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Higgins  
**Adaptation  
Grants**

Upcoming:

- **FDEO MIT General Infrastructure, Round 2:** Due 9/17, moving ahead on 2 projects:
  - Bahama Village Community Center Resilience Hub
  - 6<sup>th</sup> Street and Patterson Pump Station
  - ~~White Street and Eaton Pump Station~~ – dropped, County couldn't participate.
- **FDEO BRIC, Round 2:** Notice of Intents requested, contemplating projects now.
  - Navy is interested in partnering. Will pull together another meeting soon.
- **FDEO Small Cities CV:** Kots

Applied For:

Active

- **FDEP Florida Resilient Coastlines Grant (\$905K)**  
Vulnerability Assessment, Roads & Infrastructure Chapter (including LiDAR) and Comp Plan EAR and Text 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. Draft to FDEO 9/3, Final sign offs 9/8. Monroe County is taking the lead to organize mobile LiDAR for incorporated areas, commented on RFP 8/13, passed BOCC Aug 8/18. Key West is now first City to receive drivetime.
- **FDEO General Planning.**
  - Working to complete all pre-requirements as possible for both grants so we can hit the ground running post contract signatures. Team meeting 8/31
  - **Key West Comprehensive Adaptation and Resiliency Implementation Plan (CARIP)**: \$500k for 6 Chapters of the ten-year implementation plan. Working on Draft scope with FDEO with new 4-year timeline deadline.
  - **Duval Street Economic Corridor Resiliency Plan**: \$500k. Katie/Planning is lead. We are learning from the Duval process.
- **Seagrant: Elevating Houses: (\$28.5K)** Videos posted to FIRM website. Completing reports for close out and reimbursement. Processed FIRM Payment today.
- **FDEO CPTA:** \$44k for Post Disaster Recovery and Reconstruction Plan w Comp Plan amendments. Project grant complete 6/24. Working on reimbursement and prepping Comp Plan amendments with Legal (mtg 9/2) for Planning Board on September 16. Final invoice from Jacobs paid. Reimbursement request sent 8/27.

**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
401	46.4	1	Kets (Albi)	-\$ 2,751,157	16%	-\$ 524,029	-\$ 0
402	38.0	4	RFI - Harris & 10th Streets: Stormwater Improvements (Elizabeth)	\$ 2,703,996	58%	\$ 3,716,288	\$ 0
401	36.4	8	Force Main Relocation Project (Elizabeth)	-\$ 2,876,152	71%	-\$ 0	-\$ 0
601	35.4	3	Bahama Village Douglass Gym (Karen)	-\$ 5,958,948	18%	-\$ 1,319,200	-\$ 0
401	33.8	9	Fire Station 3: Rebuild (Karen)	-\$13,484,543	16%	-\$2,568,485	-\$0
402	30.4	10	WON: Tide Valves and Outfall Improvements (Elizabeth)	\$ 3,099,159		\$ 2,989,189	\$ 0
401	31.2	13	Emergency Management Resilience and Readiness (Karen)	\$ 2,530,064	16%	-\$ 481,916	-\$ 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/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
9	Irma	Tide Valves and Outfall Improvements (Drainage)	\$ 3,703,832
20	Irma	Dennis Street and Venetia Street Outfall (Drainage)	\$ 2,291,353
14	None 100%	Fire Station 3	\$ 15,368,902
36	Michael	Fogarty Avenue and 3rd St Pump Assist (Drainage)	\$ 6,834,830
31	None 100%	Fleming & Grinnell Gravity Injection Well	\$ 639,429
42	None 100%	White & Petronia Gravity Injection Well	\$ 639,429

- **IRMA HMGP:** 10 projects: \$13.5M. Applied Aug 2018.  
Secured an additional \$2.2M for Force Main by withdrawing underfunded Fire Station 3.
  - Send letter requesting reallocation of Generators (\$107K) to Dennis/Venetia.
  - Verified that Wind Retrofits for First Responders (Fire Station) budget is sound.
  - Utilities will pay match for 2 of 3 bldgs in Wind Retrofits of Public Service.
  - Project handoff meeting with Karen Wilman for 2 Wind Retrofit projects 8/3.

LMS	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	Underway: Design Phase	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	Awarded, Awaiting Contract	Wind-Retrofit(s) of Public Service Facilities (Karen)	\$ 531,507	
25	222	493-R	Backup	Patricia Ashby Pump Station Well (Elizabeth)	\$ 150,000	
14	296	415-R	Withdrawn	Fire Station 3 – FEMA 361 Upgrades	<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

- **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.** Sent summary to ACM. Can be: Neighborhood Revitalization, Housing Rehabilitation, Commercial Revitalization or Economic Development. Due Fall 2021, but many prep activities must occur to score high. Re-sent to Elisa.
- **Urban Forestry Grant:** ACM deferred – Prep for next year.

### Projects

- **2020 Water Supply Plan Update:** Reviewed final comments with CM/ACM, legal, Bldg, Utilities, Planning. Will put before Planning Board TBA.
- **Army Corps Coastal Storm Study.** Update to BOCC 2/17, dropped all references to buyout, so eminent domain issue is moot. BOCC Accepted Plan, presented to City Commission 5/4. Total of \$2.5B, almost half which is slated for Key West (1.05B). 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.
- **Regional Adaptation Coordination Team:** 8/13 meeting organized all muni's LiDAR spending to leverage for FDEP regional grant for roads planning. Grant turned in 8/27.
- **Adaptation Planning Team:** Next meeting: TBD
  - 1) **Last Meeting Recap:**
    - Strategic Plan Draft; LiDAR discussion; Monroe Vulnerability Assessment, etc
  - 2) **Next Meeting:** SLR Design Criteria; PDRRP Actions/Timeline; Stormwater Projects/SWMP, Phase 3 Scope. Navy: BRIC
  - 3) **Training/Travel:** Sending Engineer to Oct Living Shorelines workshop and registered 4 employees to Compact Summit in Dec. Scheduled broadcast of Sept 16 Florida Resilience Conference.
- **Strategic Plan:**
  - Goal 2: Adaptation. Presented to Commission 6/2. Finished 5 year projects list. Budget Created and passed first workshop.

- Goal #4: Environmental Protection (Drafted: pump outs, clean marinas, coral restoration, green business, living shorelines). Presented at Retreat 8/5.
  - Working with Tree Lady on Fertilizer ordinance.
  - Need to consider phasing [FDEP Nonpoint grants](#).
  - Also research FDEP Brownfields opportunities.
- Goal #6 – Traffic and Pedestrian Friendliness (Transit, Bike/Ped, Parking, Reduce Footprint) Presented to Commission 6/15.
- **Private Sector:** See PPP Grants.
- **University Cooperation/UF FIBER Partnership:** Will be working with Resilient Housing class. Meeting with Planning 9/9
- **Local Mitigation Strategy:** No update.

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## Sustainability Board

- **Next meeting:** Sept 9
- **SAB Goals (Updated Priorities:**
  - 1) Less Cars on the Road:
    - a) Free & Frequent Buses: Helping with new On Demand model. Setting up meeting with South Florida Commuter Services.
    - b) Create Revenue Source for Transit FY23
      - Infotainment passed on CC agenda for 8/3.
    - c) Continue to Implement Bike Ped Master Plan. On hold for new position.
      - Need advertising \$\$ for position in FY22.
    - d) Other:
      - **TCT/TAF:** Next mtg: 9/22: Goals, Transit on Demand
        - Last Meeting: TAF FY22, Goals
      - **Florida Keys Transportation Coordination Committee: Meets 9/3.** Will ask for research Gas Tax options for funding.
      - **FDOT TAP Grant:** Working on CRA and Section 4(fs). 60% drawing samples received, Kickoff meeting with CRA subcontractor SEARCH. 7/21.
  - 2) Reduce Waste Stream:
    - a) Renegotiate/Bid New Solid Waste Management Contract
      - SAB Submitted letter supporting going out for bid after July 31<sup>st</sup>.
      - Contract discussions going back to City Commission.
      - Mandatory Commercial Recycling of 2 items.
      - Pilot Pay as You Throw Program
      - Seek New Uses for Glass
    - b) Continue to Evaluate Mt. Trashmore
      - Utilities Consultant presented WQ sampling findings at SAB 8/12.
      - Considering more sampling in nearshore waters. Need to design.
    - c) Other
      - JP held Keyswide meeting into solid waste options 12/10. Data are being gathered for a feasibility study for WTE. May render all other goals moot.
  - 3) Adapt and Mitigate for Climate Change
    - a) Hire Adaptation Coordinator / Energy Manager. Provided draft JD 8/27.
    - b) Begin Adaptation Master Plan: Completed Planning Timeline. Finishing RFQ and agreements.
    - c) Address Stormwater
      - Increase Cistern Use: City Hall Cistern upgrade almost complete.

- 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
  - Revise Stormwater Ordinances: Stormwater Master Plan, Phase 3 in FY22.
- d) Increase Environmental Protection
- 10 Year Energy Plan (in budget for FY22)
  - Inventory Fossil Fuel Use (Annual report)
  - Increase Tree Plantings (In Transportation Goals)
  - Reduce/Eliminate 2 stroke engine use
  - Outreach program on sustainable yard maintenance
  - Remove iguanas by all means possible
- e) Other:

### 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.

### Energy

FY22 Budget includes 50/50 Energy Manager/Adaptation staff and 10 Year Energy Plan.

- 1) Change all Street Lights to LEDs
  - Have \$100K in FY22 Budget for Phase 1.
  - Preliminary partnership talks with KES involve them surplusing remaining non-LED bulbs, purchasing necessary replacement bulbs and City paying for labor. Estimates provided, need to draw up potential plans.
- 2) Partner with Keys Energy to develop an energy plan
  - Have asked KES to partner with us on Street Lighting to meet their Sustainability Goals.
- 3) KES will be held 2 EV workshops in May 18 and June 8
  - May 18: Good basic info on different models.
  - June 8: KES doesn't want to lead, but recognizes they will be affected and need to prepare.

### Higgins

#### **Other**

- **Regular Interns:** Done.
- **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
- **Florida Keys National Marine Sanctuary Restoration Blueprint:** Many funding opportunities in the Environmental Protection Realm. Will lineup with Env Protection Strategic Plan. The College of the Florida Keys is applying to EPA to do WQ surveys post cruise ships. Mayor wrote letter of support. Revised Blueprint coming out soon.
- **Water Quality Protection Program:** Meeting July 23<sup>rd</sup>.
- **Compact:** Approved Annual Workplan and Legislative Priorities. Great updates on new executive orders and Agency programs that should bring many grants.
- **Outreach:** News reporter interview on SLR 8/25.

#### **No Movement:**

- **Sunscreen:** Samples were taken over the summer of local waters.
- **GM Mosquitos:** Passed. Mosquitos released.
- **Florida Keys Green Business Certification:** Included in Strategic Plan.
- **FEMA Flood Maps:** No updates.

- **Greenhouse Gases** – Compact grant: No updates.
- **Mt Trashmore –Revising sampling based on** Utilities report on water quality testing. Slowly working towards next report: passive uses and methane recapture.
- **Special Events Application:** Some parts missing, need to follow up.