



# **APPENDIX E**

## **SUMMARY OF FUNDING ALTERNATIVES**



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## Punta Gorda Climate Adaptation Plan Addendum

### Summary of Funding Alternatives

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**Summary:** External funding support is an important component of the City's updated Plan in order to comprehensively develop and implement strategic adaptations to improve resiliency. Taylor Engineering has researched and compiled a comprehensive list of available funding sources and/or grant opportunities to assist the City in future implementation of the strategies outlined in the Plan. The list outlines funding sources and summarizes the type of funding, source, projected potential value, cost share details, application deadlines, and potential application requirements.

These funding opportunities are compiled, sorted and ranked in order of applicability to best fit the City's needs surrounding priority vulnerable focus areas and corresponding adaptation strategies. The list, consisting of 21 potential funding opportunities, reflects the most current data compiled at the time of delivery. Due to the ever-changing nature of grants and these type of funding opportunities, the client should investigate thoroughly any source they plan to pursue.

Grant Source	Grant Title	Website / Contact	Details	Funding Type	Potential Value	Cost Share Requirements	Deadlines	Application Requirements / Additional Details
FEMA	Hazard Mitigation Grant Program (HMGP)	<a href="https://www.fema.gov/hazard-mitigation-grant-program-guide-state/local-governments">https://www.fema.gov/hazard-mitigation-grant-program-guide-state/local-governments</a>	A Presidential Major Disaster Declaration provides for the availability of HMGP funds at the request of a state's Governor in eligible communities within a state, tribe, or territory.	Disaster Relief and Hazard Mitigation	\$35.333 billion	15% \$2 billion of estimated aggregate amounts of disaster assistance, 10% for between \$2 and \$10 billion, and up to 7.5% of \$10 and \$35.3 billion. For states with Enhanced Mitigation Plan up to 20% (not to exceed \$35.3 billion).	Must provide a Letter of Intent within 30 days after a disaster declaration	Must provide a Letter of Intent within 30 days after a disaster declaration
NOAA	Broad Announcement	<a href="https://coast.noaa.gov/funding/_pdf/NOAA-NFA-NFAPO-2018-2005418-NOAA-BAA-posted-09.30.2017.pdf">https://coast.noaa.gov/funding/_pdf/NOAA-NFA-NFAPO-2018-2005418-NOAA-BAA-posted-09.30.2017.pdf</a>	<p>FY2018 – FY2020 NOAA Broad Agency Announcement. The notice requests proposals for special projects and programs associated with NOAA's strategic plan and mission goals.</p> <p>This broad agency announcement is a mechanism to encourage research, education and outreach, innovative projects, or sponsorships that are not addressed through NOAA competitive discretionary programs. It is not a mechanism for awarding congressionally directed funds. Funding for potential projects in this notice is contingent upon the availability of Fiscal Year 2019 and Fiscal Year 2020 appropriations.</p>	Climate Adaptation and Mitigation	Determined on Project Basis	Determined on Project Basis	15-May-19	<a href="https://coast.noaa.gov/funding/_pdf/NOAA-NFA-NFAPO-2018-2005418-NOAA-BAA-posted-09.30.2017.pdf">https://coast.noaa.gov/funding/_pdf/NOAA-NFA-NFAPO-2018-2005418-NOAA-BAA-posted-09.30.2017.pdf</a>

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NFWF	National Coastal Resilience Fund for 2019	<a href="https://www.nfwf.org/coastalresilience/Pages/2019rfp.aspx">https://www.nfwf.org/coastalresilience/Pages/2019rfp.aspx</a>	The National Fish and Wildlife Foundation (NFWF) is pleased to announce the National Coastal Resilience Fund for 2019. NFWF will make investments to restore and strengthen natural systems so they can protect coastal communities from the impacts of storms, floods, and other natural hazards and enable them to recover more quickly, while also enhancing habitats for important fish and wildlife populations.	Coastal Resilience Projects	\$29 million to be awarded, with project awards ranging from \$125,000 to \$3 million	A minimum 1:1 non-federal match in cash or in-kind services is expected and strongly encouraged.	Ongoing	Go to <a href="http://easygrants.nfwf.org">easygrants.nfwf.org</a> to register in NFWF's Easygrants online system.
NFWF	Resilient Communities Program	<a href="https://www.nfwf.org/resilientcommunities/Pages/home.aspx">https://www.nfwf.org/resilientcommunities/Pages/home.aspx</a>	Wells Fargo and NFWF launched the Resilient Communities Program, designed to prepare for future environmental challenges by enhancing community capacity to plan and implement resiliency projects and improve the protections afforded by natural ecosystems by investing in green infrastructure and other measures.	Resilient Communities	Up to \$500,000	Projects that meet or exceed a 1:1 match ratio will be more competitive.	Ongoing, FY19 Pre-Proposal Due Date February 19, 2019	<a href="https://www.nfwf.org/resilientcommunities/Pages/2019rfp.aspx">https://www.nfwf.org/resilientcommunities/Pages/2019rfp.aspx</a>
SF	Hydrologic Sciences	<a href="https://nsv.funding/pgm_summ.jsp?pm_id=13684&amp;org=NSF">https://nsv.funding/pgm_summ.jsp?pm_id=13684&amp;org=NSF</a>	The Hydrologic Sciences Program focuses on the fluxes of water in the environment that constitute the water cycle as well as the mass and energy transport function of the water cycle. The Program supports the study of processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; the flow of water in soils and aquifers; and the transport of suspended, dissolved, and colloidal components.	Hydrological Sciences	Determined on Project Basis	Determined on Project Basis	Ongoing	Additional Contacts: Holly Barnard (hbarnard@nsf.gov) and Ingrid Padilla (ipadilla@nsf.gov)

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NSF	Environmental Sustainability	<a href="https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505549">https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505549</a>	The goal of the Environmental Sustainability program is to promote sustainable engineered systems that support human well-being and that are also compatible with sustaining natural (environmental) systems.	Environmental Engineering and Sustainability	Determined on Project Basis	Determined on Project Basis	Ongoing	Addition Contacts: Bruce Hamilton (bhamilton@nsf.gov) and Brandi L. Schottel (bschotte@nsf.gov)
NSF	Marine Geology and Geophysics	<a href="https://www.grants.gov/web/grants/view_opportunity.html?oppld=295449">https://www.grants.gov/web/grants/view_opportunity.html?oppld=295449</a>	The Program supports science that includes: Structure, composition, tectonics, and evolution of the oceanic lithosphere; Paleoceanography, paleoclimate, and sea level change; Submarine volcanology, petrology and geochemistry of the oceanic crust and upper mantle; Marine hydrogeology, seeps and gas hydrates, water-rock interaction, and hydrothermal vent and fluid formation and geochemistry; Geochemical indicators of life operating below the seafloor; Marine sedimentology and coastal processes, stratigraphy, sediment transport, and diagenesis; Mid-ocean ridge spreading, back-arc rifting, transform processes, and ocean island/seamount formation and evolution; Submarine components of subduction zone systems and passive margins; and Marine geohazards.	Geology and Geophysics of the Present Ocean Basins and Margins	Determined on Project Basis	Determined on Project Basis	Ongoing	NSF grants.gov support (grantsgovsupport@nsf.gov)

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NSF	Humans, Disasters, and The Build Environment	<a href="https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353">https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353</a>	The Humans, Disasters and the Built Environment (HDBE) program supports fundamental, multidisciplinary research on the interactions between humans and the built environment within and among communities exposed to natural, technological and other types of hazards and disasters.	Interactions Between Humans and the Built Environment	Determined on Project Basis	Determined on Project Basis	Ongoing	Additional Contact: Robin Dillon-Merrill (rdillonm@nsf.gov)
FDEP	Resilience Planning Grants FY 19-20	<a href="https://florida.dep.gov/fco/florida-resilient-coastlines-program/content/funding-opportunities">https://florida.dep.gov/fco/florida-resilient-coastlines-program/content/funding-opportunities</a>	The Florida Department of Environmental Protection, through the Florida Resilient Coastlines Program, will provide financial assistance aimed at preparing coastal Florida communities for current and future effects of rising sea levels, including coastal flooding, erosion and ecosystem changes.	Vulnerability Assessments, Adaptation Plans, Resiliency Plans	Up to \$75,000	N/A	Ongoing	Applications due to FRCP at Resilience@FloridaDEP.gov
FDEP	Adaptation Action Initiative Grants FY 19-20	<a href="https://florida.dep.gov/fco/florida-resilient-coastlines-program/content/funding-opportunities">https://florida.dep.gov/fco/florida-resilient-coastlines-program/content/funding-opportunities</a>	The Florida Department of Environmental Protection, in partnership with the Florida Department of Economic Opportunity and other agencies, will provide assistance to local governments to take action related to adaptation to current and future risks related to sea level rise, including coastal flooding, erosion and ecosystem changes.	Vulnerability Assessment, Adaptation Planning	Up to \$75,000	N/A	Ongoing	Applications due to FRCP at Resilience@FloridaDEP.gov
FDEP	Coastal Partnership Initiative (CPI) Grant Program	<a href="https://florida.dep.gov/rcp/fcmp/content/grants">https://florida.dep.gov/rcp/fcmp/content/grants</a>	The Coastal Partnership Initiative grant program was developed to promote the protection and effective management of Florida's coastal resources at the local level.	Resilient Communities, Public Access, Working Waterfronts, Coastal Stewardship	Up to \$60,000	Grant recipients are required to provide 100% (1 to 1) matching funds, which may be cash or in-kind	Opens Fall 2019	For more information contact Toni Clanton (Toni.R.Clanton@FloridaDEP.gov)

Grant Source	Grant Title	Website / Contact	Details	Funding Type	Potential Value	Cost Share Requirements	Deadlines	Application Requirements / Additional Details
FDEP	Florida Department of State Historic Structures Grant Program	<a href="https://dos.myflorida.com/historical/grants/">https://dos.myflorida.com/historical/grants/</a>	The Historic Preservation Grants Program allocates state funds appropriated by the Legislature and federal funds apportioned to the state by the U.S. Department of the Interior, National Park Service, for the preservation and protection of the state's historic and archaeological sites and properties.	Science and Technology and other Research and Development	Up to \$50,000	Match requirement: 1:1, unless waived, with a minimum cash match contribution of 25%	Opens April 1 and closes June 1, 2019	Applications will be accepted online at dosgrants.com and primary contact (DHRgrants@dos.myflorida.com)
FDEP	Governor's Grants	Whitney.Gray@FloridaDEP.gov	FDEP has been allotted \$6 million in a governor's grant that is allocated to be spent on environmental projects (coral, adaptation planning, and implementation).	Development of resilient Florida Communities	Determined on Project Basis	Determined on Project Basis	Ongoing as of 4/2019	Contact Whitney Gray at FDEP for more information on specific requirements

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U.S. Dept. of the Treasury	Restore Act-Direct Component	<a href="https://www.treasury.gov/services/restoration/Pages/DirectComponent.aspx">https://www.treasury.gov/services/restoration/Pages/DirectComponent.aspx</a>	The Direct Component sets aside 35 percent of the penalties paid into the Trust Fund for eligible activities proposed by the States of Alabama, Mississippi, Texas, Louisiana and 20 Louisiana parishes, and 23 Florida counties. These activities include: Restoration and protection of the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches and coastal wetlands of the Gulf Coast Region; Mitigation of damage to fish, wildlife and natural resources; Implementation of a Federally approved marine, coastal, or comprehensive conservation management plan, including fisheries monitoring; Workforce development and job creation; Improvements to or on state parks located in coastal areas affected by the Deepwater Horizon oil spill; Infrastructure projects benefitting the economy or ecological resources, including port infrastructure; Coastal flood protection and related infrastructure; Planning assistance; Promotion of tourism in the Gulf Coast Region, including promotion of recreational fishing; Promotion of the consumption of seafood harvested from the Gulf Coast Region; and Administrative costs.	Gulf Coast Region	Dependent on the Trust Fund balance	No cost sharing or matching is required. Please note that federal grant requirements apply to the entire grant award, including both the federal and nonfederal funds.	Applications will be accepted on a rolling basis as long as funds are available in an Applicant's allocation. This funding opportunity announcement will close on August 30, 2019.	<a href="https://www.treasury.gov/services/restoration/Documents/FOAs/RESTORE%20Act%20Direct%20Component%20-%20Non-Construction%20Activities-9.pdf">https://www.treasury.gov/services/restoration/Documents/FOAs/RESTORE%20Act%20Direct%20Component%20-%20Non-Construction%20Activities-9.pdf</a>



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U.S. Dept of the Treasury	Centers of Excellence Research Grants Program	<a href="https://www.treasury.gov/services/restoration/Pages/COE/Centers-of-Excellence.aspx">https://www.treasury.gov/services/restoration/Pages/COE/Centers-of-Excellence.aspx</a>	Coastal and deltaic sustainability, restoration, and protection, including solutions and technology that allow citizens to live in a safe and sustainable manner in a coastal delta in the Gulf Coast Region; Coastal fisheries and wildlife ecosystem research and monitoring in the Gulf Coast Region; Funded projects to include: Offshore energy development, including research and technology to improve the sustainable and safe development of energy resources in the Gulf of Mexico; Sustainable and resilient growth, economic and commercial development in the Gulf Coast Region; and Comprehensive observation, monitoring, and mapping of the Gulf of Mexico.	Gulf Coast Region	Dependent on the Trust Fund balance	No cost sharing or matching is required. Please note that federal grant requirements apply to the entire grant award, including both the federal and nonfederal funds.	Applications will be accepted on a rolling basis as long as funds are available in an Applicant's allocation. This funding opportunity announcement will close on August 30, 2019.	<a href="https://www.treasury.gov/services/restoration/act/Documents/FOAs/Rnd%2010%20-%20COE%20FOA%20GR-RCE-19-001%20-%20FINAL.pdf">https://www.treasury.gov/services/restoration/act/Documents/FOAs/Rnd%2010%20-%20COE%20FOA%20GR-RCE-19-001%20-%20FINAL.pdf</a>
VKRF	V. Kann Rasmussen Foundation Environmental Grants	<a href="http://www.vkrf.org/home">http://www.vkrf.org/home</a>	VKRF favors projects that: take stock of the scale of the environmental problems, use a systems approach to achieve change, link policy, advocacy, and practical solution, have international significance and perspective – even if US based are based on original thinking and creative ideas.	Environment	Determined on Project Basis	N/A	Ongoing	Program inquiries can be sent to Executive Director Irene Krarup (ikrarup@vkrf.org)

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FWS	Conserving Southeastern Coastal Communities	<a href="https://www.fws.gov/southeast/our-services/coastal-conservation/#types-of-projects-section">https://www.fws.gov/southeast/our-services/coastal-conservation/#types-of-projects-section</a>	The Southeast Region Coastal Program supports voluntary, proactive and cooperative projects in these areas, focusing efforts to restore and protect habitat for federal trust species. We provide technical expertise and financial assistance to: Private landowners and citizens; Native American tribes; Non-profit organizations; Municipal and local governments; Business and industry.	Coastal Conservation	Determined on Project Basis	Determined on Project Basis	Ongoing	<a href="https://www.fws.gov/southeast/our-services/coastal-conservation/#types-of-projects-section">https://www.fws.gov/southeast/our-services/coastal-conservation/#types-of-projects-section</a>
TKF	The Kresge Foundation	<a href="https://kresge.org/programs/environment">https://kresge.org/programs/environment</a>	TKF invests through three focus areas: Building capacity and commitment, strengthening the evidence base and developing tools, and transforming key urban systems.	Environment	Determined on Project Basis	Determined on Project Basis	Ongoing	<a href="https://kresge.org/opportunities">https://kresge.org/opportunities</a>
EPA	National Estuary Program Coastal Watersheds	<a href="https://www.epa.gov/nep/national-estuary-program-coastal-watersheds-request-applications-rfa">https://www.epa.gov/nep/national-estuary-program-coastal-watersheds-request-applications-rfa</a>	The U.S. Environmental Protection Agency (EPA) is soliciting applications from eligible applicants for the National Estuary Program (NEP) Coastal Watersheds Grant to support projects that address urgent and challenging issues that threaten the ecological and economic well-being of coastal and estuarine areas	Coastal Watershed	Up to \$4 million	EPA requires the applicant to provide a minimum 25% match of the total federal request	Currently closed, look for new request for proposal	<a href="https://www.epa.gov/sites/production/files/2018-11/documents/nep_coastal_watersheds_rfa.pdf">https://www.epa.gov/sites/production/files/2018-11/documents/nep_coastal_watersheds_rfa.pdf</a>
NRL	Naval Research Laboratory Broad Agency Announcement	<a href="https://www.nrl.navy.mil/doing-business/contracting-division/baa/current">https://www.nrl.navy.mil/doing-business/contracting-division/baa/current</a>	The Naval Research Laboratory (NRL) is the Navy's corporate laboratory. NRL conducts basic and applied research for the Navy in a variety of scientific and technical disciplines. The basic research program is driven by perceptions about future requirements of the Navy.	Science and Technology and other Research and Development	Determined on Project Basis	Determined on Project Basis	Ongoing	<a href="https://www.nrl.navy.mil/doing-business/contracting-division/baa/current">https://www.nrl.navy.mil/doing-business/contracting-division/baa/current</a>



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EDA	Economic Development Administration Disaster Supplemental	<a href="https://www.grants.gov/web/grants/view-opportunity.html?oppid=302953">https://www.grants.gov/web/grants/view-opportunity.html?oppid=302953</a>	The Economic Development Administration (EDA) has published the Disaster Supplemental Notice of Funding Opportunity (NOFO) making \$587 million available to eligible grantees in communities impacted by natural disasters.	Disaster Relief and Hazard Mitigation	Determined on Project Basis	Determined on Project Basis	Ongoing	<a href="https://www.eda.gov/funding-opportunities/">https://www.eda.gov/funding-opportunities/</a>