
May 6 2022

Higgins
Strategic Plan

PRIORITY 2: ADAPTATION/SEA LEVEL RISE

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

1. **Build an Adaptation Team:** A&E Hired. What does Engineering need for FY23?
 - a. Maybe Planning to follow up on new development requirements?
2. **Adaptation Fund and SLR Funding Consultant:** (June 22) – Maybe a financing person?
3. **Increase Communication/Transparency:**
 - Websites this year: Energy and Adaptation

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. Met with Mike Henriques to design Bldg Master Plan spreadsheet, to track upkeep and upgrades to all City Bldgs. Ports reported that they hired someone to do just that for their buildings. Joelle is adding energy columns to the list. Will be completed by end of year.
- 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. On agenda for Planning Board TBA, pending meeting with CM. Completed [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. 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 FPL had their permit to expand the life of 2 reactors withdrawn while they update their Environmental Study.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
- Water ReUse Plan
 - 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 expected to be released soon.
 - iii. Next Steps Feasibility will be in FY23 Utilities budget.???

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

4. ~~Grade elevation~~ / Home Elevation Project: (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. Of the elevations, 4 are from Key West and 3 of those work for the City. Monroe's applications are 1/3 of entire state submittals. FDEM Quarterly meeting said we wouldn't hear more until October.
- 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 keyswide 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.
- Was interviewed by NOAA for Case Study 2/8. Expected final product June.
- Completed 2 abstracts for National Adaptation Forum: Featured by Compact and one just City.

GOAL 3: Long Term Adaptation Plan

1. Vulnerability Assessment &

2. Long Term Adaptation Strategy and Implementation Plan:

- Cohort Call on 2/23 gave procurement solutions for RFQ, met with Carolyn Sheldon 3/16. RFQ stuck at legal - have to consult on perceived issues.
- Received contract from FDEO 2/22 and reviewed with Carolyn 3/21). Met with FDEO 3/23 for revisions to scope and agreement. Will Need Official Procurement Policy Changes. Meeting with Legal to review on 5/13.
- FDEP funding announcement 5/3, still waiting on FDEP final scope and agreement.
- LiDAR Company Chosen (Wood). City staff met with Wood Feb 8. Rhonda is drafting ILAs for all the muni's. Need to make sure it allows time for grant funding.
- For additional detail, see *Active Grants*

GOAL 4: Partnerships and Linkages to Other Plans

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

- Completed = [PDRRP Annual Plan FY22, Second reading passed Commission 5/3.](#)

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.

4. Monroe County GreenKeys!

- Roads Vulnerability Updates happened 2/17 & 2/23, [recording here](#). [New map website](#) shows they have divided Key West based projects into two groups: #59: Eaton, Palm and Flagler, and #60 Atlantic Blvd. #59 is considered high priority and will most likely be in their 2025 plan. #60 scored and ranked lower and will be considered after the 2025 plan.

5. Key West Representation on Local and Regional Boards:

- Local Mitigation Strategy Team: Next Meeting 3/31. Joelle and Kim will be Alison's delegates. Reporting on HMGP Tidal Valve \$, RAISE Transportation Grant application and requesting County to coordinate training calendar.
- 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: 8/13 meeting organized all muni's LiDAR spending to leverage for FDEP regional grant for roads planning. FDEP Grant turned in 8/27. Ranking for LiDAR 12/13: Chose Wood. Negotiation meeting #1 was 1/24. All muni's mtg Wood separately. County did not get regional Lidar grant, but Marathon and Islamorada got VA grants.
- 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.
- 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.
- 2 Plans they especially liked were the BV Resilience Hub (which just lost funding) and Palm Ave Stormwater Upgrades. Looking at DCIP funding for Palm in partnership with County.
- Plan to convene workshop for collaboration until we both have VA's:
 - The entire south region of the military received a grant through the South Florida Regional Planning Council to do an Adaptation Readiness Survey. NAS-KW will be evaluated, and recommendations will occur 18 months from now: Aug 2023
- 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,
- Attending: Aspen Ideas Festival May, National Planning Association April, National Adaptation Forum Oct, Growing Sustainable Communities Oct, Energy Manager Training TBA.

8. State (and Federal) Plans:

- FDEP Quarterly Mtg: May
- FDEP Annual Coastal: May
- FDEM Quarterly Meeting: June
- FDOT received Monroe County Transportation Master Plan
- FDEO:
- FEMA Flood Maps: No updates.
- Biden Infrastructure Package
 - i. [Biden EV Plan](#)

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: Summer?

Adaptation Planning Team:

- 1) Next meeting: Late May: Pre Disaster Contracts. FY23 Budgets. 2022 SLR Technical Update.
- 2) Last Meeting Recap:
 - 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. In review. Presents to Commission in June.
2. **Energy Use Map:** Planned for Fall 22.
4. **Energy Efficiency in City Buildings:**
 - Police Building chosen and lights being ordered.
 - 2023 Plan and Budget completed.
5. **LED Streetlights:**
 - List and Pricing done. Received 2nd revision from KES 3/21. Meeting with Legal 3/29. Executive Summary drafted. Meeting with KES on Cost of Services spreadsheet, which informs the current Tariffs.
 - Aiming for same CC meeting as Energy Plan presentation.
6. **Adhere to Resolution 19-328 on Solar Energy:** Solar Evaluation Form, V1 is complete and in use.
6. **Waste To Energy:** Kelly Crowe.
7. **Vehicle Electrification Readiness:** See below:
8. **Electric Charging Stations:** Duke Masters Student officially hired as free intern to create EV Plan.
 - Attended Keys Energy Board Workshop 2/9. Not promising.
 - May: Public Meeting. Done in June.
 - See CUTR Partnerships.

GOAL 2: Recycling and Composting

Solid Waste Coordinator hired 3/22

1. **Wastewater Sludge Composting:**
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.
 - Working with USGBC to set date for the LEED certification course.
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.
- c) Other

- Extension Service Sargassum compost project is complete, waiting for final composition data.

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:** JP Castro
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 Bradshaw. Look for Funding.
8. **Enforcement and Accountability Partnerships:**
9. **Workshop on Green Businesses:** Late Summer?
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 2/11: Reviewed Goals, Opportunities and FDEP Sampling Report.
 - ii. Met 3/22: Reviewed Mt Trashmore and discussed sampling ideas/resources.
 - 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.
 - 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.
- College of the Florida Keys was awarded a grant to study the conditions of the cruise ship harbor. Dr. Rice is presented to CC, was asked to collaborate on potential City budget for FY23.
- **Florida Keys National Marine Sanctuary:** Many funding opportunities in the Environmental Protection Realm. Revised Blueprint coming out soon.
- **Sunscreen:** Samples were taken over the summer of 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 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. Will discuss at Adaptation Team meeting Planning reviewed tracking system on 9/16.
 - 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 April)
 - 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
 - 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.
- **GM Mosquitos:** Passed. Phase one project over. Data being evaluated.
- **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 Upcoming Grants.
2. **Crosstown Greenway Phase II:**
3. **Gap Closures on Trails: 2023.**
4. **E-bikes, Scooters and Other Micro-Mobility Devices:**
5. **Additional Bike Racks:**
6. **Investigate Alternative Parking Layouts:**
7. **Sidewalk Repair:**
8. **Sidewalk Circulation Plans:** 2024 Grant Cycle
9. **Pedestrian Crossing and Intersection Enhancements:**
10. **Wayfinding:**
11. **Street Canopy:**

- Implementation & Funding Plan Created. FDACS Grant due Fall.
12. “Share Street” Pilot in Old Town: Lazy Way.

GOAL 2: Improve Public Transit

1. **On Demand Transit Pilot:** On Hold. 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.
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.
6. **Increase Park N Ride Mobility Hubs and EV Infrastructure for Electric Buses.**
 - In discussions with County on grant opportunities.

GOAL 3: Parking Improvements

1. **Explore Additional Options:**
 - KWIC is undergoing feasibility study.
 - Rooftops design will seek funding in FY23 TAF. Gary is helping.
2. **Parking Garage App for Availability:** Received first quote.
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,
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: May.

- Last Meeting: 3/23: Completed FY23 Budget for ranking.
- **Florida Keys Transportation Coordination Committee:** Special Meeting 1/24 finalized Master Transportation Priority Recommendations.
- **FDOT TAP Grant:** All paperwork complete. Waiting on appropriations.
- **Transportation Intern:** “Transportation Research Assistant” is back to drawing board. SF Commuter Services confirmed that \$ is still usable in new FY. Either tie in with Transit on Demand or COAST.
- **Special Events Application:** Some parts missing from Transportation Recommendations.

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Grants:

Upcoming:

- **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.

- **FDOT Transportation Alternative Program:** Due Feb 18. Chose: Wickers & North Roosevelt Safety Enhancement Plan. Saltponds Design, Wayfinding Plan, Mobility Plan all on hold for new funding opportunities.
- **ARRPA Covid Funds:** Need to determine how to spend remaining Covid funds (if any remains) Last estimated at ~\$12M.
- **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.
- **RAISE.** Transportation. Due Summer.
- **DOD [Defense Community Infrastructure Program \(DCIP\)](#):** Preproposal due July. Final proposals due September. Will pursue either Fire Station 3 or Palm/Eaton Corridor for Stormwater and Electric Wire burial (Mtg w County held 3/15, very promising!).

Applied For:

- **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 2nd Round Site Visit 11/29. Not Picked.
 - ~~6th Street and Patterson Pump Station: \$5,918,206/\$7,491,400 (21%)~~

Active Grants:

- **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. Working on agreement language and a singular RFP to 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 drafted.
- **FDEO General Planning.**
 - Working to complete all pre-requirements as possible for both grants so we can hit the ground running post contract signatures. Regional meeting 9/2 & 11/3 shows that no govt has gotten through the process yet, mostly due to procurement policy issues. FDEO has sent both scopes up the chain to become agreements. 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 currently at legal - meeting 5/13.
 - **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. Comp Plan amendments passed Planning Board Sept 16. Presentation and Plan passed City Commission 10/5 and Comp Plan Reading #1 on Oct 19. 2nd reading passed Commission 5/3. Final invoice from Jacobs paid. Reimbursement received.

- **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 (Elizabeth)	\$ 2,703,996	58%	\$ 3,716,288	\$ 0
402	30.4	10	WON: Tide Valves and Outfall Improvements (Elizabeth)	\$ 3,099,159		\$ 2,989,189	\$ 0
402	22.8	35	WON: Fogarty & 3rd Streets: Pump Assist Well and Drainage Collection System and Outfall (Elizabeth)	\$ 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/10th 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.
 - Sent letter requesting reallocation of Generators (\$107K) to Dennis/Venetia.
 - Utilities will pay match for 2 of 3 bldgs in Wind Retrofits of Public Service.
 - LMS was alerted to a surplus in the DEM account. Group voted to assign to current project overages.
 - The Tide Valves project is dead as an HMGP project. Current HMGP projects are looking at expanded scope options, with the remainder specified toward a partner project we'd like the money to go towards. Am inquiring into County's Road Elevation HMGP project.
 - HMGP POIs met 2/1 to discuss expanded scope. Karen will request spalling be included. Updated LMS list shows Dennis/Venetia still underfunded, although we asked for Generator funds to go towards it. FDEM confirmed funds to go to D/V and requested official form for Tidal Valves.

LM S	FL #	FEMA #	Status	Title	Project Ask	City Share
8	223	501-R	Underway	Force Main Relocation Project (Elizabeth)	\$ 2,330,000 + 2,219,991	
9	220	231-R	Cut by FDEM	Tide Valves and Outfall Improvements (Elizabeth)	\$3,493,562 Ph1 Design: \$504,372	3,052,020 Ph1 Design: \$440,627
20	218	396-R	Underway	Dennis Street and Venetia Street Outfall (Elizabeth)	\$ 1,309,459	
30	298	386-R	Underway	Harris Ave / 10th Expanded Neighborhood (Elizabeth)	\$ 5,625,000	
15	221	492-R	Cancelling	Generators for Critical Facilities Withdrawal request sent to FEMA.	\$ 107,316	
16	297	441-R	Underway	Wind-Retrofit(s) of First Responder Facilities (Karen)	\$ 66,411	

13	219	451-R	Underway	Wind-Retrofit(s) of Public Service Facilities (Karen)	\$ 531,507	
25	222	493-R	Accepted	Patricia Ashby Pump Station Well (Elizabeth)	\$ 150,000	
14	296	415-R	Withdrawn	Fire Station 3 – FEMA 361 Upgrades	-\$ 2,219,991	

- **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

- **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.
- **FDEO Small Cities CDBG.** May not happen this year b/c Small Cities CARES grant.
- **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.

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Sustainability Board

- **Next meeting:** 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 sampling.