

Adaptation Plan: Ranked Projects

Project ID	Score	Over Rank	Asset	Short Project Title/Description of Action	Project Description
24IN	2.85	1	Fire Station 3	Fire Station 3 Resilience Design & Hardening	Provide design guidance and implement a resilient station build/retrofit: elevated critical rooms, flood-resistant envelope, efficient HVAC, cool roof, and on-site water reuse.
7HS	2.675	2	Multi-Family Residences	Building Code Update for Fire Protection	Amend municipal code to require automatic fire sprinkler systems in multifamily residences. Upgrades will help mitigate fire risks associated with aging electrical systems exposed to flood-related moisture.
12HS	2.65	3	Hospitality Facilities	Increase Post Disaster Shelter Options	Increase the number of local hotels certified by FEMA as post-event non-congregate shelter options, expanding the City’s capacity to safely house residents after disasters.
1HS	2.575	4	Residential Properties	Housing Adaptation Funding Assistance	Develop a funding model that provides a range of financial tools, for both single- and multi-family resilience improvements. Deliver targeted outreach through the Educational Outreach Program Coordinator to help residents navigate available adaptation resources.
14EN	2.05	5	Large Commercial Properties	N. Roosevelt Corridor Stormwater & Shade Enhancement Project	Improve stormwater flow away from Major streets, add parking-lot shade trees, and expand canopy a reduce heat and runoff.
20IN	2.55	6	Stormwater Utility Fee Structure	Stormwater Tiers	Update the fee schedule to align with climate-driven needs and best practices; adopt ordinance changes; implement billing and public communications
23IN	2.55	7	Jose Marti Drive	Jose Marti Drive Elevation & Stormwater Improvements	Raise grades, improve inlets/outfalls, reduce redundant pavement, and add urban canopy per master plan.
6HS	2.5	8	City Owned Facilities	Upgrade City Owned Facilities to assist with Post Flood Events	Increase post-disaster response capacity by hardening and enhancing City-owned facilities to better serve residents following flood events. Coordinate with partner organizations to extend these improvements to non-City facilities, prioritizing VA-identified flood hot spots.

4IN	2.5	9	Emergency Medical – Urgent Care	Urgent Care Flood & Efficiency Resilience Upgrade (Verify)	Add flood walls/barriers, backflow preventers, elevate utilities, louver protection, white (cool) roof, and rainwater capture to keep urgent care operations functional in flood events and reduce utility costs
9EC	2.475	10	Housing and Nonresidential Structures	Wind and Flood Mitigation of Structures	Promote the wind and flood mitigation of structure; seek to achieve elevation and/or floodproofing of 5% of ACOE-identified structures annually.
14HE	2.475	11	Emergency Communications	Emergency Alert Outreach and Education	Increase participation in the County’s Emergency Alert system through targeted outreach, public-facing education campaigns, and partnerships with community organizations.
5PW	2.45	12	Potable Water Control Valve	Potable Water Control Valve hardening & electrical elevation	<ol style="list-style-type: none"> 1) Replace existing control valves with corrosion-resistant with seals 2) Elevate the control valve and piping onto elevated concrete pads 3) Implement a regular maint schedule to ensure valve function
21IN	2.45	13	City-Owned Buildings Inventory	Citywide Building Resilience Assessment Program	Conduct standardized surveys (flood, wind, energy/water), score facilities, identify upgrade packages, and load into an asset-management system for tracking.
5EN	2.275	14	Coastal and Marine Habitat (mangrove, tidal, seagrass, reef)	Key West Living Shoreline & Multi-Habitat Restoration Pilot	Living shoreline and habitat restoration study and planning. Pilot project to provide multi-habitat restoration and enhancement. Target NOAA Transformational Habitat Grant and similar funding. Conduct study of land use change and suitable habitats to inform priority restoration projects.
2HC	2.425	15	Historic District Documentation	Historic District Survey & Boundary Alignment Study (highest?)	Conduct additional architectural history survey and documentation within the historic district and align the local historic district boundary with the National Register of Historic Places (NRHP) boundary.
7PW	2.425	16	Sewer Network Structure	Sewer Network Hardening & Rehabilitation Program	<ol style="list-style-type: none"> 1) Install watertight access hatches. 2) Line/replace deteriorated manholes and include locking system. 3) Implement a routine inspection and maintenance program 4) Repair/replace WWTP network sewer pipes
11EN	2.4	17	S. Roosevelt (A1A) Seawalls	South Roosevelt Nature-Based Seawall Retrofit	Retrofit seawalls with wave-energy-dissipating features, mangrove planters, sediment-trapping mesh, and integrated seagrass support modules.
12EN	2.4	18	City of Key West Seawalls / Bulkheads / Barriers / Piers	Key West Shoreline Structures Condition Assessment	Conduct a citywide inventory and structural assessment of seawalls and barriers; rank sites for recapitalization and nature-based retrofits. (Could this be part of 5EN? One Coastal Plan?)

19IN	2.4	19	Key West Bight Ferry Terminal and Wastewater Pump Station	Ferry Terminal & Pump Station Backup Power Project	Size and install generators with automatic transfer switches for terminal cooling station and pump station continuity; fuel storage and safety controls; routine testing.
16EN	2.375	20	Coral Reef / Offshore Habitat	Key West Artificial Buffer Reef Initiative (Higher than Coral?)	Install reefs (real and artificial) to enhance habitat and act as wave-energy buffers; coordinate with FWC, NOAA, and Sanctuary partners.
15HC	2.35	21	Key West Diesel Plant/Electric Generating Plant	Key West Diesel Plant/Electric Generating Plant Brick & Masonry Building Stabilization Program	Stabilize historic brick and masonry structures to prevent deterioration and support long-term adaptive reuse and preservation.
1EC	2.35	22	Resilient Business Community	Business Resilience Training	Provide annual training in resilience to local business owners and managers; convey available resources, funding, etc. Partner with local business orgs (like Chamber, TDC).
16HE	2.35	23	Public Health	Health Facility Operational Continuity Assessment	Create a City-led coalition of healthcare partners to evaluate and strengthen the flood resilience of local health facilities, including backup power systems and continuity-of-operations procedures. Hold quarterly partner meetings and develop recommended training curricula as an appendix to the adaptation plan.
2PW	2.35	24	Low Pressure Sewer Pumps	Low Pressure Sewer Pumps Electrical Equipment Elevation Upgrade	Elevate the electrical components (control panel, float switches, disconnect switch, circuit breakers, transform-er, wiring and connectors) on a platform above the flood elevation.
4EC	2.35	25	Workforce	Workforce Transportation	Increase transportation offerings to bring workers onto and off island without additional cars - increase ridership by 10% annually.
3PW	2.35	26	Cathodic Protection & Control Systems	Corrosion-Resistant Cathodic & Controls Replacement	Replace cathodic systems and automated controls using corrosion-resistant materials.
15EN	2.35	27	Seagrass Habitat Beds	Key West Seagrass Restoration Program	Restore degraded seagrass areas using plantings, sediment capping where necessary, and long-term ecological monitoring.
6PW	2.35	28	Potable Water Facilities	Potable Water Facility Hardening & Critical Equipment Elevation	1) Install hurricane-rated windows and doors. 2) Elevate critical electrical components above DFE.
13EN	2.35	29	Seawall Engineering & Design Standards	Bio-Integrated Seawall Design Program	Incorporate nature-inspired and bio-available features (reef plates, planters, textured panels) into future seawall engineering specifications. (also in Infra?)