

# Sustainability Report

## April 2023

### Strategic Plan

#### **PRIORITY 2: ADAPTATION/SEA LEVEL RISE**

#### **GOAL 1: Build Municipal Capacity and Establish Long-Range Plans**

##### **1. Build an Adaptation Team:**

- ✓ **FY22:** A&E position created and filled.
- a. **FY23;** In order of importance:
  - i. Hiring of new A&E
  - ii. HARC Building Inspector moved back to Planning to help with LDR compliance.
    - 1. Started list of LDRs for oversight
  - iii. City Engineer & Engineering Director with Adaptation Experience in Engineering.
    - ✓ Job Description of Sustainability Coordinator
    - ✓ Hired experienced Floodplain Manager in Building
    - ✓ Grant reporting/tracking help for all departments
    - ✓ Oversight of Energy & Adaptation Coordinator
- b. **FY24:**
  - i. Utilities: Sea Level Rise Manager
  - ii. Ports Adaptation and Water Quality

##### **3. Increase Communication/Transparency:**

- Websites this year: Adaptation (Oct) and Energy (TBA)
- ✓ Presentations this Quarter: CC 1/18: Solar United
- ✓ Publications this Quarter: Solar United Flyer

#### **GOAL 2: Short-Term Critical Projects and Plans**

##### **1. Short Term List of Critical Infrastructure Projects:**

- **New List:** Updated 10/3/22 = Top FY23 Adaptation Projects
  - ✓ New Asset Mgmt Software Chosen.
    - i. Projects postponed til FY24 due to capacity: Glass Reuse and Water Reuse Feasibility;
    - ii. Projects postponed til FY25 due to capacity: Stormwater Master Plan Phase 3 - Green Infrastructure;
- **Current Projects:** See Grants List below.

##### **2. Protect Water Supply:**

- **Water Supply Plan/Timeline:** Passed first reading on 10/6 and 2<sup>nd</sup> reading on 4/4.
  - i. Must apply to Florida Building Code next.
- **Technical Memo.** Key elements include:
  - i. 2 Day a Week Irrigation Schedules
  - ii. Mandatory Efficiency Fixtures (showerheads, faucets, dishwashers, washers, etc).
- **Turkey Point Updates:**
  - i. FKAA lost their challenge to the Turkey Point expansion permit.
  - ii. FPL had their permit to expand the life of 2 reactors withdrawn while they update their Environmental Study.
- **Increase Cisterns:** Got stormwater solutions on Strategic Plan!
  - i. Permission to add to CPTA grant, due May.
- **Water ReUse Plan:** FY24
  - i. Applying for Reuse Feasibility Study Grant in August 2023

- ii. Creating Potable Water from Wastewater is now considered fundable as an Alternative Water Supply Project, per State Bill: [FL Senate Bill 64](#). Next grant NOFA 12/23
- iii. Secured Water Reuse as priority project under EPA regional grant via WQPP team.
- iv. David Hackworth, FCAA Director of Capital Projects is interested in this project.

**3. Non-Infrastructure Measures:** Still in Information Gathering Phase. Begin Fall 2023.

**4. ~~Grade elevation~~ / Home Elevation Project / Residential Adaptation:**

(Also serves Aff. Housing Goal 3: Preserve Existing)

- [Residential Adaptation Resources](#) list added to City Adaptation Page.
- [FMA Grants](#): Closed til next Nov. 2-3x more applications than last year. (30 elev/10 reconst)
- Planning working on Model Elevation Language
- Miami Beach's [Private Property Adaptation Program](#) funds up to \$20K per home.
- Nine Keys homes are in RFI stage for Tier 3 Disaster funds.
- See ACOE below.

**GOAL 3: Long Term Adaptation Plan**

**1. Vulnerability Assessment &**

**2. Long Term Adaptation Strategy and Implementation Plan:**

- LiDAR: Pilot in ISL complete. Updates on Thursdays.
  - i. KW: Control Survey: 4/7-5/19
  - ii. KW: Mobile LiDAR Collection: 5/22-6/16
- RFQ Consultant Chosen and approved at CC on 4/4. 1<sup>st</sup> Contract meeting 4/12.

**GOAL 4: Partnerships and Linkages to Other Plans**

**1. Implementation Plan for Post Disaster Recovery and Reconstruction (PDRRP):**

- Completed [PDRRP FY23 Annual Plan](#) and drafted [FY24 Annual Plan](#) (for budget planning)
- **Next steps?**

**2. Integrate SLR into long range plans:**

- Each Chapter of Adaptation Plan will integrate its recommendations into any necessary Plans.

**3. Monroe County [ACOE Coastal Storm Mitigation Project](#): [Summary Document Link Here.](#) Study Signed and Passed by Congress allocating \$1.5B on 12/24/22. Non Federal Share is 35%, which can be state, local govt, County, grants, individuals. First \$ needed: FY23 for Design for Critical Infrastructure Floodproofing, then Construction Funds and everything else FY24 forward. Map of all residences and commercial buildings identified by report is published on [ACOE Report website](#).**

- Critical Facilities list – [received from County](#) & shared with LMS.
  - i. 3 Buildings belong to City:
- Non-Structural list – [downloaded map](#) and [implementation schedule](#).
  - i. 30 Floodproofing Buildings belong to City. Briefed Greg M. Asking for map.

**4. Monroe County GreenKeys!**

- Roads Vulnerability Updates happened 2/17 & [2/23 and recently on 6/15](#). [New map website](#) shows three Key West projects with Conceptual Plans: #59-A: [Eaton & Palm](#) and #59-B: [Flagler](#), both of which are in the County's 2025 plan. And #60 [Atlantic Blvd](#) which ranked lower and will be considered after the 2025 plan. Monroe County applied for grant funding for Flagler under FL Coastal Resiliency (July) & BRIC (Nov). [Policy Presentation given to BOCC \(2/15, 11:30-Noon\)](#)
- i. Florida Resiliency Funding was awarded in Monroe for the following:

1. Monroe	Road Project 52-A #3	\$8.2M	FY24
2. Monroe	Road Project 10 #1,	\$5.1M	FY24

3.	FKAA	Marathon Potable Pump Station	\$3M	FY24
4.	Monroe	Living Shoreline, Long Key	\$900K	FY23
5.	Monroe	Living Shoreline, Duck Key	\$3.3M	FY23
6.	Monroe	Road Project 26, #2	\$3.5M	FY23

- ii. Monroe did not get funding for Flagler. It's time to push Eaton/Palm again.
- Harry Harris Park will get a resiliency redesign.
- County will seek a financial / policy advisor to look at future revenue possibilities for adaptation/etc.
- Monroe [hosted workshop to update Floodplain ordinances](#) on 4/6.
- FDEP Resiliency: Stillwright Point (\$1.2M)
- FDEP Resiliency: Conch Key
- FDEO CPTA: Resilience & Adaptation Plan for Pigeon Key (\$50K)
- FDEP: Natural Resources Adaptation Plan (\$150K) - WSP
- FDEO/HUD: Tavernier Fire Station Hardening (\$818K)
- FDEO:HUD-MIT: Rock Harbor Breakwater Repair (\$1.35M)
- FDEO/HUD-GI: Tavernier Breakwater Repair (\$2.2M)
- Updating First Street ICPR4 model Stormwater Data
- Contracts:
  - i. GSA Canal Restoration: Tetra Tech
  - ii. GSA Resilience/Environmental Engineering: Wood/WSP

## 5. Key West Representation on Local and Regional Boards:

- Local Mitigation Strategy (LMS) Team:
  - i. FEMA released an updated [Local Mitigation Planning Policy Guide, trainings are upcoming.](#)
  - ii. Created a training sub-team that will recommend keywise cross discipline training.
- SE FL Regional Climate Compact:
  - i. The Compact was awarded \$225K for “Aiding Local Governments with Regionally Relevant Flood Thresholds and Predictions for Vulnerability Assessments”
  - ii. Compact Summit in Ft Lauderdale, Dec 8-9. [Videos now available.](#)
  - iii. Compact applying for [EPA Climate Pollution Reduction grant.](#)
- Regional Adaptation Coordination Team:
  - i. County did not get FDEP Resilience Planning monies for Roads Vulnerability for region.
  - ii. Currently working on Regional EV grant, due May 31.
- ICLEI: Will help us with Energy Plan and Green Infrastructure
- Sustainability Directors Network: Bi-Monthly Statewide Call.
- South FL Regional Planning Council:
  - i. See 6. Military Plans.
- FKAA: Board turned down funding of FKAA Vulnerability Assessment on 5/24/22.
- Private Sector: See PPP Grants.
- University Cooperation/UF FIBER Partnership: No Updates.

## 6. Military Plans (Navy, Coast Guard and JIATF):

- Met with NASKW Liaison at Adapt Mtg 2/9 – Talked of Military Grant opportunities and types of grants they prefer: Infrastructure, Redundancy, Community, Environment. Creating a grant table.
- FDEO Defense Funding: BV Resilience Hub
- DCIP funding: 2 Plans NAS-KW had liked were the BV Resilience Hub and Palm Ave Stormwater Upgrades. Follow up with new Community Liaison 5/19 preferred Palm Avenue.

- Military Installation Resilience Readiness (MIRR): Includes NAS-KW & 3 others in partnership with South Florida Regional Planning Council & Jacobs. Kicked off 5/24. Site visits Aug 22. 2 meetings Dec& Jan. Recommendation in will occur ~Aug 2023.
  - i. Kimberley and Karen W attended Site Visits and Stakeholder meetings. They plan to take lead on discussions between key partners to advance planning on WTE and potable water options.
  - ii. Alison/grantwriters will construct table to help all understand the 4 sources of military funding in order to align as many projects as able.
  - iii. Will utilize Cristina to help get Monroe to the table for Palm/Eaton.
- Awarded MIRR grant for WTE! Have a lot of paperwork to complete to secure this.
  - i. Met OLDCC Senior Project Manager re current and future projects and July Conference.
- See *Upcoming Grants*

### 7. Explore Best Practices and International Policy and Academic Forums: FY23

- Attended: Floodplain Manager Certification Dec (Alison, Zoe, Kim), Climate Summit Dec (Karen) Southeast & Caribbean Disaster Recovery Partnership 1/24-25 (Raj), FEMA Flood Insurance 1/10-11 (Alison, Bridget, Kim).
- Upcoming: Florida Association of Floodplain Managers, State Association of Floodplain Managers.

### 8. State (and Federal) Plans:

- FDEP Quarterly Mtg: March
- FDEP Annual Coastal: Not posted
- FDEM Quarterly Meeting: March 14
- FDOT received Monroe County Transportation Master Plan
- FDEO:
- FEMA Flood Maps: No updates. Maps missing.
- Biden Infrastructure Package
  - i. [Biden EV Plan](#)
- [IRA \(Inflation Reduction Act\)](#)

### GOAL 5: Regulatory Measures – Land Use, Planning and Zoning.

1. **Comprehensive Plan Updates:** Part of Adaptation Chapters.

2. **Regulatory Plans for Adaptation:** Part of Adaptation Chapters. See Home Elevations (P2.G2.4)

### Related SAB Goals

- 3) Adapt and Mitigate for Climate Change
  - a) Begin Adaptation Master Plan: Spring.

### Adaptation Planning Team:

- 1) Next meeting: Late April
- 2) Last Meeting Recap:
  - Feb 6: Grants, ACOE, Policies.
  - 11/3: PDRRP Plan, Asset Mgmt, FY23 Adaptation Projects list
  - 6/10: Pre Disaster Contracts. FY23 Budgets. 2022 SLR Tech Update. CRS Class 4 efforts.
  - 2/9 CIP Projects, PDRRP Workplan, Floodplain
  - Dec: Everything. Training, Loss of Floodplain Manager. BCEGS Recertification meeting.

## **PRIORITY 4: ENVIRONMENTAL PROTECTION**

### **GOAL 1: Energy Efficiency and Resilience**

*1/31: Keys Energy updated as to progress on all goals.*

1. **Energy Plan:** All Chapters Drafted. Marked up, needs EV and alt power blended in. Started finalizing Goals 6/1. Presents to Commission TBD
2. **Energy Use Map:** TBD
4. **Energy/Water Efficiency in City Buildings:**
  - Police Building lights have arrived, 99% installed.
  - 2023 Budget approved for 4 buildings: WWTP, ~~Fire Station #3~~, Transit & Palm Fleet.
  - 2024 Budget drafted = 11 buildings. Will need outside help. Meet w FMT before budget mtg.
5. **LED Streetlights:**
  - ✓ 100% Complete: 473 bulbs replaced, estimated annual savings of \$12K. (\$80K)
6. **Adhere to Resolution 19-328 on Solar Energy:** Solar Evaluation Form, V1 is complete and in use.
  - Budgeted for purchase of 100% Solar Energy from KES from mainland projects in Jan FY24.
7. **Waste To Energy:** Kelly Crowe. FY24. Securing Feasibility/Resiliency Study from MIRR.
8. **Vehicle Electrification Readiness:** See below:
9. **Electric Charging Stations:**
  - Attended 3 Keys Energy Board Workshops 2/9. Not promising.
  - Duke Masters Student intern created EV report late July.
  - EV Plan ready by April 23 budgeting.
  - City Hall Charger revenue and maintenance moved to Adaptation Budget.
  - See CUTR Partnerships.
  - See Regional Adaptation Partnership –Regional EV Grant

### **GOAL 2: Recycling and Composting**

*Solid Waste Coordinator hired 3/22/22, and is leaving 5/23. Need two positions.*

- ✓ **Wastewater Sludge Composting:** Workshop on 8/11. Not Feasible. Now working on WTE.
2. **Mandatory and Incentivized Recycling for Businesses:** Pilot Class April 26, May 3 and May 8.
3. **Enforce Ban on Single Use Plastics:** Reef Relief has begun Plastic
4. **Multi-Family Housing:**
5. **Requirement of Plans for Recycling in all Development and Redevelopment Initiatives:**
6. **“Love Your Island” Targeted PR Campaign for Schools/Youth:**
7. **Recycling Materials in City Infrastructure:**
  - Glassphalt and Glasscrete Workshop as LEED Forum? Kim researching glass crushers.
8. **LEED Certification:** Will come as part of 10 Year Energy Plan goals. Spring 22.
  - LEED Green Associates Training and tests for 5 staff. Class Aug/12/22 in Chambers.  
No tests have been taken as of yet.
9. **Green Procurement:** Winter 2023

Related SAB Priorities:

#### **2) Reduce Waste Stream:**

- a) Renegotiate/Bid New Solid Waste Management Contract
  - Contract approved at City Commission 11/16.
  - Mandatory Commercial Recycling of 2 items.
  - Pilot Pay as You Throw Program
  - Seek New Uses for Glass = FY23??? KF?
    - Did Not Get: ~~Glass Crusher to Appropriations Committee~~
- b) Continue to Evaluate Mt. Trashmore
  - Utilities Consultant presented WQ sampling findings at SAB 8/12.

- FDEP to presented favorable WQ findings at SAB Jan.
  - SAB considering recommending sending to planning professionals for public opinion on ultimate use. Gasification proposal given to SAB, seeking to incorporate with WTE study.
  - Expanded sampling in newly awarded EPA grant partnership with College of Florida Keys.
- c) Other
- Extension Service Sargassum compost project is complete, waiting for final composition data.
  - Extension Service to present on Marine Debris program at SAB 9/8.

### **GOAL 3: Near Shore Waters**

1. **Sediment Separators on Outfalls:** See Upcoming Grants.
2. **Education for City Tenants and Liveboard Owners:** Solid Waste Coordinator
3. **Water Quality Posting at City-Owned Beaches and on the City’s Website:** Solid Waste Coordinator
4. **Neighborhood Watch/Key West Connect:** Solid Waste Coordinator
5. **Bags and Trash Pick Up for Liveboards:** Solid Waste Coordinator
6. **Evaluate Wastewater and Sewer Systems for Repair:** Kelly Crowe
7. **Dive for Debris:** Solid Waste Coordinator

### **GOAL 4: Water Efficiency and Resilience**

1. **Support Water Supply Plan:** See P2.G2.2
2. **Update City Buildings:** Budgeted for FY23.
3. **Water Reuse Plan:** See P2.G2.2
4. **Protect Water Supply:** See P2.G2.2

### **GOAL 5: Build Municipal Capacity, Accountability and Partnerships**

1. **Increase Street Cleaning Capacity:** Solid Waste Coordinator
2. **Keep Key West Beautiful/Adopt a Spot:** Solid Waste Coordinator
3. **Increase Littering Fines:** Solid Waste Coordinator
4. **Department Checklists:** Solid Waste Coordinator
5. **Training and Resources for Landscapers, Electricians, Contractors and Plumbers:** Solid Waste Coordinator
6. **Lease Agreements:**
7. **Clean Marinas:** Establish Plan w McAlearney = FY24 WQ Position. Look for Funding.
8. **Enforcement and Accountability Partnerships:**
9. **Workshop on Green Businesses:** TBD. Private sector reusable bag idea: Will host mtg with TDC and other partners to see about Green Business Mapping project.
10. **Water Quality Protection Program:** Consult with experts to create Water Quality Plan for Key West
  - Joined Sanctuary’s WQPP Steering Committee 12/15
  - Formed Ad Hoc Key West Water Quality Recommendations Team.
    - i. Met 8 times over 1 year: Reviewed Goals, Opportunities and FDEP Sampling Report. Reviewed Mt Trashmore and discussed sampling ideas/resources. Reviewed College of the Florida Keys WQ Partnering Proposal & EPA grant proposal (see below). Reviewed WQPP Priorities, NOAA’s Marine Debris Plan, the Coral Reef Action Plan and interviewed the Counties Marine Resources staff.
    - ii. Draft FY24 budget contains \_\_\_\_\_
      - ✓ Draft KW WQ Improvement Plan will be presented on 3/9 to the Sanctuary WQPP Team.
  - Monroe updated WQPP on Canal Work and Resiliency Initiatives. 3/7/22 & 2/15/23
  - Teamed with FDEP to load decade of back data to state database from marinas and outfalls.
  - College of the Florida Keys Partnership
    - i. \$180K added to Adaptation budget for Water Quality to assist CoFK project.
      1. ILA scheduled for 4/18

- ii. Partnered and won FY23 Grant application:
  1. Continue monitoring of KW Harbor and shipping channel
  2. Add hydrogen sulfide monitoring equipment
  3. Focus on chemicals of emerging concern
  4. Develop a WQ monitoring certificate for BSc degree
  5. Complete WQ Monitoring and Improvement Plan
  6. Expand monitoring to high priority areas
- See Upcoming Grants

### Non-Strategic Plan, Water Quality:

- Pursuing Fertilizer ordinance: Sponsors Johnston and Weekley. SAB 1/13. Tree Commission TBA. Planning Board TBA. City Commission TBA. Dropped for now.
- Research FDEP Brownfields opportunities. Met 7/13. Dropped for now.
- **Florida Keys National Marine Sanctuary:** Many funding opportunities in the Environmental Protection realm. Revised Blueprint presented to SAC 7/12. SAB submitted recommendations.
- **Sunscreen:** Samples were taken over the summer of 2021 in local waters. Oxybenzone added to CFK sampling for Phase 2 EPA grant.
- **Shallow Wells:** City of Marathon has settled a lawsuit from FOLKS about discharges from their shallow injection well. We will follow this closely. Presentation at WQPP TBA.

### **Related SAB Goals**

#### 3) Adapt and Mitigate for Climate Change

##### b) Address Stormwater

- Increase Cistern Use: City Hall Cistern upgrade complete – Toilets running off cistern water! Police Station workplan and BV Resilience Hub included cisterns.
- Increase Pervious Areas: Recent uproar over # of impermeability/footprint variances sought. Mayor asked if we could put a moratorium until we found answer. Planning reviewed tracking system on 9/16. Answer was SWMP, Phase 3, but that might get bumped to FY25.
  - Discovered local lead on pervious concrete. Will arrange meet up with PE.
  - Permission to apply for under CPTA, due TBA.
- Revise Stormwater Ordinances: Stormwater Master Plan, Phase 3, FY25

##### c) Increase Environmental Protection

- 10 Year Energy Plan (A&E completed draft)
- Inventory Fossil Fuel Use (Annual report, due April)
- Increase Tree Plantings (In Transportation Goals, added to Crosstown Greenway)
- Reduce/Eliminate 2 stroke engine use (no headway)
- Outreach program on sustainable yard maintenance (Workshop held Aug)
- Remove iguanas by all means possible (no headway) – Have contract.

### **Non-Strategic, Environmental**

- **Florida Keys Green Business Certification:** Somewhat included in Strategic Plan. Working into Energy Plan. Map with TDC being pursued again.
- **GM Mosquitos:** [Pilot D](#) started beginning of July, examining single-point releases of Oxitec male mosquitos in the middle keys. Pilot B was in May in same area. [keysmosquitoproject.com/resources](https://keysmosquitoproject.com/resources).
- **Green Building:** BPAS: Planning Department recently discovered that no one was checking on the BPAS deliverables before handing out Certificates of Occupancy. Daniel has assessed that only one project got certified. He is working on a notification to come into compliance for currently occupied residences and inserting Planning into the C/O process for all new residences.

## **PRIORITY 5: CLEANLINESS**

### **GOAL 4: Improve Streetscapes**

3. **Streetlights:** See G4.G1.4 and Safety Enhancement Plan
5. **Bike Racks:** See Multimodal Report
6. **Signage:** Commercial Core Signage overhaul (Wilkins/TAF)

## **PRIORITY 6: TRAFFIC & PEDESTRIAN FRIENDLINESS**

### **GOAL 1: Complete Streets: Ensure Safer and More Accessible Bike and Pedestrian Routes in accordance with Bike/Ped Master Plan.**

*See Multimodal Report*

1. **Wicker Bike Trail:** See Awarded Grants.
2. **Crosstown Greenway Phase II:** Budgeted FY23 & FY24. Staples overhaul.
3. **Gap Closures on Trails:** Applied for Feasibility for Salt Ponds Paths on 2/27.
4. **E-bikes, Scooters and Other Micro-Mobility Devices:** Readvertising RFQ TBA. Education efforts.
5. **Additional Bike Racks:** FY23
6. **Investigate Alternative Parking Layouts:** Fort and Thomas, TBA
7. **Sidewalk Repair:** Annual
8. **Sidewalk Circulation Plans:** 2024 Grant Cycle?
9. **Pedestrian Crossing and Intersection Enhancements:** Annual
10. **Wayfinding:** FY23 for bikes. FY24 for all pending.
11. **Street Canopy:**
  - Implementation & Funding Plan Created. FDACS Grant Fall 2024
  - TNC Treesilience Project? Equity trimming?
12. **“Share Street” Pilot in Old Town:** Lazy Way & South Street.
13. **Added Create a Plan for Vision Zero (FY23) – Grant awarded!**

### **GOAL 2: Improve Public Transit**

1. **On Demand Transit Pilot:** Soft launched 11/28. Still running both lines.
2. **Maps at Bus Stops:** Most included in Final Mile FDOT Grant. Remaining budgeted for FY23.
3. **Lower Keys Shuttle:** Need more drivers before hourly can occur.
4. **County Micromobility Grant:** Plans to launch in spring. Goes from 4am til midnight.
4. **WiFi:** All buses have WiFi available, but is not being announced until we award Advertising Contract.
5. **Gain & Retain Bus Drivers (CDLS and Cutaway Drivers):**
  - Reclass occurred for FY23. 4 drivers have returned to City.
6. **Increase Park N Ride Mobility Hubs and EV Infrastructure for Electric Buses.**
  - In discussions with County on grant opportunities. EV Bus Plan in FY24.
7. **Pilot EcoPass:** Will include Wreckers Cay and two Housing Authority Properties on Stock Island: Gardenview and Bethel.

### **GOAL 3: Parking Improvements**

1. **Explore Additional Options:**
  - KWIC is undergoing feasibility study, due in August.
  - Rooftops design will be able to do all sites in FY23 for less!
  - The Park N Ride overhaul is applying for RAISE grant funding.
2. **Parking Garage App for Availability:** FY24.
3. **Pay By Phone:** Done
4. **Parking Policy Reform (See Policy & Code Changes below)**



## **GOAL 4: Reduce the Islands Carbon Footprint**

**1. Mobility Study:** See Multimodal

**2. Explore additional E-vehicles for City Transportation:** See P4.G1.8

**3. Electric Buses:** See P4.G1.8

**4. Electric Charging Stations:** See P4.G1.8

**5. Public Information Efforts to Encourage Green Methods of Transportation:** PIO,

Ryan put fuel calculator on website to incentivize transit ridership for Dump the Pump Day 6/17.

Need to advertise more!

**6. Policy and Code Changes:** Have ranked 10 priorities and met with Stantec to create task order/pricing.

**7. Raise Parking Rates:** Complete. Researching Surge pricing.

### **Related SAB Goals:**

**1. Less Cars on the Road** (Also See Multimodal Report)

a) Free & Frequent Buses: See *Strategic Plan P6.G2.1*

b) Create Revenue Source for Transit FY23

- Infotainment & WiFi are ready. Waiting for Advertisement RFQ for implementation.

c) Continue to Implement Bike Ped Master Plan.

**TCT/TAF:** Next mtg: April: Stantec, Regional EV, ?

○ 3/22: FY24 Budget Rankings

○ 2/22: FY24 pitches, Richard Clark

○ 1/25/23: Policy Preferences, TAP Grant

○ 12/21: Transit on Demand, N Roosevelt update

○ 11/17: Parking review, Transit on Demand

○ 10/26: New Residential Plans, Roofdeck parking ranking

○ 8/24: Postponed to Oct 6: New Residential Plans,

- **Florida Keys Transportation Coordination Committee:**

○ Next Meeting: TBA

○ Special Meeting 1/24 finalized Master Transportation Priority Recommendations.

- **FDOT TAP Grant:**

○ FY21: Final Mile: Approved at higher cost.

○ FY22: Wickers: Grant will be dropped and project completed in FY23 for reduced cost.

○ FY23: Salt Ponds Pathways: Applied for Feasibility Study 2/17.

○ FY24:

- **Transportation Intern:** “Transportation Research Assistant” to work on Transit on Demand.

- **Special Events Application:** Some parts missing from Transportation Recommendations.

- **AIPP:** Transit 1% may be used for low profile bus shelters for downtown.

### **Grants:**

Upcoming:

- **FDEO Defense Infrastructure.** Due 4/13. BV Resiliency Hub

- **OLDCC:** Due May 1. Waste To Energy.

- **HMGP Ian:** 4 Projects. Due 5/31.

- **Regional EV Project.** Due 5/31.

- **FDEO CPTA:** Date TBA

- **FDHR:** Historic Preservation. Due June.

- **Land and Water Conservation Fund**

- **Save America’s Treasures.**

- **DOD Defense Community Infrastructure Program (DCIP):** Not applying this year in favor of completing design for Palm Corridor with County. Proposals due each July.

- **RAISE Grant.** Did not apply, but created partnership with CUTR, Monroe, MiamiDade Transit & FDOT to create infrastructure plan that would create 3-4 Mobility Hubs along US1 that would include EV charging for public and Transit and act as evacuation points for those without cars. Group is working together for future grant availability.
- **ARRPA Covid Funds:** Need to determine how to spend remaining Covid funds (if any remains) Last estimated at ~\$12M. Recommended Fire Station 3 and BV Resilience Hub.
- **FDEP 319(h) Grant.** Due Fall. Green Stormwater Infrastructure (GSI) construction, monitoring and education to reduce nonpoint source pollution from land use activities.
- **FDEP Water Quality Assistance Grant.** Due ???. Fund GSI construction with the goal to reduce nonpoint source pollution from land use activities.
- **EPA [Source Reduction Assistance Grant 7/22/22](#)**
- **LLMR?**
- **FDEP Coastal Resilience Implementation Grants:** Due Sept 1. Not available until VA done.

Applied For:

- **FDOT Transportation Alternative Program:** Salt Ponds Feasibility. Ranked #2 for Monroe.
- **Covid HMGP:** White Street & Petronia Street Gravity Injection Well (~\$771K). Applied 12/21 Monroe County LMS only allocated \$601K.
- ~~**FDEO BRIC, Round 2:** Fire Station #3 Resilience Hub. Applied 11/2.
 
  - \$16,500,000 (City Share: 37% match, ~\$6M). Advanced to RFI round. Not picked.~~
- ~~**FDEO MIT General Infrastructure, Round 2:** Applied 9/17:
 
  - Bahama Village Community Center Resilience Hub: \$2,046,500/\$4,995,500 (58%)
    - Had 2<sup>nd</sup> Round Site Visit 11/29. Not Picked.
  - 6<sup>th</sup> Street and Patterson Pump Station: \$5,918,206/\$7,491,400 (21%)~~

Active Grants:

- **EPA South Florida:** Awarded! Partnered with CFK on Water Quality Monitoring.
- **FHA Safe Streets and Roads for All:** Awarded!
- **FDEM Watershed Master Plan:** Won! Applied 6/3/22. Will achieve 120 points towards CRS Class 4. Received grant agreement on 10/6. City Commission TBD – waiting on extension approval from FEMA.
- **FDEO Small Cities CV: KOTS:** Applied 11/1. Awarded!
- **FDEP Florida Resilient Coastlines Grant (\$905K)**  
Vulnerability Assessment, Roads & Infrastructure Chapter (including LiDAR) with Comp Plan and LDR Amendments. Must be complete in 3 years after contract signing. Singular RFP will cover work done under both this FDEP and FDEO grant below. LiDAR has begun. Consultant will be chosen soon.
- **FDEO General Planning.**
  - **Key West Comprehensive Adaptation and Resiliency Implementation Plan (CARIP):** \$500k for 6 Chapters of the ten-year implementation plan. RFQ posted 11/11. Ranking 1/25.
  - **Duval Street Economic Corridor Resiliency Plan:** \$500k. Katie/Planning is lead. Consultant Chosen.
- **FDEO MIT General Infrastructure:** (\$150M/year for 3 years) 8 projects worth \$40,186,681

Fun d	Scor e	Ran k	Project Name (Lead)	Project Ask	Matc h%	Cash Match	In Kind
402	38.0	4	RFI - Harris & 10th Streets: Stormwater Improvements	\$ 2,703,996	58%	\$ 3,716,288	\$ 0

402	30.4	10	Tide Valves and Outfall Improvements	\$ 3,099,159		\$ 2,989,189	\$ 0
402	22.8	35	Fogarty & 3rd Streets: Pump Assist Well and Drainage Collection System and Outfall	\$ 6,336,165	16%	\$1,206,900	\$ 650,936

- **Irma CDBG-DR Grant – Round 1:** (\$1.78M) Force Main (Match for Irma HMGP)
- **Irma CDBG-DR Grant – Round 2 (\$34M/\$100M):** Submitted 8 applications 6/30: FDEO awarded Harris/10<sup>th</sup> and the Force Main 1/22. Grant awards now closed.

LMS	Original HMGP Grant	Project Title	Fed Ask
8	Irma	Force Main Relocation Project (Infrastructure Hardening)	\$ 3,563,054
30	Irma	Harris Ave / 10th Expanded Neighborhood (Drainage)	\$ 1,376,269

- **IRMA HMGP:** 10 projects: \$13.5M. Applied Aug 2018.
  - Utilities will pay match for 2 of 3 bldgs in Wind Retrofits of Public Service.
  - The Tide Valves project is dead as an HMGP project. Total Currently Available is \$3,493,562, but could potentially become \$4,428,807..
  - LMS Group met to discuss 2024 FEMA deadlines for HMGP Projects. Each entity will send list of projects that need extension to FEMA.

LM S	FEM A#	Status	Title	Project Ask	Tide Valve Funds Needed	Exp.
8	501-R	Needs Extension	Force Main Relocation Project	\$ 2,330,000 + 2,219,991		1/31/23
20	396-R	Complete	Dennis Street and Venetia Street Outfall	\$ 1,309,459 +107,316	N/A	12/31/22
30	386-R	Expanding Scope; Needs Extension.	Harris Ave / 10th Expanded Neighborhood (Kim) – Waiting on Modification #2.	\$ 5,625,000		5/30/23
16	441-R	Expanding Scope.	Wind-Retrofit(s) of First Responder Facilities (KarenW) - Awaiting Mod for time extension	Expanding Scope		8/31/2023
13	451-R	Expanding Scope	Wind-Retrofit(s) of Public Service Facilities (KarenW): WWTP, Xfer Station, Palm Ave Public Works	Expanding Scope		
25	493-R	Withdrawn	<del>Patricia Ashby Pump Station Well</del>	<del>\$ 150,000</del>	NA	NA
14	415-R	Withdrawn	<del>Fire Station 3 – FEMA 361 Upgrades</del>	<del>\$ 2,219,991</del>	NA	NA
9	231-R	Cut by FDEM, Reallocating	Tide Valves and Outfall Improvements	\$3,493,562 Ph1 Design: \$504,372	N/A	8/31/22
15	492-R	Cancelled, Reallocated	<del>Generators for Critical Facilities</del> <del>Withdrawal request sent to FEMA.</del>	<del>\$ 107,316</del>	N/A	NA

- **Michael HMGP Tier 3:** \$17M across 4 applications turned in 5/1.

Michael HMGP	Cost	Lead
Fire Station 3 - FEMA 361 Upgrades	\$ 9,907,473	Karen W.
Fleming / Grinnell Gravity Injection Well (Drainage)	\$ 630,015	Elizabeth Ignaffo

Fogarty Avenue and 3rd St Pump Assist (Drainage)	\$ 6,740,054	Elizabeth Ignaffo
White Street & Petronia Street Gravity Injection Well	\$ 630,015	Elizabeth Ignaffo

### Grants Planning

- **DOD Readiness and Environmental Protection Integration (REPI):** Preproposals due late Nov. Full proposals due in March.
- **FDEO Small Cities CDBG. July.** Project areas include Neighborhood Revitalization, Housing Rehabilitation and Commercial Revitalization. Separate, later funding for Economic Development.
- **PPP Grants:** Requested short list of funding opportunities for Private Public Partnership grants to prepare to proactively engage landlords and prospective new tenants of major shopping centers who have lost or are losing their anchor stores.
- **Urban Forestry Grant:** Fall 2022.
- **Safe Routes to School.** Postponed to next cycle. When?

### Sustainability Board

- **Next meeting:** April: Priorities, KW Water Quality Improvement Plan Draft
  - March: Cancelled
  - Feb:
  - Jan: Strategic Plan
  - Nov: Cancelled
  - Oct: Energy Plan,
  - Sept: Marine Debris, Community Solar, Restoration Blueprint, Airport Expansion.
  - Aug 11: Special Workshop re Wastewater Compost project
- **Mt Trashmore –Revising sampling based on** Utilities report on water quality testing has led to discussions of expanded sampling effort. Also helping to post all current WQ sampling at beaches and ports to it's usable by researchers. Slowly working towards next Mt Trashmore report: passive uses and methane recapture. FDEP has 2019 data to share showing that the entire area is healthy. Still needs heavy metal and H2S sampling. Awarded EPA grant for monitoring partnership with CoFK.