

Sustainability Report January 2021

Adaptation Grants

- **Seagrant:Elevating Houses: (\$28.5K)** Setting up interviews. Meeting with Florida Keys Contractors Association to put together a class in March. s. Presented to League of Women Voters in Dec, Presenting to KW Assoc of Realtors 1/20.

TIMELINE	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Interview & Publish Flyers									
4 webinars									
Advisor Help									
Buyers Coop									
Final Report & Closeout									30-Jul

- **FDEO CPTA:** \$44k for Post Disaster Recovery and Reconstruction Plan w Comp Plan amendments Stakeholder Workshop set for Friday, Jan 15, from 10-12. Save the Dates sent 12/16, Agenda will be sent 1/8. Draft materials will be received 1/11.

TIMELINE	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Technical Memorandum		early	29-Jan						
Stakeholder Webinar		mid	29-Jan						
Draft Plan					early	1-Apr			
Webinar					mid	1-Apr			
Revised Plan						1-Apr			
Draft Comp Amendments					#####				
Planning Board						18-Apr			
City Commission #1 & 2							11 & 25-May		
Close Out							28-May	30-Jun	

- **FDEP Florida Resilient Coastlines Grant** Submitted Oct 9 for \$75K Resubmitted 1 application for the historical module/Chapter.
- **FDACS Wastewater Treatment Plant Energy Program.** Applied 10/29 for \$500K for Aeration System upgrades. Emailed requested follow up info on 12/21.
- **Irma CDBG-MIT:**
 - **General Planning.** Submitted 7/30. Presented on 9/25 & 28. Got good marks, "top of heap", few questions. Emailed requested follow up info on 10/16.
 - Monroe County Regional Vulnerability Plan: \$2.5M. Submitted by County
 - Key West Adaptation and Resiliency Plan: \$500k.
 - Duval Street Economic Corridor Resiliency Plan: \$500k.

General Infrastructure (\$150M/year for 3 years) 8 projects worth \$40,186,681
The Tide Valves project presented to FDEO at 2pm on 12/14 and is receiving a site visit on 2/5.

Fund	Score	Rank	Project Name (Lead)	Project Ask	Match %	Cash Match	In Kind
101	46.4	1	Kots (Albi)	\$ 2,751,157	16%	\$ 524,029	\$ 0
402	38.0	4	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 Expansion (Johnnie)	\$ 5,958,948	18%	\$ 1,319,200	\$ 0
101	33.8	9	Fire Station 3: Rebuild (Karen)	\$13,484,543	16%	\$ 2,568,485	\$ 0
402	30.4	10	Tide Valves and Outfall Improvements (Elizabeth)	\$ 3,545,656	46%	\$ 2,989,189	\$ 0
101	31.2	13	Emergency Management Resilience and Readiness (Karen)	\$ 2,530,064	16%	\$ 481,916	\$ 0
402	22.8	35	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 asked for additional documents for Harris/10th and the Force Main.

LMS	Original HMGP Grant	Project Title	Fed Ask
8	Irma	Force Main Relocation Project (Infrastructure Hardening)	\$ 3,563,054
9	Irma	Tide Valves and Outfall Improvements (Drainage)	\$ 3,703,832
30	Irma	Harris Ave / 10th Expanded Neighborhood (Drainage)	\$ 1,376,269
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

- **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. Johnnie Y.
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

- **IRMA HMGP:** 10 projects: \$13.5M. Secured an additional \$2.2M for Force Main by withdrawing underfunded Fire Station 3.
 - Quarterly Reports will be due mid January.

LMS	FL#	FEMA#	Status	Title	\$\$
8	223	501-R	Underway	Force Main Relocation Project	\$ 2,330,000 + 2,219,991
20	218	396-R	Comm Apprvd	Dennis Street and Venetia Street Outfall	\$ 1,309,459
9	220	231-R	Design Phase	Tide Valves and Outfall Improvements	\$ 4,658,082
25	222	493-R	Backup	Patricia Ashby Pump Station Well	\$ 150,000
13	219	451-R	Under Review	Wind-Retrofit(s) of Public Service Facilities	\$ 3,500,000
30	298	386-R	Contract recvd	Harris Ave / 10th Expanded Neighborhood	\$ 5,625,000
14	296	415-R	Withdrawn	Fire Station 3 - FEMA 361 Upgrades	\$ 2,219,991
15	221	492-R	Underway	Generators for Critical Facilities	\$ 278,000
16	297	441-R	Contract Approved.	Wind-Retrofit(s) of First Responder Facilities (Fire Station	\$ 650,000

*Three HMGP projects did not get into FY21 budget. Working with Finance to include.

- **FDEO Small Cities CDBG.** Prep for next year. Can be: Neighborhood Revitalization, Housing Rehabilitation, Commercial Revitalization or Economic Development.
- **Urban Forestry Grant:** ACM deferred – Prep for next year.
- **2020 Water Supply Plan Update:** Adopting Miami Dade County's Water Fixtures Guidelines as an addendum to our Building Code. Slated for SAB 1/14, Planning Board 1/21. Sent Final version to ACM/CM/Legal and FDEO for review 12/11 and reminded them of 1/8 deadline on 1/6.
- **Army Corps Coastal Storm Study.** Update to BOCC on 10/21 shows drastically reduced buyout category (95 in KW to 22 Keyswide). Still no decision on mandatory buyout waiver. Draft report released 6/26. www.saj.usace.army.mil/FloridaKeysCSRMFeasibilityStudy/. Met with ACOE to review elevation formulas and Voluntary buyout methodologies on 10/22 = Only 9 properties, all of which will probably be dropped because they are part of multi-family buildings
- **Adaptation Planning Team:** Next meeting: TBD: Need to include Ports!
 1. ACM Mtg 11/10: Presented to City Commission Jan 5. Well received.
 2. Met with Elisa 11/16 to format needs to inform Strategic Planning effort.
 3. **Last Meeting Recap:** 11/5: LMS New Activities homework, Post Disaster Recovery Plan homework.
 4. Met with Planning regarding Single Family zoning district, researching relaxing setbacks in order to increase accessory units as affordable housing.
- **Private Sector:**
- **University Cooperation:** Northeastern's Pre-Proposal to the NOAA Climate Grant was invited to submit a full proposal for their ""Collaborative Modeling the Benefits, Consequences, and Trade-offs of Mangroves and Seawalls for Coastal Communities". Deployed 14 high tide sensors on 11/6, in preparation for Hurricane ETA and Nov King Tides.
- **UF FIBER Partnership:** Waiting on grants.
- **Local Mitigation Strategy:** Accepted by FDEO. Scott Fraser will submit to City Commission to accept.

Sustainability Board

- **Next meeting:** January 14. Water Supply Plan. Fee Free Transit Discussion.
- **SAB Goals (Prioritized 3/12)**

1) Less Cars on Road: see Tim's report.

- Continue Transit Overhaul and support with 6 month fare free intro periods
 - Transit working on updated 10 year plan.
- Obtain Bike Friendly and Walk Friendly Certifications: Bike turned in. Walk due this week.
- Intern: Ecopass and Drivers Project. Want Grad Student: Had great meeting with USF/CUTR professors on 12/8. Have two students interested.
 - **TCT/TAF:** Next mtg: 1/27: Deeper dive into 10 Year Transportation Plan, Ecopass presentation. Final Parking Reform. Drivers Plan.
 - **Recap** 12/3 – Driver Issues, North Roosevelt & Planning View of 10 Year Transportation Plan,
 - Finished Sept \$130K up from original estimations, will revisit TAF projects accordingly.

Rank	Project	FY20	FY21
1	Bike Racks	\$45K	\$45K
2	Safety Improvements		\$50K
3	Stop Sign Study		\$20K
4	Traffic and Pedestrian Signal Upgrades	\$80K	
5	Infotainment on Lower Keys Shuttle		\$60K
6	EcoPass Pilot Study		\$5K
7	Freebie Swag	\$2K	\$5K
8	Cultural Assessment for Final Mile Grant		\$15K
NEW	Pedestrian Signal Upgrades		\$80K
NEW	Pedestrian Upgrades		\$225K
NEW	Wickers Trail		\$100K
NEW	FDOT Last Mile Assistance		\$150K?

- **Florida Keys Transportation Coordination Committee:**
- **FDOT TAP Grant:** Working on CRA and Section 4(fs). Meeting with FDOT Environmental 1/8.

2) Reduce Energy Use: Renewable Portfolio Standard

- Change all Street Lights to LEDs
 - Johnnie & Kelly working on street lighting.
- Partner with Keys Energy to develop an energy plan

The draft Ten Year Energy Plan got good reviews from City Commission. Timeline for completion set for April to City Commission. This month due: Skeleton of whole plan. (already behind schedule – met with Johnnie 1/7 to revise plans to get back on track)

3) Reduce Waste Stream:

- Mandatory Commercial Recycling
- Pilot Pay as You Throw Program
- Seek New Uses for Glass
- Other

- Assisting Extension Service with their seaweed compost grant.
- 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.

4) Green Building

- Adaptation Master Plan that includes residential solutions and stronger policies.
- Finish updating Land Development Regulations
- Solve stormwater and impermeability issues
- Other:
 - 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 Certificate of Occupancy process for all new residences.

Other

- **Sunscreen:**
- **Land Conservation:**
- **Regular Interns:** Prepping for Spring Break needs.
- **Transportation Intern:** "Transportation Research Assistant" has been approved and check has arrived. CUTR has identified a grad student to help with parking identification.
- **Healthy Living:** Assisting community group interested in creating community garden at the Senior Plaza housing. Group:find pricing and grant calendar. Aiming for annual meeting.
- **Florida Keys National Marine Sanctuary Restoration Blueprint:** Feb Mtg.
- **Compact:**
- **GM Mosquitos:** Passed. No releases til at least 2021.
- **Outreach:**

No Movement:

- **Florida Keys Green Business Certification:** Building into 2021 Energy Plan. Converting to Google Forms application.
- **FEMA Flood Maps:** 6/17 BOCC meeting: Consultants have found multiple issues with FEMA's methodologies that should help rates. Appeals period expected soon.
- **Greenhouse Gases** – Compact grant: Next meeting 1/29
- **Mt Trashmore** –Waiting on Utilities report on new water quality testing (1/11) and engineering report on what can be done on site. Working towards next report for City Commission: passive uses and methane recapture.
- **Special Events Application:** Met with Todd who is putting it all online!
- **Ocean Friendly Restaurants:** Met regarding fold in to FKGBC (above)
- **Florida Friendly Yard Designation:** Working on evaluation with Karen DeMaria. Want to certify City Hall.
- **VW Emission Settlement Grants.** 2nd Phase EV announced, we do not qualify.
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