



Key Largo Wastewater Treatment District
103355 Overseas Hwy, Key Largo, FL
Tuesday, November 19, 2024

MINUTES

CALL TO ORDER (A)

Secretary/Treasurer Sue Heim called the meeting to order at 4:03 p.m.

PLEDGE OF ALLEGIANCE (B)

Commissioner Philip Schwartz led the Pledge of Allegiance.

ROLL CALL (C)

Present were: Commissioners Sue Heim, Robert Majeska, and Philip Schwartz

Present Virtually (voting): Chairman Nicolas Rodriguez and Commissioner Tim Maloney

Also present: General Manager Peter Rosasco; General Counsel Nicholas Mulick; District Clerk Shannon McCully; Field Manager Rudy Perez; Plant/Facilities Manager Ryan Dempsey; Weiler Engineering Ed Castle and Steve Suggs; IT Support Manny Santana

Appeared Virtually: Project Administration and HR Coordinator Laura Weinstock; IT Consultant Randy Redmond

AGENDA ADDITIONS, CORRECTIONS, OR DELETIONS (D)

Approval of Agenda (E-1)

Mr. Rosasco requested the addition of items *G-2 ACOE Update, G-3 December 3, 2024, meeting update, and M-2 KLWTD Vacuum Station Odor Control Project*
Commissioner Heim requested the addition of item *P-1 Brief Update on WQPP Meeting on 11/12*

Motion: Commissioner Majeska made a motion to approve the agenda as amended. Commissioner Schwartz seconded the motion. Motion passed without objection.

PUBLIC COMMENT (E)

No speakers.

APPROVAL OF MINUTES (F)

Minutes of November 5, 2024 (G-1)

Motion: Commissioner Majeska made a motion to approve the minutes of November 5, 2024. Commissioner Schwartz seconded the motion. Motion passed without objection.

GENERAL MANAGER (G)

Amendment Request for Raftelis Rate Study (G-1)

Mr. Rosasco requested approval of Raftelis Rate Study Amended Cost Estimate.

**Motion: Commissioner Majeska made a motion to approve the request for \$12,000.
Commissioner Maloney seconded the motion.**

Vote on Motion:

**Commissioner Majeska – Aye
Commissioner Maloney – Aye
Commissioner Schwartz – Aye
Commissioner Heim – Aye
Chairman Rodriguez – Aye**

ACOE Update (G-2) (Laydown)

Mr. Rosasco discussed the Army Corp of Engineering presentation in Marathon on November 14, 2024.

December 3, 2024, Board Meeting Update (G-3)

Mr. Rosasco discussed cancelling the December 3, 2024, Board Meeting and scheduling KLWTD's Rules and Regulations workshop for December 10, 2024, at 3:00 PM.

**Motion: Commissioner Maloney made a motion to approve the request.
Commissioner Majeska seconded the motion.**

Vote on Motion:

**Commissioner Maloney – Aye
Commissioner Majeska – Aye
Commissioner Schwartz – Aye
Commissioner Heim – Aye
Chairman Rodriguez – Aye**

CUSTOMER SERVICE (H)

Customer Service Report – October 2024 (H-1)

Ms. Fazio presented the Customer Service monthly report.

IT (I)

IT Report – October 2024 (I-1)

Mr. Santana presented the IT monthly report.

BUDGET AND FINANCE (J)

Budget and Finance Report – October 2024 (J-1)

Ms. Fazio presented the Budget and Finance monthly report.

FIELD (K)

Field Report – October 2024 (K-1)

Mr. Perez presented the Field monthly report

Vacuum Pump Re-Build (K-2)

Mr. Perez requested approval of KB Vacuum Pump Solutions, LLC proposal.

Motion: Commissioner Maloney made a motion to approve the request.

Commissioner Majeska seconded the motion.

Vote on Motion:

**Commissioner Maloney – Aye
Commissioner Majeska – Aye
Commissioner Schwartz – Aye
Commissioner Heim – Aye
Chairman Rodriguez – Aye**

PLANT/FACILITIES (L)

No report in agenda.

CAPITAL PROJECTS (M)

Capital Projects Report – October 2024 (M-1)

Mr. Suggs presented the Capital Projects monthly report.

KLWTD Vacuum Station Odor Control Project (M-2) (Laydown)

Mr. Suggs requested approval to publish solicitation for KLWTD Vacuum Station Odor Control Project.

**Motion: Commissioner Majeska made a motion to approve the request.
Commissioner Schwartz seconded the motion.**

Vote on Motion:

**Commissioner Majeska – Aye
Commissioner Schwartz – Aye
Commissioner Maloney – Aye
Commissioner Heim – Aye**

ENGINEERING (N)

Amendment of WEC Capital Projects Work Authorizations WA 24-01 (N-1)

Mr. Castle requested approval of Amendment to Weiler Work Authorization 24-01.

**Motion: Commissioner Schwartz made a motion to approve the request.
Commissioner Maloney seconded the motion.**

Vote on Motion:

**Commissioner Schwartz – Aye
Commissioner Maloney – Aye
Commissioner Majeska – Aye
Commissioner Heim – Aye**

Amendment of WEC Capital Projects Work Authorization 24-02 (N-2)

Mr. Castle requested approval of Amendment to Weiler Work Authorization 24-02.

**Motion: Commissioner Maloney made a motion to approve the request.
Commissioner Schwartz seconded the motion.**

Vote on Motion:

Commissioner Maloney – Aye
Commissioner Schwartz – Aye
Commissioner Majeska – Aye
Commissioner Heim – Aye

LEGAL REPORT (O)

Resolution 23-2024 11395 Property LLC - 301 Buttonwood Cir, AK No. 1621307 (O-1)
Mr. Mulick requested adoption of Resolution 23-2024.

Motion: Commissioner Majeska made a motion to adopt Resolution 23-2024.
Commissioner Schwartz seconded the motion.

Vote on Motion:

Commissioner Majeska – Aye
Commissioner Schwartz – Aye
Commissioner Heim – Aye
Chairman Maloney – Aye

COMMISSIONER ITEMS (P)

Brief Update on WQPP Meeting on 11/12 (P-1)
Commissioner Heim reported on the WQPP Steering Committee Meeting on November 12, 2024.

ROUNDTABLE DISCUSSION (Q)


No report in agenda.

ADJOURNMENT (R)

The meeting was adjourned at 6:25 p.m.



Nicolas Redriquez, Chairman



Shannon McCully, Clerk



FLORIDA KEYS WATER QUALITY IMPROVEMENT

U.S. ARMY CORPS OF ENGINEERS, JACKSONVILLE DISTRICT (SAJ)

Laydown November 19, 2024
Agenda Item G-2

USACE and Florida Keys National
Marine Sanctuary Meeting

14 November 2024

City of Marathon Council Chamber
Room 9805

Web Meeting (if necessary):
<https://usace1.webex.com/meet/richard.c.butler>
+1-844-800-2712 US Toll Free
+1-669-234-1177 US Toll
Access code: 1999 21 7965

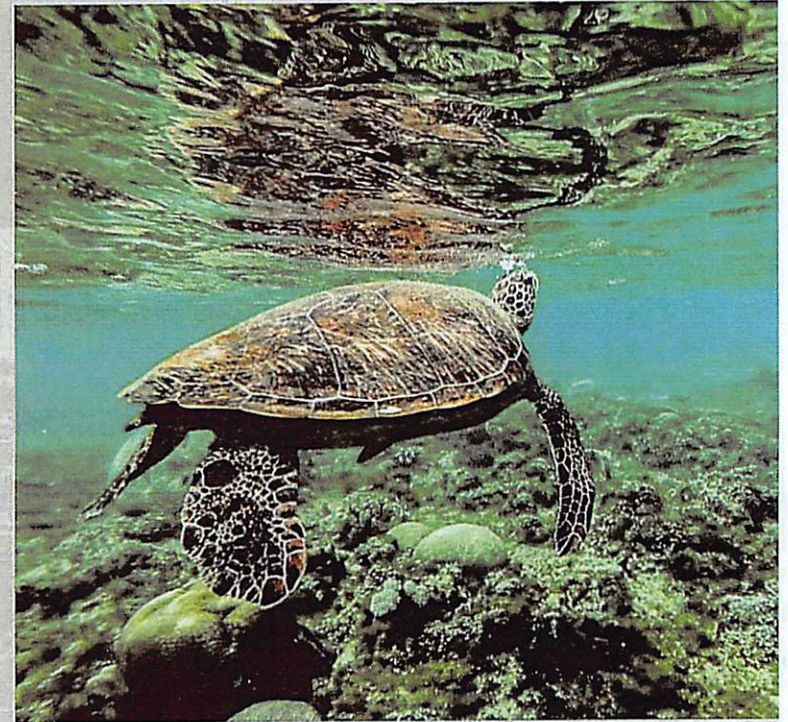


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INTRODUCTIONS

Laydown November 19, 2024
Agenda Item G-2

- What's your name and position?
- What is your involvement on the FKWQIP (EI Section 109)?



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PROGRAMS AND PROJECT DELIVERY SUPPORT

Laydown November 19, 2024
Agenda Item G-2



Chief,
Programs and
Project Delivery
Support Branch

Brenda Calvente



Chief,
Small Program
Execution Section

Hector Cruz



Program Manager

Richard Butler



Project Manager

Dimael Lopez



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TEAM BUILDING EXERCISE



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AGENDA

Laydown November 19, 2024
Agenda Item G-2

- Program Purpose
- Project Goals & Objectives
- Authorization, Funding, Responsibilities
- Current Program Status
- Future Efforts
- Action Plan/Next Steps
- Questions?



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LOCATION

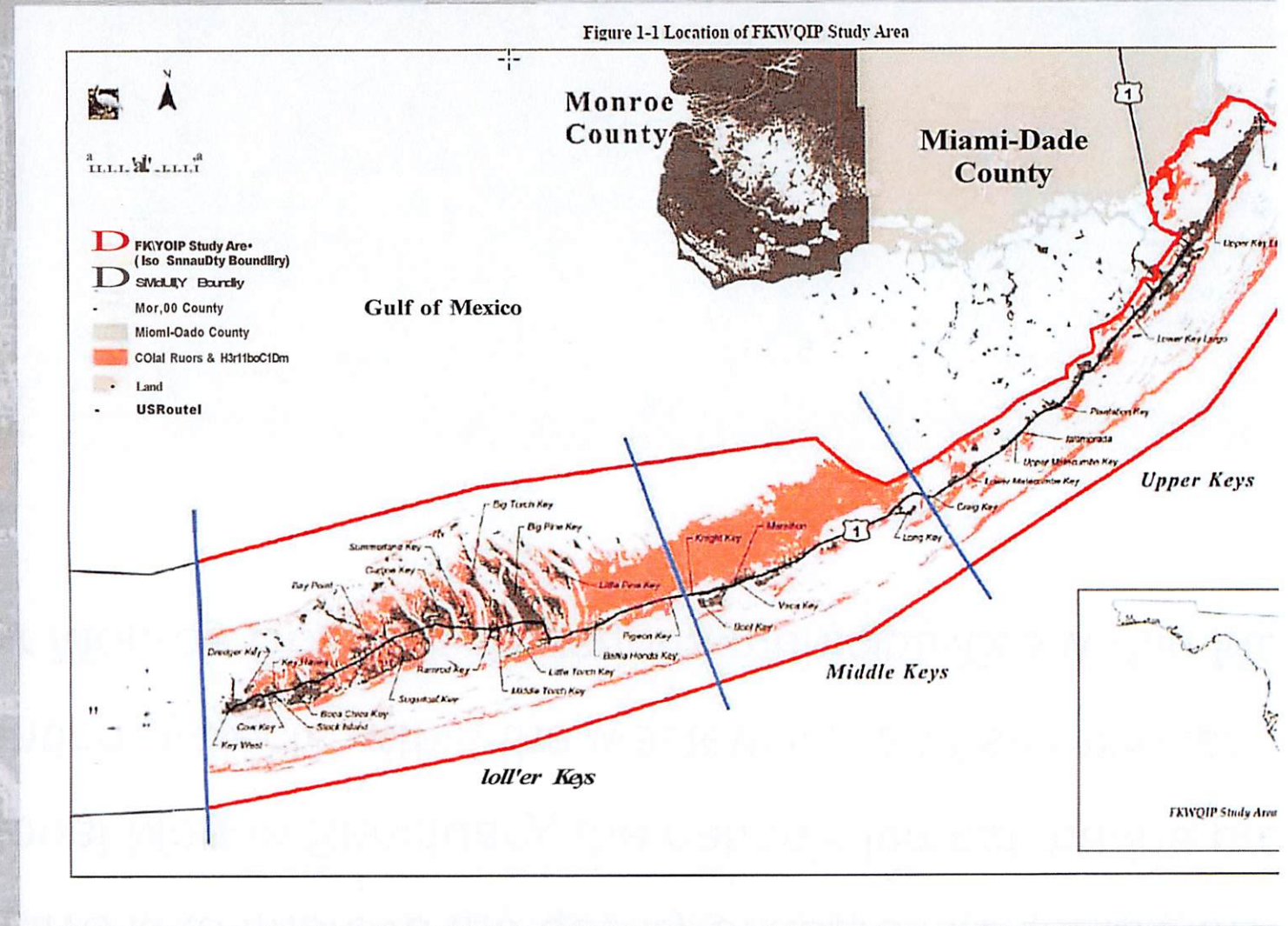
The program consists of environmental infrastructure projects within Monroe County to improve the water quality of the Florida Keys National Marine Sanctuary – the world's largest marine protected area. The Sanctuary includes 2,800 square nautical miles of nearshore waters extending from south of Miami, Florida to the Dry Tortugas. Within the Florida Keys the spectacular, unique, and nationally significant marine environments, including seagrass meadows, mangrove islands, and extensive living coral reefs



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LOCATION

Laydown November 19, 2024
 Agenda Item G-2



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PROGRAM PURPOSE

The primary objective is to improve the quality of nearshore waters within Florida Keys National Marine Sanctuary, the nation's largest marine protected area, by implementing projects within the wastewater and stormwater management plans prepared for Monroe County and various municipalities within Monroe County.



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PROGRAM OBJECTIVE

- To provide an equitable, ecologically sound, and economical implementation strategy for managing wastewater and stormwater to improve water quality in the Sanctuary.



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PROGRAM GOAL

- To provide responsive, flexible, and cost-effective solutions that improve wastewater and stormwater management practices throughout the K and satisfy the existing and future needs of the community.
- To address affordability issues and satisfy all applicable environmental regulatory criteria.



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AUTHORIZATION: PUBLIC LAW 106-554, SECTION

As amended by Section 8376 of the WRDA of 2022 (Public Law 117-263)

The U.S. Army Corps of Engineers (USACE) has been authorized to provide technical and financial assistance to carry out projects for the planning, design, and construction of treatment projects to improve water quality in the Florida Keys National Marine Sanctuary. The Corps has been authorized to expend up to **\$200 million** for this effort.



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AUTHORIZATION (CNTD.)

Water Resources Development Act (WRDA) 2022

- The Congress authorized up to **\$200 million** (representing 65% of 1 costs).
- The Non-Federal interests will be responsible for 35% of the total p1 cost. Approximately **\$107.7 million**.



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RESPONSIBILITIES – USACE

USACE will provide financial and technical assistance.

- Federal financial assistance will be in the form of reimbursement, to Non-Federal sponsor.
- Provide oversight activities, completion of necessary environmental documentation, coordination, and execution of agreements.



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RESPONSIBILITIES - NON-FEDERAL SPONSOR

- Responsible for the planning, design, and construction work of the Sector projects.
- Responsible for all Lands, Easements, Rights of Way, Relocations and Disposal Facilities (LERRD).
- Responsible for obtaining all necessary permits.
- 100% of the Operation, Maintenance, Repair, Replacement and Rehabilitation (OMRR&R)
- Must complete a financial plan identifying sources of non-Federal funding



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REQUIREMENTS – NON-FEDERAL SPC

Comply with the following:

- Applicable growth management ordinances of Monroe County, Florida;
- Applicable agreements between Monroe County, Florida, and the State of Florida to manage growth in Monroe County, Florida; and
- Applicable water quality standards; and
- Ensure the project is consistent with the master wastewater and solid waste management plans for Monroe County, Florida.



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USE OF FUNDS

- Funding for USAGE program management activities will be within available Federal appropriations for the Section 109 program and , allocated to specific projects and shared in accordance with the tel the agreement for such project.
- The Government will process reimbursement payments based on i submitted by the Non-Federal sponsor in accordance with the proV of the Section 109 agreement.



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CURRENT PROGRAM STATUS

- Currently, \$86M from the initial \$1 QOM authorization has been reimbursed back to the municipalities.
- By FY26, 100% of the remaining \$1 QOM balance is projected to be reimbursed.

Municipality	Total Allocation	Reimbursement
Key Colony Beach	\$ 200,000.00	(\$)
Layton	\$ 800,000.00	\$
Key West	\$ 10,320,000.00	\$
Islamorada	\$ 29,560,000.00	\$
Marathon	\$ 29,560,000.00	\$
Key Largo	\$ 29,560,000.00	\$
	\$ 100,000,000.00	\$



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ADDITIONAL POTENTIAL EFFECTS

- **Water Resources Development Act (WRDA) 2022:**

(2) FLORIDA KEYS WATER QUALITY IMPROVEMENTS, FLORIDA.-Section 109(division B of the Miscellaneous Appropriations Act, 2001 (Public Law 106-554, appendix Stat. 2763A-222 (as enacted by section 1(a)(4) of the Consolidated Appropriations Act, 2002 (Public Law 107-171, Stat. 2763)); 121 Stat.1217) is amended by striking "\$100,000,000" and inserting "\$

County

Municipalities

- **Monroe County**

- **Key Colony Beach**

- **Islamorai**

- **Key Largo**

- **Marathon**

- **Key West**

- **Layton**



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NEPA REQUIREMENTS

- NEPA documentation was prepared for each priority FKWQIP project scheduled to receive federal funding.
- To date, EAs have been prepared for projects associated with six municipalities under the scope of work of the initial \$1 QOM fund authorization.
- Updated NEPA documentation could potentially be required under a future fund authorization for the six municipalities and Monroe County.



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MONROE COUNTY POTENTIAL EFFORTS

Stormwater / Road Raising / Resiliency

- Twin Lakes Road Elevation
- 52A Big Coppitt Road Elevation
- 10 Winston Waterways Road Elevation
- 59B Flagler Avenue Road Resilience
- 4 Stillwright Point Road Elevation
- 26 Conch Key Road Elevation
- Sands Subdivision Road Elevation
- 11 Key Largo Trailer Village
- 37 Little Torch Key Jolly Rogers Est
- 59A Eaton Street
- 15 Buccaneer Point/Pirates Cove KL
- 36A Little Torch Coral Shores Est.
- 8 Cross Keys Waterways Est. KL
- 6 Key Largo Mobile Homesites KL
- 39 Ramrod - Breezeswept Beach
- 18 Sunrise Pt Raes Cuda Canal KL
- 58 Stock Island
- 45A Cutthroat Harbors Cudjoe Oc
- 12 Sunset Waterways Key Largo F
- 9 Largo Sound Park Anglers Park I
- 35 Sands/Big Pine Cove/Virgil Lo\



MONROE COUNTY POTENTIAL EFFORTS

Canal Restoration

- 78 ROCK HARBOR
- 355 CUDJOE KEY
- 411 SUGARLOAF KEY
- 318 SUGARLOAF KEY
- 33 KEY LARGO
- 282 BIG PINE KEY
- 388 SUGARLOAF KEY
- 27 KEY LARGO
- 433 SADDLEBUNCH KEYS (MERGE)
- 50 KEY LARGO
- 44 KEY LARGO
- 31 KEY LARGO
- 384 SUGARLOAF KEY
- 164 CONCH KEY ADDED
- 70 ROCK HARBOR



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MARATHON POTENTIAL EFFORTS

Laydown November 19, 2024
Agenda Item G-2

Canal & Culvert Restoration

- Canal#248/#250
 - Canal #245 /#246
 - Canal #186/#191 (South Finger)
 - New Service Connections & Grinder Stations for new connections
 - CDBG Grant Projects
 - Deep Well Disposal RFQ/Engineering/Permitting
 - Deep Well Disposal Construction
 - Deep Well Disposal Pumping Systems including Engineering
 - Buffer tank/Vacuum Tank reha
 - SCADA Monitoring System Imp
 - Gate Valve Replacements
 - Service Area 3 Plant Upgrades1
 - Service Area 7 Disk Filter Instal
 - Service Area 5 MBR Upgrades
 - Service Area 6 Disk Filter Instal
- Service Area 6 Parts of Sludge Cen Office



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ISLAMORADA POTENTIAL EFFORTS

Stormwater & Wastewater

- NPK Booster Station Upgrade
- NPK Vacuum Pump Station Upgrades
- CFM Replacement MM91-93.5
- Venetian Shores Stormwater Improvements (Phase 2-8)
- 88.5 Old Highway Stormwater Improvements
- LMK Bayside Stormwater Improvements
- Buttonwood Lane Stormwater Improvements
- Mohawk Street Stormwater Improvements
- Harbor Drive Stormwater Impr
- Ocean Drive Stormwater Imprc
- Kahiki Drive & Harbor Lane Sta Improvements
- Redwing Road Stormwater Improvements
- Mockingbird Road Stormwater Improvements
- Sunshine Boulevard Stormwat« Improvements
- Royal Poinciana Boulevard Sto1 Improvements



ISLAMORADA POTENTIAL EFFORTS

Stormwater & Wastewater

- South Coconut Palm Boulevard Stormwater Improvements
- Woods Avenue Stormwater Improvements
- Apache Street Stormwater Improvements
- 83.3 Old Highway Stormwater Improvements
- Dogwood Lane Stormwater Improvements
- 82.0 Old Highway Stormwater Improvements
- Columbus Drive Stormwater Improvements
- Buena Vista Court Stormwater Improvements
- El Capitan Drive Stormwater Improvements
- Tollgate Lane Stormwater Impr
- Iroquois Drive Stormwater Improvements



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ISLAMORADA POTENTIAL EFFORTS

Canal Restoration

- 145 LOWER MATECUMBE KEY
- 148 LOWER MATECUMBE KEY
- 157 LOWER MATECUMBE KEY
- 137 PLANTATION KEY
- 132 PLANTATION KEY
- 114 PLANTATION KEY
- 115 PLANTATION KEY
- 152 LOWER MATECUMBE KEY
- 150 LOWER MATECUMBE KEY
- 109 PLANTATION KEY
- 139 WINDLEY KEY ADDED 2
- 117 PLANTATION KEY
- 155 LOWER MATECUMBE KEY
- 153 LOWER MATECUMBE KEY
- 120 PLANTATION KEY
- 146 LOWER MATECUMBE KEY
- 141 UPPER MATECUMBE KEY
- 149 LOWER MATECUMBE KEY
- 123 PLANTATION KEY
- 123 PLANTATION KEY ADDED



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KEY WEST POTENTIAL EFFORTS

Laydown November 19, 2024
Agenda Item G-2

Stormwater & Sewer

- Duval Street Stormwater
- 701 Palm Ave Boatyard Seawall
- Jose Marti - Construction
- Eaton Street Trench remediation
- Smathers Beach overflow parking
- I&I Study
- I&I Construction
- Forcemain
- Pump Station R Upgrades
- Pump Station A Upgrades
- Solids Dewatering
- Tide Valves
- Harris & Tenth
- Fogarty & 3rd
- Dennis Street Phase 2
- Anglea Simonton Drainage Modification
- canal System Cleaning
- White street SW Station Upgrade
- Olivia Drainage Modification
- Baffle Boxes Second Generation (Phase
- 1A: Patterson Ave, 5th to 7th
- 2A/B/C: Tropical Street to George Neigh
- 3A: West Riviera Drive Improvements
- 4A/B: Eagle at 29th and 18th Terr at Dor
- 4C: Glynn Archer Jr Drive, GA St to Duck
- 40: Northside Drive to Duck Ave, 15th T
- SA: Frances to white, Eaton to Fleming



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RESTRICTIONS

- Grants - Does not apply to the Keys legislation
- No reimbursement funding for any construction work done prior to executed agreement.
- Design costs prior to an executed agreement can be reimbursed
- Comprehensive Environmental Response, Compensation, and Lia Act (CERCLA) not eligible for Federal Assistance



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DETERMINING EFFORTS FOR THE ADD

- **Moving Forward Together**
 - Collaborative effort required to streamline funding distribution.
 - Early prioritization helps ensure timely review and processing.
- **Overall Package Preparation**
 - County and each city must prepare and submit an overall package for eligibility.
 - Clearly outline proposed projects, including priorities within each package.
- **Local Prioritization and Funding Distribution after validating eligibility**
 - Determine internally which projects will receive funding priority.
 - Finalize funding distribution decisions at the local level before submission.
- **Submission Requirements**
 - Project name, description, location, purpose align with the authority, need, background, cost schedule, funding source, community impact, etc.



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ACTION PLAN

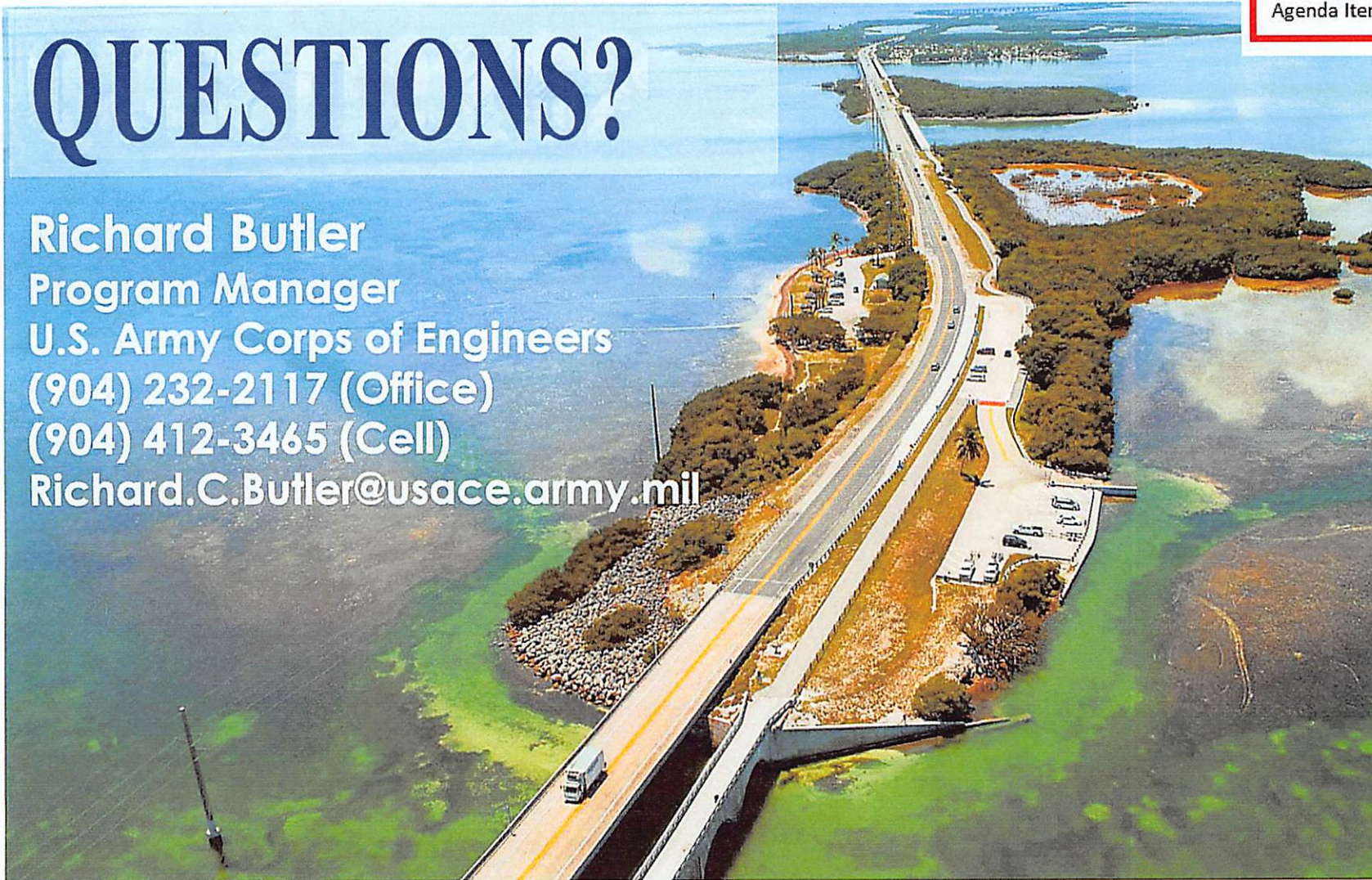
- Updating the Master Plan and PMP based on available informatio
- Coordination Meetings
- Overall Package Template needed?



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QUESTIONS?

Richard Butler
Program Manager
U.S. Army Corps of Engineers
(904) 232-2117 (Office)
(904) 412-3465 (Cell)
Richard.C.Butler@usace.army.mil



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KLWTD Project Description	Total Capital Cost	USACE Funded to Date	Florida State Funding Commitment	Additional Funds Needed
Collection System Monitoring	\$10,369,392	\$5,225,475	\$4,321,992	\$821,925
WWTP Electrical Upgrades including Power Conditioning and Lightning Protection	\$4,390,416	\$0.00	\$4,085,416	\$305,000
Odor Control Upgrades at All Vac Stations	\$2,143,000	\$0.00	\$0.00	\$2,143,000
Headworks and Influent EQ Tank	\$4,704,000	\$0.00	\$3,372,133	\$1,331,867
Ventilation Upgrades Vac Stations A, D, G, I and J/K	\$362,914	\$0.00	\$0.00	\$362,914
Vac Stations Electrical Upgrades Including Power Conditioning and Lightning Protection	\$2,300,000	\$0.00	\$0.00	\$2,300,000
Collection System Elevation Adjustments for Monroe County's Sea Level Rise Projects, First Phase 2025	\$10,381,864	\$0.00	\$0.00	\$10,381,864
Vacuum Station Sewage Tanks Upgrades	\$8,272,150	\$0.00	\$0.00	\$8,272,150
Pharmaceuticals Treatment and Potable Reuse Demonstration Project	\$2,652,845	\$0.00	\$0.00	\$2,652,845
Sludge Conditioning Upgrades (membrane thickening)	\$2,117,500	\$0.00	\$0.00	\$2,117,500
Reclaimed Water to Jonn Pennekamp State Park	\$4,494,600	\$0.00	\$0.00	\$4,494,600
Collection System Elevation Adjustments for Monroe County's Sea Level Rise Projects, Second Phase 2030	\$3,167,348	\$0.00	\$0.00	\$3,167,348
Collection System Elevation Adjustments for Monroe County's Sea Level Rise Projects, Third Phase 2035	\$865,155	\$0.00	\$0.00	\$865,155
Collection System Elevation Adjustments for Monroe County's Sea Level Rise Projects, Fourth Phase beyond 2035	\$1,085,110	\$0.00	\$0.00	\$1,085,110
Enhanced Security at WWTP	\$1,595,000	\$0.00	\$0.00	\$1,595,000
			Total	\$41,896,278

Updated 11/12/24

Key Largo Wastewater Treatment District Board of Commissioners Meeting Agenda Item Summary

Meeting Date:
November 19, 2024

Agenda Item Number: M-2

Action Required:
Yes

Department:
Capital Projects

Sponsor:
Steve Suggs

Subject:
KLWTD Vacuum Station Odor Control Project

Summary:

WEC is requesting approval to publish the bid solicitation for KLWTD Vacuum Station Odor control project. The scope of work includes providing and installing an improved odor control system at each vacuum station, while eliminating the safety hazard of the confined spaces at Vac A and Vac D.

<u>Reviewed / Approved</u>	<u>Financial Impact</u>	<u>Attachments</u>
Operations: _____	\$ 3,759,280.00	1. WEC Memo
Administration: _____	Expense	
Finance: _____	Funding Source:	
District Counsel: _____	Grant(s)	
District Clerk: _____	Budgeted:	
Engineering: _____	Partially	

Approved By: _____ Date: _____
General Manager



"Excellence in Engineering"

6805 Overseas Highway
Marathon, Florida 33050
(305) 289-4161 ph
(305) 289-4162 fax

MEMO

To: KLWTD Commissioners
From: Steve Suggs, PE – Weiler Engineering
Date: November 19th, 2024
Re: KLWTD Vacuum Station Odor Control Project

Project Overview:

Vacuum Station A, the existing odor control system and generator will be demolished, followed by the installation of a proposed new odor control system and generator, along with the construction of walls to enclose the new systems. This work will require extending the property line to accommodate the improvements. At Vacuum Station D, the existing generator and odor control system will be demolished, and a new concrete slab will be installed to support the proposed new generator and odor control system, which will not be enclosed. Additionally, the project includes an add alternative to extend similar upgrades to four more vacuum stations: E, G, I, and J/K, further enhancing the overall odor control infrastructure.

Project Benefits:

The proposed Vacuum Station Odor Control project offers significant benefits in enhancing operational efficiency and community satisfaction. By implementing a dual carbon filter system, the project extends the lifespan of odor control systems, reducing the frequency of filter media replacement and associated maintenance costs. This innovative design enhances cost-effectiveness and operational reliability. Additionally, the project enables earlier detection of odor control issues, ensuring timely interventions to maintain air quality standards. This proactive approach minimizes potential disruptions and reinforces the vacuum station's commitment to environmental stewardship and community well-being.

Estimated Cost and Funding:

The estimated cost of the project is \$2,339,280.00 base bid and \$3,939,280.00 with the inclusion of add alternates. This project has the potential to be grant-funded. Currently budgeted is \$987,500.00 for FY25.

KLWTD Vac Station Odor Control Cost Estimate				
Description	Units	Qty	Unit Cost	Total Cost
Mobilization	LS	1	\$108,300.00	\$108,300.00
Bonds & Insurance	LS	1	\$64,980.00	\$64,980.00
Vac Station A				

Install CMU Wall	EA	1	\$250,000.00	\$250,000.00
Install Louvered Gates	EA	2	\$18,000.00	\$36,000.00
HICARB-100 Dual System	EA	1	\$300,000.00	\$300,000.00
Generator	EA	1	\$500,000.00	\$500,000.00
Subtotal Vac A				\$1,086,000.00
Vac Station D				
HICARB-100 Dual System	EA	1	\$400,000.00	\$400,000.00
Generator	EA	1	\$500,000.00	\$500,000.00
Subtotal Vac D				\$900,000.00
Subtotal Base Bid (Vac A & D)				\$2,159,280.00
Remaining Vac Stations				
HICARB-100 Dual System	EA	4	\$400,000.00	\$1,600,000.00
Subtotal Remaining Vac Stations				\$1,600,000.00
Total Estimate				\$3,759,280.00

Request for Approval:

We seek the Board's approval to proceed with this project and issue a bid solicitation.