

# Sustainability and Adaptation Report

August 2022

## Strategic Plan

### PRIORITY 2: ADAPTATION/SEA LEVEL RISE

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

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

- a. **FY22:** A&E Hired.
- b. FY23; In order of importance:
  - i. HARC Building Inspector moved back to Planning to help with LDR compliance.
    1. Started list of LDRs for oversight
  - ii. Hiring experienced Floodplain Manager in Building
  - iii. City Engineer & Engineering Director with Adaptation Experience in Engineering.
  - iv. Grant reporting/tracking help for all departments
  - v. Oversight of Energy & Adaptation Coordinator
  - vi. Job Description of Sustainability Coordinator (Oct?)

##### ~~2. Adaptation Fund and SLR Funding Consultant: (June 22)~~— Never was funded.

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

- Websites this year: Energy (once ready for Commission) and Adaptation (once Consultant is signed)
- Interviewed: 7/8 Time.com for Home Elevation; 7/13 Bonfish and Tarpon Trust for Water Quality; presented to the Florida Chapter of American Water Resources Assoc Annual Mtg 8/4.
- Featured as NOAA Case Study = [Home Elevation Program Helps Demystify The Process](#)

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

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

- New List: Done! = [Proposed 22-23 Adaptation Projects](#)
  - i. New Asset Mgmt Software identified to track upkeep and upgrades to all City Bldgs. Thumbs up from Mike Henriquez, Mike Turner, Jason Overstreet from Ports and Joelle Deese at 6/6 meeting. Will incorporate Bldg Master Plan spreadsheet.
    1. Need to advance – Populate via Joelle/Tara?
  - ii. Some stormwater projects postponed til FY24 due to capacity: Stormwater Master Plan Phase 3 - Green Infrastructure; Glass Reuse; and Water Reuse Feasibility;
- Current Projects: See Grants List.

##### 2. Protect Water Supply:

- Water Supply Plan/Timeline: Reviewed final comments with CM/ACM, legal, Bldg, Utilities, Planning and CBO. Met with CM on 7/12. On agenda for Planning Board 9/15.
  - i. Still need to complete Ordinance and presentation.
- [Technical Memo](#). Key elements include:
  - i. 2 Day a Week Irrigation Schedules
  - ii. Mandatory Efficiency Fixtures for all construction (showerheads, faucets, dishwashers, washers, etc).
- Turkey Point Updates:
  - i. FCAA 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!

- Water ReUse Plan: FY24
  - i. Creating Potable Water from Wastewater is now considered fundable as an Alternative Water Supply Project, per State Bill: [FL Senate Bill 64](#)
  - ii. Succeeded in getting Water Reuse as priority project under EPA regional grant via WQPP team. Application released: No-match EPA grant (cap \$700K) for Water Re-Use studies. Due 8/29.
  - iii. 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)

- FMA Grant Project: Monroe County led effort to help local homeowners apply for FMA elevation funding. 5 applications were for rebuild and 12 were for elevation. Monroe's applications are 1/3 of entire state submittals. August announcement from FEMA: No \$ for Monroe elevations. Next FY will have 5x more funds allocated. Working on Outreach Plan with Monroe for next cycle. Due in Nov.
- Met with Elevation Contractor 1/13 to brainstorm potential collaborations
- City Staff met w County 1/18 to plan for next FMA Cycle.
- County hosted keywise Planners mtg 2/24 for **Model Elevation Language** and just released compiled language (3/15).
- Met with City of Miami Beach, 2/16: they are creating a grant fund for up to \$20K per home.
- Had abstract selected for National Adaptation Forum.
- Related: [Florida Sales Tax Exemption for home impact windows and doors](#) in effect now through June 30, 2024.
- Related: [My Safe Florida Home](#) will offer free mitigation inspections and ≤\$10,000 grants for homesteaded houses build before 2008; homeowner must provide 50% match. Total of \$115M for "wind debris areas".

### **GOAL 3: Long Term Adaptation Plan**

#### **1. Vulnerability Assessment &**

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

- Steps Needed to Begin:
  - ✓ LiDAR Clarification: We can have General Agreement signed after Monroe starts! ILA passed City Commission 7/6.
  - ✓ FDEO General Agreement: Signed at City Commission 8/16.
    - i. RFQ: has been approved by legal and is waiting for:
      1. FDEP final tasks/scope
      2. Review by FDEO
    - ii. FDEP General Agreement: Legal approved generic copy with one change. Questions on scope to FDEP liaison forwarded to FDEP Planning 7/15. FDEP Liaison noted on 8/16 that our scope was being folded into agreement template and would be available soon. Reviewed draft scope and responded 9/1.
- LiDAR: Woods Contract was signed with Monroe in June; Our ILA July 20. Notice to Proceed on 8/15. Updates via team meetings on Thursdays. Creating PO to start payments.
- Staff Steering team met 8/25 and gave final thoughts on RFQ. Comments due 9/2. Sending to Legal on 9/6.

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

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

- Completed = [PDRRP Annual Plan FY22](#), 2<sup>nd</sup> Reading at CC 5/3. Forwarded to Municode 7/21.

- Need to create PDRRP FY23 Annual Plan

## 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 Recommended for Funding to Congress 9/25. 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. List of all residences and commercial buildings identified by report will be published as Appendix F: Real Estate on [ACOE Report website](#). Update to BOCC 11/17. The funding bill, [WRDA 2022](#), is moving through Congress and allocates \$1.5B to the Florida Keys. It was passed by the Senate on July 28 and is still going through committees in the House. The current allocation is the full federal share that should complete all Keys projects.

## 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. CIP Budgets were heard before the BOCC on 8/17, which will help us plan for Eaton and navy grant opportunities. Next presentation will be on Policy considerations.
- Harry Harris Park will get a resiliency redesign.
- Full County budget will be heard at BOCC on Sept 12 and 21.

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

- Local Mitigation Strategy (LMS) Team: Met June 30: Are formally asking FDEM as group to ask FEMA for extension for HMGP projects. Key West sent in two projects: Force Main and Harris/10<sup>th</sup> with extension ask of 6/2025.
  - i. FEMA released an updated [Local Mitigation Planning Policy Guide, trainings are upcoming.](#)
- 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"
- Regional Adaptation Coordination Team: County applied for FDEP Resilience Planning monies for Roads Vulnerability for region.
- ICLEI: Monthly Cohort Meetings: 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.
- 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.
- Looking at 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 in Aug. Recommendations 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.
- See *Upcoming Grants*

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

- Attended: FL Resilience Conf Sept, FL Energy and Climate Summit, Living Shorelines Oct, Southeast and [Caribbean Disaster Resilience Partnership](#), Floodplain Higher Standards Course. Gulf of Mexico Conf April, Aspen Ideas Festival May, National Planning Association May, [Extreme Rainfall Workshop June](#).
- Attending:, National Adaptation Forum Oct (Kim F), ~~Growing Sustainable Communities Oct~~, Florida Resilience Conf Oct (Karen W), ~~Gulf of Mexico Resiliency Community of Practice Oct~~, Floodplain Manager Certification Dec, Climate Summit Dec, ~~Energy Manager Training TBA~~.

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

- FDEP Quarterly Mtg: Sept
- FDEP Annual Coastal: May
- FDEM Quarterly Meeting: Oct
- FDOT received Monroe County Transportation Master Plan
- FDEO:
- FEMA Flood Maps: No updates.
- 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: Fall.

#### **Adaptation Planning Team:**

- 1) Next meeting: TBD (Nov??): FY23: PDRRP Plan, Asset Mgmt, Post Conference downloads.
- 2) Last Meeting Recap:
  - 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 Oct 19.
- 2. Energy Use Map:** Planned for Fall 22.
- 4. Energy Efficiency in City Buildings:**
  - Police Building lights have arrived, should be fully installed by end of Sept.
  - 2023 Plan and Budget completed for 4 buildings: WWTP, Fire Station #3, Transit & \_\_\_\_\_.
- 5. LED Streetlights:**
  - Met with KES on Cost of Services spreadsheet 5/24, which informs the current Tariffs. Decided to only spend \$80K in FY23 for lights which will save us \$. Expected to go in front of Commission 9/7.
- 6. Adhere to Resolution 19-328 on Solar Energy:** Solar Evaluation Form, V1 is complete and in use.
- 6. Waste To Energy:** Kelly Crowe. Feasibility Study pulled from 5/24 CC mtg. Needs to include gasification research.
- 7. Vehicle Electrification Readiness:** See below:
- 8. Electric Charging Stations:** Duke Masters Student officially hired as free intern to create EV Plan.
  - Attended 3 Keys Energy Board Workshops 2/9. Not promising.
  - Draft completed, Final report expected in late July.
  - See CUTR Partnerships.

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

*Solid Waste Coordinator hired 3/22*

- 1. Wastewater Sludge Composting: Workshop at SAB 5:30pm on 8/11**
- 2. Mandatory and Incentivized Recycling for Businesses:**
- 3. Enforce Ban on Single Use Plastics: ~~Convene Leadership Meeting~~**
- 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?
- 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 in Chambers.  
Need to follow up with test dates.
- 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???
  - 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.
  - Wrapping sampling into new EPA grant application 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 Liveaboard 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 Liveaboards:** 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. 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.
    - Met 2/11: Reviewed Goals, Opportunities and FDEP Sampling Report.
    - Met 3/22: Reviewed Mt Trashmore and discussed sampling ideas/resources.
    - Met 5/17: Reviewed College of the Florida Keys WQ Partnering Proposal.
      - Recommending \$180K for help with EPA grant.
    - Met 7/21: Reviewed new CFK EPA proposal for 8/29, Narrated WQPP Priorities 1-3
    - Next meeting: TBD
  - Monroe updated WQPP on Canal Work and Resiliency Initiatives. 3/7
  - Teamed with FDEP to load decade of back data to state database from marinas and outfalls.
  - College of the Florida Keys Partnership
    - \$180K added to Adaptation budget for Water Quality to assist CoFK project.
    - Draft objectives for FY23 Grant application
      - Continue monitoring of KW Harbor and shipping channel
      - Add hydrogen sulfide monitoring equipment
      - Focus on chemicals of emerging concern
      - Develop a WQ monitoring certificate for BSc degree
      - Complete WQ Monitoring and Improvement Plan
      - Expand monitoring to high priority areas
  - Next WQPP Meeting:

- 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.
- 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 will review in Sept.
- **Sunscreen:** Samples were taken over the summer of 2021 in local waters.

### **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. Added to Strategic Plan ops FY23.
- 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 FY24.
  - Discovered local lead on pervious concrete. Will arrange meet up with PE.
- Revise Stormwater Ordinances: Stormwater Master Plan, Phase 3, FY23.

##### **c) Increase Environmental Protection**

- 10 Year Energy Plan (A&E completed draft)
- Inventory Fossil Fuel Use (Annual report, due Oct)
- Increase Tree Plantings (In Transportation Goals, grant in Fall)
  - Convened multi city private property tree planting cohort 2/22
  - Coordinating partnership with Extension Service to encourage/track street tree planting.
  - Partnered with KES and Extension on Lunch and Learn (4/22) supporting Native Tree Giveaway (4/23) – alerted key sections of Crosstown Greenway
  - Seeking FY23 budget for FDOF Urban Forestry Match money.
- Reduce/Eliminate 2 stroke engine use
- Outreach program on sustainable yard maintenance (Workshop held Aug)
- Remove iguanas by all means possible

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

- **Florida Keys Green Business Certification:** Somewhat included in Strategic Plan. Working into Energy Plan.
- **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 2023.
3. **Gap Closures on Trails:** 2023.
4. **E-bikes, Scooters and Other Micro-Mobility Devices:** Readvertising RFQ
5. **Additional Bike Racks:** FY23
6. **Investigate Alternative Parking Layouts:** Fort and Thomas
7. **Sidewalk Repair:** Annual
8. **Sidewalk Circulation Plans:** 2024 Grant Cycle
9. **Pedestrian Crossing and Intersection Enhancements:** Annual
10. **Wayfinding:** FY23 Ask
11. **Street Canopy:**
  - Implementation & Funding Plan Created. FDACS Grant due Fall.
  - TNC Treesilience Project? Equity trimming?
12. **“Share Street” Pilot in Old Town:** Lazy Way.
13. **Added Create a Plan for Vision Zero (FY23)**

**GOAL 2: Improve Public Transit**

1. **On Demand Transit Pilot:** Moving forward. Applied for Innovation Grant.
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.  
New Freebie partnership with County should help LKS go faster.  
Grant applied for early May by County. Would start in July 2023.
4. **WiFi:** Ready to turn on in LKS.
5. **Gain & Retain Bus Drivers (CDLS and Cutaway Drivers):**
  - Draft of campaign created and given to Elisa for comment.
  - Campaign sent to CUTR and meeting about scope 7/6.
  - PO Request making the rounds.
6. **Increase Park N Ride Mobility Hubs and EV Infrastructure for Electric Buses.**
  - In discussions with County on grant opportunities.
7. **Pilot EcoPass at Gardenview.**

**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!
2. **Parking Garage App for Availability:** PO Request is making the rounds.
3. **Pay By Phone:** Done

**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 See RAISE Grant below.
4. **Electric Charging Stations:** See P4.G1.8
5. **Public Information Efforts to Encourage Green Methods of Transportation:** PIO,



Ryan to 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:** Fall 2023

**7. Raise Parking Rates:** Complete.

#### **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 passed on CC agenda 8/3. WiFi is next.
  - c) Continue to Implement Bike Ped Master Plan.

**TCT/TAF:** Next mtg: August 24

- 7/12: SEI Ask, Mobility discussion, Lighted stop sign placement,
- 6/13: Rooftop Designs, Commute Calculator, Wayfinding Designs, PAAT Update
- 5/20: Approved FY23 Budget; Brainstormed for Federal Transportation Grant.
- **Florida Keys Transportation Coordination Committee:**
  - Next Meeting: 10/13
  - Special Meeting 1/24 finalized Master Transportation Priority Recommendations.
- **FDOT TAP Grant:**
  - Final Mile: Bid 2x budget. CEI additional \$200K. Seeking funds and phasing.
  - Wickers: Grant will be dropped and project completed in FY23 for reduced cost.
- **Transportation Intern:** “Transportation Research Assistant” to work on Transit on Demand.
- **Special Events Application:** Some parts missing from Transportation Recommendations.

Higgins

#### **Grants:**

Upcoming:

- EPA South Florida: Due 8/29
  - Partnering with CFK on Water Quality Monitoring
  - Asked Kelly re Water Re-Use
- **FDEP Coastal Resilience Implementation Grants:** Due Sept 1. Not available until Vulnerability Assessment has been conducted.
- **FHA Safe Streets and Roads for All:** Due Sept 15. Have to do "Safety Plan" with first round of funding. Then looking at North Roosevelt and a broader Safe Routes to School package.
- **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](#)
- DOD [Defense Community Infrastructure Program \(DCIP\)](#): Not applying this year in favor of completing design for Palm Corridor with County. Proposals due each July.

● **LLMR?**

#### Applied For:

- **FDEM Watershed Master Plan:** Due June 3. Grant approval 5/26. Will achieve 120 points towards CRS Class 4. Applied for 6/3.
- **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:

- **FDOT Transportation Alternative Program:** WON! Applied 2/18. Scheduled for FY28. Chose: Wickers & North Roosevelt Safety Enhancement Plan. Saltponds Design, Wayfinding Plan, Mobility Plan all on hold for new funding opportunities. Re-evaluating Wickers Cost 7/7 – may be able to do faster and cheaper.
- **FDEO Small Cities CV:** KOTS: Applied 11/1. Received!!
- **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. Monroe County took lead to organize mobile LiDAR for incorporated areas: Wood was chosen. ILAs are signed. Still working on scope w FDEP liaison.
- **FDEO General Planning.**
  - Working to complete all pre-requirements as possible for both grants so we can hit the ground running post contract signatures. Researching resolutions to ease procurement issues.
  - **Key West Comprehensive Adaptation and Resiliency Implementation Plan (CARIP):** \$500k for 6 Chapters of the ten-year implementation plan. Draft RFQ and General Agreement have cleared legal. Agreement going to CC Aug 16. RFQ to follow, after FDEO review.
  - **Duval Street Economic Corridor Resiliency Plan:** \$500k. Katie/Planning is lead. RFQ is released. General Agreement received and under review.
- **FDEO CPTA:** \$44k for Post Disaster Recovery and Reconstruction Plan w Comp Plan amendments. Project grant complete 6/24. 2<sup>nd</sup> reading passed Commission 5/3. Sent to Municode!
- **FDEO MIT General Infrastructure:** (\$150M/year for 3 years) 8 projects worth \$40,186,681

Fund	Score	Rank	Project Name (Lead)	Project Ask	Match %	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	WON: Tide Valves and Outfall Improvements	\$ 3,099,159		\$ 2,989,189	\$ 0
402	22.8	35	WON: 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 County by 7/14.

LM S	FL #	FEM A#	Status	Title	Project Ask	Tide Valve Funds Needed
8	223	501-R	Needs Extension	Force Main Relocation Project	\$ 2,330,000 + 2,219,991	
9	220	231-R	<del>Cut by FDEM, Reallocating</del>	<del>Tide Valves and Outfall Improvements (Elizabeth)</del>	<del>\$3,493,562 Ph1 Design: \$504,372</del>	N/A
20	218	396-R	Complete	Dennis Street and Venetia Street Outfall	\$ 1,309,459 +107,316	N/A
30	298	386-R	Expanding Scope; Needs Ext.	Harris Ave / 10th Expanded Neighborhood (Elizabeth)	\$ 5,625,000	
15	221	492-R	<del>Cancelled, Reallocated</del>	<del>Generators for Critical Facilities Withdrawal request sent to FEMA.</del>	<del>\$ 107,316</del>	N/A
16	297	441-R	Expanding Scope	Wind-Retrofit(s) of First Responder Facilities (Karen)	Expanding Scope	
13	219	451-R	Expanding Scope	Wind-Retrofit(s) of Public Service Facilities (Karen)	Expanding Scope	
25	222	493-R	Accepted	Patricia Ashby Pump Station Well (Elizabeth)	\$ 150,000	
14	296	415-R	Withdrawn	<del>Fire Station 3 – FEMA 361 Upgrades</del>	<del>\$ 2,219,991</del>	

- **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

- **FDEO Small Cities CDBG. Next 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.
- **DOD Readiness and Environmental Protection Integration (REPI):** Preproposals due late Nov. Full proposals due in March.
- **Urban Forestry Grant:** Fall 2022.
- **Safe Routes to School.** Postponed to next cycle. When?
- **FDEO Defense Infrastructure Grant ad Defense Reinvestment Grant Programs.** (Early April)

Higgins

#### **Sustainability Board**

- **Next meeting:** Sept: Marine Debris, Community Solar, Restoration Blueprint, Airport Expansion.
  - Aug 11: Special Workshop re Wastewater Compost project
  - June 9: Presentations. Guidance on Waste to Energy Study.
  - May 12: Presentations by EPA grantees
  - April: Cancelled, no staff liaison.
  - March 10: New Students Ambassadors. Hawk missile updates.
  - Feb 10: Reviewing WQPP Priorities. Hawk Missile updates.
- **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. Applied for EPA grant, partnering with CoFK for monitoring.