

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014 - 001	Restoring Bay County's Recreational Fishing Industry through Artificial Reef Construction and Monitoring	Allen Golden, P.E. Bay County BOCC Planning and Zoning Division baycountyfl.gov	A series of artificial reefs will be constructed of secondary use materials that are stable and durable, lasting at least 30 years. Reef construction materials were donated to Bay County and will be used to create essential fish habitat benefiting fishing, diving, and other tourism businesses. Reefs will be located in state waters approximately 3nm miles off the MB Miller County Pier and off Panama City Beach's Russell-Fields Pier. Near-shore reef locations also provide fuel and time savings.	1271
Bay PRP 2014 - 002	reclaimed water usage in Gulf Highlands Beach Resort (GHBR)	James a Beene GHBR Home Owner's Association ghbr.us.net	Current reclaimed water program curtails at RL Jackson Blvd. Desired project would extend the limits of such usage to Churchwell Beach Rd to include GHBR and possibly the Glades sub-division	60
Bay PRP 2014 - 003	Mexico Beach - Beach Restoration Feasibility Study	Kimberly Shoaf Mexico Beach Community Development Council www.mexicobeach.com	The 2.0-mile Mexico Beach shoreline has been eroding and is threatening upland structures and infrastructure. The first step in a process to successfully manage the shoreline is the proposed feasibility study, which will include a historic analysis and will conclude with a beach restoration strategy and plan. The shoreline has already been deemed "critically eroded" by the Florida DEP, and their recommendation is to conduct a "feasibility study to determine management options."	12
Bay PRP 2014 - 004	North Bay Wastewater Collection System Improvements	Paul Lackemacher Bay County Board of County Commissioners www.baycountyfl.gov	To place septic tanks in low lying, dense residential coastal area on centralized municipal wastewater collection and transmission system. Aged septic tanks fail to meet current health requirements. This component removes 220 septic tanks (0.055 MGD). At build out, the goal is to convert over 4,000 existing septic tanks (1 MGD) to the municipal wastewater system in the foreseeable future.	150

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Public Benefits

Economic	Environmental	Social
<p>Restoration of recreational fishing through artificial reef strategies provides new infrastructure proven through economic studies to benefit businesses and commerce associated with tourism. For every 1\$ invested in reef construction, Bay County receives a value of \$131.</p>	<p>The sea floor in NW Florida consists of sand and shell bottom occasionally interrupted by low-relief limestone ridges. Artificial reef materials create habitat building blocks providing high relief hard structure utilized by a variety of marine invertebrates and important reef fish species.</p>	<p>Fishing and diving activities on the Gulf Coast are family oriented. Multi-generation vacation experiences are enhanced by supporting these types of shared activities. Increasing the number of artificial reefs improves the opportunity to bring home a day's catch.</p>
<p>Local government would be able to reduce impact on wells to furnish tap water. Currently GHBR (approx 800 units) uses city water for lawns and landscape beds</p>	<p>use of reclaimed water is sound stewardship of scarce water resources</p>	<p>would result in more equitable distribution of reclaimed water resources. GHBR generates much and gets to share in none of the benefit</p>
<p>The erosion of the beach will threaten both upland structures and infrastructure. The erosion of the beach will also threaten tourism as the beach becomes unusable by residents and visitors. A beach restoration plan will ensure the beach provides adequate upland protection and recreational use.</p>	<p>The erosion of the beach is threatening coastal habitat used by many species, including endangered and threatened sea turtles, shorebirds, and beach mice, as well as vegetation. A beach restoration plan will ensure the coastal dune and beach habitat continue to be available to these species.</p>	<p>A beach restoration plan and project will ensure that both residents and visitors can continue to recreate on the beach and enjoy all that it has to offer. In addition, a project will provide upland protection to upland structures, both residential and commercial.</p>
<p>Establish residents on a municipal sewer system.</p>	<p>Septic tank removal will increase protection of Class I (potable water) and Class II (shell fish harvesting) water bodies that currently receive excessive levels of nutrient and bacteriological pollution.</p>	

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Artificial reef construction activities were halted during the Gulf Oil Spill, suspending much of the normal business associated with tourism, fishing, diving, and seafood industry. New reef projects were not seen as viable investments during this environmental and economic disaster.	5	9	Reefs will be located in state waters approximately 3nm miles off the MB Miller County Pier and off Panama City Beach's Russell-Fields Pier.	475,745	370,150	Pre-Deployment Permitting and Siting; Reef Material Deployment; One Year Post-Deployment Monitoring and Evaluation; Final Report and Website Development for Public
initial project development would result in extra jobs and expansion of infrastructure	3	4	East of RL Jackson Blvd to Churchwell Beach Rd	230,000	230,000	Installation of pipe to allow for reclamation of waste water for conversion to reclaimed water within the defined area
A beach restoration plan and project are key to coastal resiliency for the 2.0-mile Mexico Beach shoreline and will provide protection from hurricanes and sea level rise.	4	9	Feasibility study to include the 2.0-mile Mexico Beach shoreline, east of the Mexico Beach Inlet, from FDEP range monuments R-128 - R-138.	135,000	135,000	Funds will be used to conduct a feasibility study, including a beach survey, for beach restoration along the 2.0 mile Mexico Beach shoreline. The feasibility study will include shoreline and sediment budget analysis, desktop borrow area analysis, alternatives and preliminary beach restoration plan.
With their removal, the water quality of Deer Point Reservoir and St. Andrews Bay system will be greatly improved by reducing a potential nutrient (nitrogen) loading, with the initial (220 septic tanks), by 10,045 pounds per year and at build out in excess of 200,000 pounds per year.	4	9	Southport area in Bay County, FL.	2,500,000	1,500,000	The construction necessary to install infrastructure that will enable the removal or abandonment of approximately 220 septic tanks.

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		\$ available?	Match source? Secured?							
None anticipated	0-2	Yes	In-Kind funding associated with: material storage and staging; deployment of materials; and compensation of project coordinators	105,595	22	Yes	Florida State University - PC, University of FL Sea Grant			
	0-2									
With completion of this study, future funding will be sought from either RESTORE and/or the State of Florida's beach management funding assistance program in order to finalize a sand source and conduct the permitting and design for, and eventual construction of, a beach restoration project.	0-2									
n/a	0-2	Yes	Florida Department of Environmental Protection - State Revolving Fund Grant. Funds are secured.	1,000,000	30					

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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 005 Revised 10/17	County Road 388 Force Main	Paul Lackemacher Bay County Board of County Commissioners www.baycountyfl.gov	To decommission the River Camps package plant and divert flow (0.072 MGD) to the NB Wastewater Treatment Plant. Expanding capacity at the River Camps package plant in the impaired West Bay area would have a greater environmental impact on resources than diverting flow to an already constructed North Bay Wastewater Treatment Facility that has available capacity and the current ability to delivery reuse quality water that the River Camp's plant does not.	
Bay PRP 2014- 006	Bettering Bay through Environmental Science and Policy: Postsecondary partnership between Gulf Coast State College and Florida State University Panama City	Ginger Littleton FSU employee www.pc.fsu.edu	Both Gulf Coast State College and Florida State University Panama City will develop a plan of study that leads to either a Certificate in Environmental Science: Policy Option or to a Minor in Environmental Science and Policy. These courses of study will specifically focus on environmental and policy challenges to Bay County. Courses will include foundational content as well as environmental/economic and oceanographic study.	490953
Bay PRP 2014- 007	Dirt Road Stabilization - Southport Phase I	Ken Schnell BOCC www.baycountyfl.gov	Due to the numerous number of existing county maintained dirt roads, 3.3 miles of roads have been prioritized as Phase I and are those that are surrounded by North Bay and directly discharge to the bay. It is proposed to stabilize these existing dirt roads with hot mix asphalt and to create or modify the existing shoulder and drainage system. The roadside shoulders and drainage systems shall be sized to reduce erosion and shall be stabilized using sod, seeding and mulching.	1.8

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Economic	Environmental	Social
<p>The new force main will allow for additional growth and a positive economic impact in and around the the NWF regional airport and industrial park. Removal of River Camps Wastewater Treatment Package Plant would eliminate the need for the County to maintain an additional wastewater facility.</p>	<p>This project is part of a Master Planning effort to protect Class I (potable water) and Class II (shellfish harvesting) water ways and bayous with Advanced Wastewater Treatment methods and future reuse. Reducing nutrient (nitrogen) loading to waters by 2,628 pounds per year.</p>	
<p>RESTORE requires actions to maintain and improve our aquatic environment. Businesses will arise from this emphasis, and our labor force will need expertise to fully understand the economic impact of a healthy environment and the ability to develop policy that protects and sustains that environment.</p>	<p>As business is created focusing on the economic impact of a healthy environment, it will require local expertise grounded in the sciences and with the requirements needed to protect and provide for future challenges. This project will develop that expertise.</p>	<p>Knowledge is power. Gulf Coast and FSU PC will join together to create a cadre of leaders with the content background to sustain and to improve our environment and its impact on the economy. These institutions will create a social network of leaders who can lead for today and plan for tomorrow.</p>
<p>Improvement to County's roadway infrastructure.</p>	<p>The project would reduce sediments and pollutants discharge to North Bay. To estimate pollutant load reduction, the Grantee used the Watershed Management Model (WMM) water quality model approach with known EMC for dirt roads and paved roadways. Estimated 95% reduction in TSS and 88% in TP.</p>	

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The reuse water can be made available to customers at the same time which would result in further reducing development impacts to Deer Point Reservoir (potable water) and the Regional Water Treatment Plant.	3	9	Highway 388 - River Camps to Edwards Rd. in Southport	2,200,000	1,200,000	Install the necessary infrastructure to divert flow (0.072 MGD) to the Class 1 reliability NB Wastewater Treatment Plant and decommission the River Camps package plant.
A more environmentally literate society benefits all society, and with our economy tied so closely to the environment, the more people know, the better we all are and the better we can protect our precious resources.	2	3	Courses will be delivered at Gulf Coast State College and at FSU Panama City. Registration, coordination, recruitment and delivery of courses as well as evaluating student success and determining curricular modifications will be handled on these two campuses.	234,600	234,600	Funding will include Instructors for the content-specific courses and laboratories required for this program as well as equipment required for analysis and research within the program.
	2	4	The project is located in Southport. Phase I consists of existing Bay County owned dirt roads in the southern portion of Southport that discharge directly to North Bay.	1,870,000	1,700,000	The requested funds will be used to fund the project construction cost.

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n/a	0-2	Yes	Florida Department of Environmental Protection - State Revolving Fund Grant. Funds are secured.	1,000,000	35					
	3-6					Yes	Gulf Coast State College			
n/a	0-2	Yes	Matching funds would include in kind match funds from existing county staff to perform the design, permitting, letting, construction inspection and management of the project. These match funds are secured.	170,000	9					

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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014 - 008	Panama City Beach Sports Village - Phase 1: The Sporting Grounds (Rectangular Athletic Fields)	Dan Rowe Bay County Tourist Development Council www.visitpanamacitybeach.com	The Sporting Grounds will expand existing athletic facilities by adding eight (8) rectangular fields large enough to accommodate regulation-sized soccer fields. One (1) field will be upgraded to a Championship Field with expanded seating and other amenities suitable for tournament championships and other marquee games. This is a stand-alone phase of the larger Panama City Beach Sports Village Project.	60
Bay PRP 2014- 009	Panama City Beach Sports Village - Phase 2A: The Sporting Grounds (Softball)	Dan Rowe Bay County Tourist Development Council www.visitpanamacitybeach.com	The Sporting Grounds project will expand existing athletic facilities by adding five (5) softball fields with artificial turf infields and outfields. One (1) field will be upgraded to a Championship Field with expanded seating and other amenities suitable for tournament championships and other marquee games. This is a stand-alone phase of the larger Panama City Beach Sports Village Project.	30
Bay PRP 2014- 010	Panama City Beach Sports Village - Phase 2B: The Sporting Grounds (Baseball)	Dan Rowe Bay County Tourist Development Council www.visitpanamacitybeach.com	The Sporting Grounds project will expand existing athletic facilities by adding five (5) baseball fields with artificial turf infields and outfields. One (1) field will be upgraded to a Championship Field with expanded seating and other amenities suitable for tournament championships and other marquee games. This is a stand-alone phase of the larger Panama City Beach Sports Village Project.	40

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Public Benefits

Economic	Environmental	Social
<p>New fields will expand sporting event play outside PCB's peak season by attracting twenty (20) non-summer events such as soccer, lacrosse, rugby and other showcase events. New opportunities to increase year-round occupancy will yield a total incremental economic impact of \$13.0 million annually.</p>		<p>Recreation-related capital projects will not only enhance the visitor experience; they will foster a healthy/active lifestyle among local residents. Expanded facilities for non-baseball/softball events will increase visitation beyond Panama City Beach's traditional tourist season.</p>
<p>Additional fields will help maintain the current tournament base, attract new events and allow more teams to play in existing tournaments without displacing local league play. New opportunities to increase year-round occupancy will yield a total incremental economic impact of \$5.7 million annually.</p>		<p>Recreation-related capital projects will not only enhance the visitor experience; they will foster a healthy/active lifestyle among local residents. Expanded facilities will relieve field congestion and ensure local sports enthusiasts have ample opportunities and venues to pursue their activities.</p>
<p>Additional fields will help maintain the current tournament base, attract new events and allow more teams to play in existing tournaments without displacing local league play. New opportunities to increase year-round occupancy will yield a total incremental economic impact of \$11.5 million annually.</p>		<p>Recreation-related capital projects will not only enhance the visitor experience; they will foster a healthy/active lifestyle among local residents. Expanded facilities will relieve field congestion and ensure local sports enthusiasts have ample opportunities and venues to pursue their activities.</p>

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Sports-related tourism is seen as a major growth opportunity by other destinations which have begun to aggressively develop and market new venues. Expansion of Panama City Beach's existing facilities will allow the destination to maintain its market share and reputation as "the place to play."	3	8	The Bay County Tourist Development Council is exploring several potential sites within the greater Panama City Beach area) west of the Hathaway Bridge, south of the B.V. Buchanan Bridge and east of Phillips Inlet).	6,400,000	2,000,000	Funds will be used to construct one (1) artificial turf field and seven (7) grass fields, along with appropriate support infrastructure: seating, press box, restrooms, concession area, interior roadways and parking facilities. One of the fields will be developed as a "Championship" field.
Sports-related tourism is seen as a major growth opportunity by other destinations which have begun to aggressively develop and market new venues. Expansion of Panama City Beach's existing facilities will allow the destination to maintain its market share and reputation as "the place to play."	3	8	The Bay County Tourist Development Council is exploring several potential sites within the greater Panama City Beach area (west of the Hathaway Bridge, south of the B.V. Buchanan Bridge and east of Phillips Inlet).	8,000,000	2,000,000	Funds will be used to construct five (5) softball fields and appropriate support infrastructure: seating, dugouts, press box/scouting tower, restrooms, concession area, interior roadways and parking facilities. One (1) field will be developed as a "Championship" field.
Sports-related tourism is seen as a major growth opportunity by other destinations which have begun to aggressively develop and market new venues. Expansion of Panama City Beach's existing facilities will allow the destination to maintain its market share and reputation as "the place to play."	3	8	The Bay County Tourist Development Council is exploring several potential sites within the greater Panama City Beach area (west of the Hathaway Bridge, south of the B.V. Buchanan Bridge and east of Phillips Inlet).	11,000,000	2,000,000	Funds will be used to construct five (5) baseball fields and appropriate support infrastructure: seating, dugouts, press box/scouting tower, restrooms, concession area, interior roadways and parking facilities. One (1) field will be developed as a "Championship" field.

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Funding for capital improvements will come from monies held in reserve by the Bay County Tourist Development Council (TDC), state-level grants and corporate sponsorship.	0-2	Yes	Matching funds are available through the Bay County Tourist Development Council and potential grants from the State of Florida and national sports organizations. No matching funds have been requested or secured.	0	68.8	Yes	Bay County, City of Panama City Beach, private sector			
Funding for capital improvements will come from monies held in reserve by the Bay County Tourist Development Council (TDC), state-level grants and corporate sponsorship.	0-2	Yes	Matching funds are available through the Bay County Tourist Development Council and potential grants from the State of Florida and national sports organizations. No matching funds have been requested or secured.	0	75	Yes	Bay County, City of Panama City Beach, private sector			
Funding for capital improvements will come from monies held in reserve by the Bay County Tourist Development Council (TDC), state-level grants and corporate sponsorship.	0-2	Yes	Matching funds are available through the Bay County Tourist Development Council and potential grants from the State of Florida and national sports organizations. No matching funds have been requested or secured.	0	81.8	Yes	Bay County, City of Panama City Beach, private sector			

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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 011	City of Panama City Beach and Bay County Continuous Outfall Sediment Reduction Projects	Kelly Jenkins, P.E. City of Panama City Beach and Bay County	The purpose of this project is to restore, replace and enhance 15 continuous outfalls on Panama City Beach and Bay County. The project will include installation of baffle boxes at each of the locations. This will reduce sediment, debris, oil and nutrients discharging into the Gulf. The objective is to reduce sediment and debris discharge by 30 tons annually at each location and preserve and protect fish and marine life. This will also reduce bacteria levels for swimmers in the near shore area.	4000
Bay PRP 2014- 012	Construction of the Historic Starliner Wooden Coaster	Jenny & Teddy Meeks Miracle Strip Amusement Park www.miracle-strip.com	Rebuild the historic Starliner Wooden Coaster in its original home of PCB. Promote the coaster to both a national and international audience as well as complete ancillary items to the project not funded (landscaping, lighting, signage, restrooms, loading station).	3
Bay PRP 2014- 013	Oyster Reef Habitat Restoration in the Saint Andrew Bay	Katie Konchar Florida Fish and Wildlife Conservation Commission http://myfwc.com/	We propose an oyster reef restoration project in West Bay, where seagrass loss has been greatest within St. Andrew Bay. Oysters function in similar ecological and structural capacities as seagrass meadows. The placement of subtidal oyster reefs along the deep edge of historic seagrass beds will increase the oyster population, attenuate wave energy, improve water quality, reduce turbidity and erosion, enhance fisheries habitat, and create conditions more suitable for seagrass recolonization.	2.67
Bay PRP 2014- 014	Mexico Beach Pier Improvements	Al Cathey City of Mexico Beach, FL www.mexicobeachgov.com/g eneral.cfm	This project involves the demolition of the existing pier and the construction of a new pier. The new features will provide a wider pier with a larger fishing platform at the end of the pier. The project may include an intermittent platform at the appropriate point.	0.35

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Public Benefits

Economic	Environmental	Social
<p>Economic benefits will include job creation and stimulus to the local economy. It will enhance revenue from tourism, trade, and commerce associated with the improvements to the beach and Gulf. Economics will be enhanced by visitor experiences, higher occupancies at rental units and appraisal values.</p>	<p>The environmental benefit includes a reduction of sediment discharge of 900,000 lbs annually into the Gulf of Mexico. The nutrient removal system is a filtration mechanism that will reduce the nutrients and bacteria that are currently discharging into the Gulf of Mexico from each of the outfalls.</p>	<p>The social benefits of the sediment reduction project will include improved snorkeling, fishing, and swimming due to reduced turbidity and bacteria discharge into the near shore beach areas. In addition, the improved outfall systems will allow for additional public gathering areas on the beach.</p>
<p>Attract a national and international audience of tourists, theme park fans and coaster fanatics to the PCB area. These are potential customers that would otherwise not visit our destination were it not for the Starliner Coaster. Create 5 full-time and 10 part-time jobs.</p>	<p>The coaster will be built around a natural wetlands and dune lake perserving the ecosystem intact for future generations. Use reclaimed rainwater for irrigation and native plants for landscaping.</p>	<p>Provide a family-oriented community gathering place which offers entertainment to tourist and locals alike. Returning the oldest wooden roller coaster of the State of Florida to bring joy to many generations to come.</p>
<p>Once established, project reefs will serve as a source of oyster spat and, in the long term, will add to the harvestable reef acreage of St. Andrew Bay. The project will also provide nursery habitat to a variety of commercially and recreationally important fish species.</p>	<p>This project will create ~2.67 acres of oyster reef habitat in West Bay, which will in turn protect and promote the expansion of 200+ acres of degraded seagrass habitat. Seagrass and oyster reef habitats are critical for coastal fish nurseries and support a diversity of protected birds and wildlife.</p>	<p>Through public education and outreach efforts, this project is expected to reach over 150 people. Community volunteers will be engaged to participate in project implementation and monitoring. We also hope to engage students in evaluating the effectiveness of the restoration.</p>
<p>The Mexico Beach Pier is the only open Gulf fishing pier from Apalachicola to Panama City Beach. The Pier is a major contributor to the economic success of the city. This project encourages the citizens and fishers to enjoy all the natural resources of the sea.</p>	<p>This project protects and restores the publics right to the use and enjoyment of the Gulf's natural resources by providing and restoring access. It will also encourage resource restoration and protection by providing a safe and available access point to enjoy marine life.</p>	<p>Since this is the only open Gulf fishing pier between Apalachicola and Panama City Beach, this pier plays a vital role in attracting fishers and tourists. This project will encourage the citizens to utilize and enjoy the natural resources of the Gulf.</p>

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This project also proposes to extend the existing beach outfalls where applicable. In these cases, beach erosion will drastically be reduced. The turtle nesting area will be improved as the sweep area for the outfalls are reduced significantly.	4	10	The project includes 10 continuous outfalls in the City of Panama City Beach and 5 outfalls in Bay County. The locations are between Riviera Drive and R. Jackson Blvd. and are outfalls numbered B-132, B-130, B-123, B-122, B-119, B-116, B-112, B-106, B-97, B-88, B-78, B-71, B-55, B-52, and B-51.	16,850,000	1,100,000	The requested funds will be used to survey, design, and permit the outfall improvements at each of the 15 locations through the DEP and ACOE. In addition, the funds will be used to complete the construction plans for bidding out the projects as a group or in phases as funding may allocated.
The Starliner will be restored to PCB as a beacon for family-friendly fun and recreation, as it was previously for 40 years. It will be enjoyed by young and old for 40 years to come.	3	4	284 Powell Adams Rd, Panama City Beach, FL (northwest corner of property)	4,550,000	437,000	Funds will be used to complete ancillary items to the project not funded by the construction loan: landscaping, lighting, signage, restrooms, enlarge storm water ponds, drainage and safety fencing. Also to promote the coaster to both US and international tourists.
Project reefs will provide a natural barrier against coastal erosion and increase the long-term stability of the shoreline. This project also addresses regional water quality improvement programs (e.g., TMDL) goals by providing nutrient uptake by oysters, restored seagrass, and associated organisms.	3	8	The restoration site begins approximately 2 km south of the Gulf Intra-Coastal Waterway along the western shoreline of West Bay and continues south along the deep edge of historic seagrass cover for approximately 2.5 km.	1,578,000	1,475,000	Requested funds will be used for project engineering, barge rental and operation, water quality monitoring, vehicle and vessel maintenance, materials, equipment and supplies including oyster shell, coir fiber matting, and education and outreach supplies, and travel costs for the project manager.
The current condition of the pier is a deterrent to potential business from tourists and fishers. This project will restore the appearance of the dock and will encourage the tourists and fishers to take advantage of enjoying one of the Gulf's natural resources.	2	6	This project is located at the end of South 37th Street off of Highway 98 in Mexico Beach, Bay County, FL.	2,400,000	2,400,000	The requested funds will be used for the demolition of the existing pier and the construction of a new pier.

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		\$ available?	Match source?	Secured?							
The long term funding will be required to complete the project construction. The estimate construction schedule is 5 years from the date of completion of all permitting and construction plans preparation.	3-6						PCB with Bay County along with DEP and US Fish and Wildlife				
n/a	0-2										
	3-6	Yes	In-kind support will be pledged for FWC staff time, FWC vehicle and vessel usage, volunteer time, and partner contributions.	105,000	7	Yes	FDACS, UF-IFAS Sea Grant, SAB-RMA Bay Watch, St. Joe Co.	Yes	A proposal for funding through NFWF's Gulf Environmental Benefit Fund was submitted on 07/11/2014. We anticipate a decision by the end of November, 2014.		
	0-2										

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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 015	Mexico Beach Marina Improvements Phase II	Al Cathey City of Mexico Beach, FL www.mexicobeachgov.com/g eneral.cfm	The Mexico Beach Marina Improvements project is a fully engineered design and is ready for construction. The project will consist of seawall and bulkhead replacement, boarding docks, finger piers, additional and improved parking areas, and utility updates to water, power, lighting, and fish cleaning facilities. This project protects and restores the public's right to the use and enjoyment of the Gulf's natural resources by providing and restoring access.	4.29
Bay PRP 2014- 016	Bay County Master Plan and Capital Improvement Strategic Plan Update	Ken Schnell BOCC www.baycountyfl.gov	The Stormwater Master Plan and Stormwater Strategic Plan will update the previous plans done early in 1990. The plans will identify strategies for reducing adverse environmental impacts from stormwater runoff within the County. The master plan will serve as a tool for integrated planning and implementation process which will address 3 primary goals. Protection of County's surface waters from water quality degradation, protection of potable water supply and protection from severe flooding.	
Bay PRP 2014- 017	AMIkids Panama City Marine Institute Dock Repair	Ron Boyce AMIkids Panama City Marine Institute www.amikidspanamacity.org	Renovation of the plumbing, electrical, mechanical and structural components of the PCMI dock. The dock is used for storing boats which are used for community environmental service projects and recreational access to St. Andrews Bay and surrounding waters.	
Bay PRP 2014- 018	Construction of SR 79/Front Beach Road Segment 3 Redevelopment Project	Mario Gisbert City of Panama City Beach www.pcbgov.com	The SR 79/Front Beach Road Segment 3 Redevelopment Project consists of reconstruction of approximately .62 miles of SR 79 and .60 miles of Front Beach Road to provide for the addition of dedicated transit lanes as well as sidewalks, bicycle lanes, landscape, street-scape, relocation of all aerial utilities to underground and a drainage system that catches and treats all stormwater runoff to the most current standard of quality, eliminating beach erosion and any water contamination.	

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Public Benefits

Economic	Environmental	Social
<p>For over 60 years, the Mexico Beach Canal has been and remains a significant economic resource for the City. Upgrades to the canal infrastructure will give long term stability to a vital element of the community. Our canal system is a major economic catalyst in sustaining the future of Mexico Beach.</p>	<p>This project will aid in the mitigation of damage to fish and other aquatic life. The failing seawall is allowing sediment to pass through into the canal and into the gulf; each storm further deteriorates the marina and washes debris into the Gulf of Mexico. This project will promote a cleaner site.</p>	<p>By providing a stable marina and boating access; this project encourages people to utilize and enjoy all the natural resources of the area. Our ability to restore and protect our natural resources is increased as more interest is generated by tourists and residents of Mexico Beach.</p>
<p>The plans will address non structural alternatives such as best management practices, comprehensive plan and ordinance recommendation and operation and maintenance recommendation as well as priorities in structural improvements to provide a long term effectiveness in stormwater management.</p>	<p>The plan will provide guidance on the most effective and efficient ways to manage stormwater both non structural and structural in order to best protect our natural resources.</p>	<p>The plan will provide social benefit by providing stormwater guidance on a large scale for Unincorporated Bay County as a whole.</p>
<p>PCMI enhances the livability of Bay County by adding a unique alternative school. PCMI uses the dock to assist in the water safety of both triathlon events each year. PCMI service projects such as the artificial reef program contribute to the restoration and support of the estuary ecosystem.</p>	<p>PCMI uses the dock to perform environmental service projects such as water quality monitoring, coastal clean-up, fish population monitoring, coral monitoring, sea grass protection, shoreline restoration, sea bird nesting habitat projects and sea turtle nesting habitat protection.</p>	<p>PCMI serves youth and families from predominately under-served high poverty communities in Bay County which benefit from increased access to recreational and educational opportunities. The students perform community service environmental projects.</p>
<p>The project will facilitate the recovery of the local economy and is part of an innovative program that will transform the City of Panama City Beach into a unique model for modern urban design and development where multiple modes of transportation will be available along the beach front corridor.</p>	<p>This project will reconstruct the entire roadway to collect all stormwater that falls onto the road and sidewalk and direct it to two large stormwater treatment facilities where the water will be retained and treated effectively eliminating untreated stormwater outfall to the Gulf dunes.</p>	<p>This project is uniquely designed to address the community's transportation system needs and to sustain a vibrant and growing population and beach tourism industry and to accommodate present and future transportation needs. It will transform the City into a "Walkable Community".</p>

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
The support and contribution to our City from boaters and fishers cannot be overstated. The current condition of the marina is a deterrent to potential business from boaters and fishers. This project will restore the availability and quick access to the gulf through our canal.	4	10	Canal Parkway of Highway 98 in Mexico Beach, Bay County, FL.	1,914,279	1,131,279	The requested funds will be used for the new bulkhead, new boarding docks, finger piers, additional and improved parking, as well as utility updates to water, power, lighting, and fish cleaning areas. The funds will also be used for construction and engineering costs.
	3	7	The project will encompass all of Unincorporated Bay County as a whole.	300,000	300,000	The requested funds will be used for the updating of the County's Stormwater Master Plan and Strategic Plan for Stormwater System.
PCMI uses the dock to support RMA, EPA, Florida State Parks, NFWS, River Watch, Lake Watch, REEF, Project Aware, Coral Watch, Turtle Watch, BSA, Sea Cadets, Bay District Schools, and even the Naval Support Activity.	7	11	222 East Beach Drive, Panama City Florida, 32401.	250,000	250,000	Replace pilings, stringers and deck boards. Replace two boat lifts. Replace and upgrade electrical system. Replace plumbing. Replace deck hardware. Replace Dock storage locker, security gate and entrance gazebo. Add security system.
The proposed undergrounding of existing aerial utilities will dramatically decrease susceptibility to storm damage that would result in extended power outage and subsequent economic losses from hurricane and other tropical season weather conditions.	3	7	The SR 79/Front Beach Road (US 98A/SR 30) Segment 3 Redevelopment Project is located in the City of Panama City Beach. The project includes improvements on SR 79 from Armstrong Circle to Front Beach Road and on Front Beach Road from SR 79 to Lullwater Lake Drive.	18,000,000	3,000,000	The requested funds will be used for right-of-way acquisition and stormwater drainage improvements.

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Long term funding needed? Source? Availability?	Est yrs completi on	Matching \$ available?	Match source? Secured?	Amount match secured	% proj cost from match	Partner s antici pated?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
	0-2	Yes	The City of Mexico Beach is the source of the matching funds and the match is secured through the use of cash by the City of Mexico Beach.	783,000	40.9					
n/a	0-2									
No long term funding is required. Future repairs will be funded by fund-raising from the local board of directors.	0-2									
Potential sources of funding for this project include, State funding, Tax Increment funding and grants.	3-6				83.3	Yes	Florida Department of Transportation			

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 019	Construction of Front Beach Road Segment 2 Redevelopment Project	Mario Gisbert City of Panama City Beach www.pcbgov.com	The Front Beach Road Segment 2 Redevelopment Project consists of reconstruction of approximately 1.1 miles of Front Beach Road to provide for the addition of dedicated transit lanes as well as sidewalks, bicycle lanes, landscape, street-scape, relocation of all aerial utilities to underground and a drainage system that catches and treats all stormwater runoff to the most current standard of quality, eliminating beach erosion and any water contamination.	
Bay PRP 2014- 020	Construction of Powell Adams Road Segment 2 Redevelopment Project	Mario Gisbert City of Panama City Beach www.pcbgov.com	The Powell Adams Road Segment 2 Redevelopment Project consists of reconstruction of approximately .31 miles of Powell Adams Road to provide for the addition of sidewalks, bicycle lanes, streetlights, landscape, street-scape, relocation of all aerial utilities to underground and a drainage system that catches and treats all stormwater runoff to the most current standard of quality, eliminating beach erosion and any water contamination.	
Bay PRP 2014- 021	The Board Walk at Lake Town Wharf	Floyd Miller Top Producer Realty	230 acre Gulf front Amusement Park, Aquarium, Resort, Shops and Eateries. The Ceder Point of the South the biggest tourist idea in Florida since Disney. Looking for funds to produce feasibility study, business plan, modeling and graphic art work.	230

**Bay County RESTORE Act Direct Component
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Public Benefits

Economic	Environmental	Social
<p>The project will facilitate the recovery of the local economy and is part of an innovative program that will transform the City of Panama City Beach into a unique model for modern urban design and development where multiple modes of transportation will be available along the beach front corridor.</p>	<p>This project will reconstruct the entire roadway to collect all stormwater that falls onto the road and sidewalk and direct it to two large stormwater treatment facilities where the water will be retained and treated effectively eliminating untreated stormwater outfall to the Gulf dunes.</p>	<p>This project is uniquely designed to address the community's transportation system needs and to sustain a vibrant and growing population and beach tourism industry and to accommodate present and future transportation needs. It will transform the City into a "Walkable Community".</p>
<p>The project will facilitate the recovery of the local economy and is part of an innovative program that will transform the City of Panama City Beach into a unique model for modern urban design and development where multiple modes of transportation will be available along the beach front corridor.</p>	<p>This project will reconstruct the entire roadway to collect all stormwater that falls onto the road and sidewalk and direct it to two large stormwater treatment facilities where the water will be retained and treated effectively eliminating untreated stormwater outfall to the Gulf dunes.</p>	<p>This project is uniquely designed to address the community's transportation system needs and to sustain a vibrant and growing population and beach tourism industry and to accommodate present and future transportation needs. It will transform the City into a "Walkable Community".</p>
<p>Facility to foster tourism, Create more traffic through Airport, Improve Wages, Create Jobs, Extend tourist season possibly be year round tourist community, Increase Tax Revenue, increase jobs and revenue of other businesses and extend longer into year. Increase yearly Tourist Guest for Bay County.</p>	<p>Project can help fund many programs the Restore Act is trying to help. possible a large educational Aquarium could be part of development.</p>	<p>Jobs, Work force education Better Wages, Higher yearly wages do to year round, entertainment and dining 7 days a week Promotion and Sale of local Gulf Fresh Seafood Cooperation with local gulf coast Captains and Charter Boats, Tradition for Tourist for years to come The Board Walk on Panama City Beach</p>

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
The proposed undergrounding of existing aerial utilities will dramatically decrease susceptibility to storm damage that would result in extended power outage and subsequent economic losses from hurricane and other tropical season weather conditions.	3	7	The Front Beach Road (US 98A/SR 30) Segment 2 Redevelopment Project is located in the City of Panama City Beach and begins at Richard Jackson Blvd and ends at South Thomas Drive.	13,000,000	3,000,000	The requested fund is 50% of the stormwater drainage system and utilities conversion. The PD&E Study, Final Design and right-of-way acquisition phases of the project were fully funded by the CRA funds.
The proposed undergrounding of existing aerial utilities will dramatically decrease susceptibility to storm damage that would result in extended power outage and subsequent economic losses from hurricane and other tropical season weather conditions.	3	7	The Powell Adams Road Segment 2 Redevelopment Project begins at Front Beach Road and ends at L C Hilton Drive.	5,000,000	2,500,000	The requested funds will be used for stormwater drainage improvements and undergrounding the utilities. The project final design & right-of-way acquisition are complete.
This project could be designed to bring attention to and help fund into the future many areas of the Restore Act, Similar to the bed tax a head tax for this amusement park, the act funds will bring Bay County a large return on this investment.	9	9	Signal Hill golf course, Gulf front property east of the Board Walk Condo, Koa camp ground, north lagoon vacant properties, properties west of Joan ave., front beach property across from Angelo's steak pit, 30 acre lot on Clarence north of front beach property and properties connecting to Moylan road	380,000,000	380,000	Feasibility study, Business plan, presentation modeling and graphic work, This is first step that will attract investors and is needed for bank loans and guaranteed federal, state loans

**Bay County RESTORE Act Direct Component
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Long term funding needed? Source? Availability?	Est yrs completi on	Matching \$ available?	Match source? Secured?	Amount match secured	% proj cost from match	Partner s antici pated?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
	0-2	Yes	The Front Beach Community Redevelopment Agency will provide the matching funds by using the Tax Increment Funding Revenue.	10,000,000	80					
	0-2	Yes	The Front Beach Community Redevelopment Agency will provide the matching funds by using the Tax Increment Funding Revenue.		50					
Best case a single investor, local funds combination private and government funds, this project will qualify for government job creation guaranteed loans , Bp funds this may qualify for, some communities have also sold municipal bonds for funding this type of project.	0-2									

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 022	Bay County East Pass Project Design and Permitting	Ken Schnell BOCC www.baycountyfl.gov	The proposed project is to re-open East Pass along the path of the historic channel linking St Andrew Bay and the Gulf of Mexico. Creating additional sand dunes with the spoil material to enhance habitat for the Choctawhatchee Beach Mouse and the create a barrier making it more difficult for predators to reach the mice on Shell Island. The additional beach will also enhance nesting habitat for endangered sea turtles and will make ideal habitat for the piping prower.	
Bay PRP 2014- 023	Laguna Beach Sanitary Sewer Project	Albert E Shortt City of Panama City Beach pcbgov.com	The project is to provide sanitary sewer service in older beach communities that predate the City municipal sewer system. In excess of 1,000 residential lots are within the Laguna Beach Sanitary Sewer project service area and homes are currently relying on septic tanks for sewer disposal. The area lies within a stormwater drainage basin that flows to dune lakes north of Front Beach Road (FBR), ultimately crossing FBR via drain pipes to the gulf beaches.	220
Bay PRP 2014- 024 Revised 11/3/20 14	Comprehensive Water Quality (Using Existing EPA Models) and Ecological Assessment Tool for Bay County's Estuarine and Nearshore Gulf Waters	Jan Mandrup-Poulsen Dynamic Solutions, LLC www.dsllc.com	The proposed Comprehensive Aquatic Systems Model will assist Bay County in its decision-making process when selecting and prioritizing watershed restoration projects funded under the RESTORE Act by allowing prospective impact assessments to be conducted. This tool will aid in the comprehensive, coordinated management of the watershed to restore, preserve and protect resources in a manner consistent with the goals of the St Andrew Bay SWIM Plan and the County's multi-year implementation plan.	142768

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Public Benefits

Economic	Environmental	Social
<p>The proposed project will benefit essential fish habitat which will result in benefits to commercial and recreational fishing.</p>	<p>Benefits include improved water quality and clarity for 4,000 or more acres of St Andrew Bay between Shell Island and Tyndall AFB which will benefit seagrasses in the area. The proposed project will also enhance habitat for an endangered beach mouse, sea turtles, and the piping plover.</p>	<p>Citizens and environmental organizations within Bay County have been petitioning the County for the continued support for reopening the East Pass. Clean water, improve fishing habitat are important social benefits to the residents of Bay County and many visitors to the area.</p>
<p>Short term jobs will be created during the construction project. This beach area has many lots that are currently too small to build a desirable size home including a septic system. After the sewer system is in place, the area will be more attractive for development and construction.</p>	<p>The area lies within a stormwater drainage basin that flows to dune lakes north of Front Beach Road (FBR), ultimately crossing FBR via drain pipes to the gulf beaches. Treated septic tank leachate from homes can work its way to the freshwater lakes and be discharged to the gulf.</p>	<p>The Laguna Beach area is in an excellent location close to the beach and local retail and business centers. Most home buyers now expect to have full municipal utility services when they purchase homes. Not having sewer service leaves approx.1,000 potential home sites in a less desirable situation.</p>
<p>Development of a Comprehensive Aquatic Systems Model (CASM) will provide Bay County staff with a cost-effective tool to assess the potential impacts of restoration projects contemplated throughout Bay County on estuarine/Gulf waters, which can be applied prior to making funding decisions.</p>	<p>The CASM tool will provide a means to assess the impacts of potential projects affecting the watershed at all levels of the food web, ranging from algae and seagrasses to commercial and recreational fisheries, including oysters, clams, shrimp, scallops, spotted seatrout, and red drum.</p>	<p>Utilization of the CASM will provide Bay County staff and affected stakeholders with a tool that will provide insights into the expected outcomes and impacts of proposed projects and give added confidence that Bay County's leaders are selecting projects providing the most "bang for the buck."</p>

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
	1	8	The project is located approximately seven miles east of the panama City Harbor Entrance Channel in the historical pass location between St Andrew Bay and the Gulf of Mexico.	1,000,000	1,000,000	The requested funds will be used for an environmental impact statement and inlet management plan which are required before design and permitting can begin in accordance with recommendation from the Army Corps of Engineers.
	3	5	An 220 acre residential area of unincorporated Bay County lying just west of the Panama City Beach limits, bounded by Panama City Beach Pkwy on the north and Front Beach Rd on the south, west of Deluna Place and east of George Wallace Blvd.	3,000,000	1,500,000	1. Perform surveys, engineering design for the entire project, 2. Acquire land for three sewer pump stations, 3. Construct the pump stations with sewer force mains to connect to PCB sewer system, 4. Construct primary sewer trunk lines for future extension to serve all residential lots in the area.
This project will leverage the work done by the US EPA in 2010 (setting a Total Maximum Daily Load for St Andrews Bay and its watershed). At considerable savings to Bay County and it RESTORE Act funds, the existing EPA LSPC/HSPF/WASP model will be used to provide input data to the CASM.	2	3	The Comprehensive Ecological Assessment Tool for Bay County's Surface Waters will address all of the major brackish and marine waters within the county (including West Bay, North Bay, East Bay, and St Andrew Bay) and the first three miles of off-shore coastal waters.	380,566	380,566	Will support DS staff tasked to gather, assess, and format site-specific existing water quality, hydrodynamic, meteorologic, and ecological (species-specific flora and fauna) data and information for Bay County waters, to calibrate/validate model, and provide technology transfer to Bay County staff.

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Long term funding needed? Source? Availability?	Est yrs completi on	Matching \$ available?	Match source? Secured?	Amount match secured	% proj cost from match	Partner s antici pated?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
The environmental impact statement and inlet management plan is phase i of the project with phase II engineering design and permitting estimate at \$2,000,000 and phase III construction estimated at \$15,500,000. At this time future funding has not been secured.	3-6					Yes	Tyndall Air Force Base			
City sewer impact fee collections and grants will be needed to expand the initial \$3 million sewer system project to provide service in front of every lot. The final cost for all phases of the project area is approximately \$7.5 million.	0-2	Yes		1,500,000	50					
N/A. This tool is being developed as a one-time effort to provide a foundational tool for Bay County planners and scientists to use in setting priorities, as well as assessing the expected outcomes and impacts on local water quality and significant fisheries in Bay County's waters.	0-2									

**Bay County RESTORE Act Direct Component
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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 025 Revised 11-3- 2014	Comprehensive Water Quality (with Updated EPA Models) and Ecological Assessment Tool for Bay County's Estuarine and Nearshore Gulf Waters	Jan Mandrup-Poulsen Dynamic Solutions, LLC www.dsllc.com	The proposed Water Quality and Ecological models will assist Bay County in its decision-making process when selecting and prioritizing watershed restoration projects funded under the RESTORE Act by allowing prospective impact assessments to be conducted. This tool will aid in the comprehensive, coordinated management of the watershed to restore, preserve and protect resources in a manner consistent with the goals of the St Andrew Bay SWIM Plan and the County's multi-year implementation plan.	142768
Bay PRP 2014- 026	Bay Technology Initiative	Neal Wade / Tom Neubauer Bay EDA / Bay Defense Alliance www.bayeda.com	Project will expand high speed data infrastructure to Bay County by installing conduit/fiber and hardware, which will result in economical, ultra high speed broadband connection that will enhance economic development while benefiting Bay County's military installations, education, healthcare and local governments. A final report for the project, as well as final plan and permitting from Bruce, Florida to Bay County users such as NSA PC, GCSC, FSUPC and Bay District Schools is complete.	
Bay PRP 2014- 027	Gulf World Marine Institute Marine Animal Stranding, Rehabilitation and Necropsy Facility	Ron Hardy, Gulf World Marine Institute, Inc. 501(c) 3 organization/ Gulf World Marine Park, Inc gulfworldmarineinstitute.org	Construction of a new facility to enhance and expand existing response and rehabilitation capabilities and new public education and research programs for stranded marine animals (turtles and mammals) and other marine life in Bay County and the eastern Gulf of Mexico.	1.3

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Public Benefits

Economic	Environmental	Social
<p>Development of a Comprehensive Aquatic Systems Model (CASM) will provide Bay County staff with a cost-effective tool to assess the potential impacts of restoration projects contemplated throughout Bay County on estuarine/Gulf waters, which can be applied prior to making funding decisions.</p>	<p>These tools will provide a means to assess the impacts of potential projects affecting the watershed at all levels of the food web, ranging from algae and seagrasses to commercial and recreational fisheries, including oysters, clams, shrimp, scallops, spotted seatrout, and red drum.</p>	<p>Utilization of WQ/CASM tools will provide Bay County staff and affected stakeholders with the ability to provide insights into the expected impacts and outcomes of proposed projects, thus giving added confidence that Bay County's leaders are selecting projects providing the most "bang for the buck."</p>
<p>In the new global economy, access to broadband has become as essential to community economic prosperity as electricity and roads. With every percentage point increase in broadband penetration, employment expands by nearly 300,000 jobs, resulting in innovation expansion and job creator expectations.</p>	<p>Broadband reduces our carbon footprint while promising substantial economic pay-offs. By including accessible, ultra-high speed Internet as an essential part of our energy plan, we build a green economy, greatly reduce energy use and greenhouse gas emissions, and spur green economic growth.</p>	<p>Equal economic opportunity and educational advancement will thrive as we develop our technological capabilities. As important as it is to our country to ensure access to what we think of as more traditional resources for our citizens, closing the digital divide strengthens the entire county.</p>
<p>Gulf World Marine Park, Inc (GWMP) has been providing marine entertainment and education programs to visitors of Bay County for generations. Over 125,000 visitors spent \$6.5 million last year, supporting 80 employees. Visitation, jobs and salary expected to significantly increase with new facility.</p>	<p>GWMP has been involved in marine animal recovery since 1970 and is considered a leading exhibit and rehabilitation facility in the nation, responding to cold stunned turtles and dolphins following BP spill (Unusual Mortality Events). New Center will allow expanded UME response and other programs.</p>	<p>New Rescue Center will provide 7,000 sq ft of science, research and education space, not just for sea turtles and marine mammals, but all marine life, particularly recreational and commercial fishery. Social benefits of better understanding and helping marine life is unmeasurable, but significant.</p>

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Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
<p>This project will leverage and build on the work done by US EPA (2010) setting a Total Maximum Daily Load for St Andrews Bay and its watershed. At considerable savings to Bay County and it RESTORE Act funds, the EPA's LSPC/HSPF/WASP model will be updated and used to provide input data to the CASM.</p>	2	3	<p>The Comprehensive Ecological Assessment Tool for Bay County's Surface Waters will address all of the major brackish and marine waters within the county (including West Bay, North Bay, East Bay, and St Andrew Bay) and the first three miles of off-shore coastal waters.</p>	448,420	448,420	<p>Will support DS staff tasked to update existing water quality/hydrodynamic models and gather ecological (species-specific flora and fauna) data and information for Bay County waters, to calibrate/validate models, and provide technology transfer to Bay County staff.</p>
<p>The educational advantage possible with high speed Internet has become indispensable to students preparing to enter the 21st Century workforce. This project will enhance every level of education from kindergarten through high school and college to graduate school.</p>	5	12	<p>Conduit/fiber connection at Bruce, Florida, east along Hwy. 20, south on Hwy. 79, east on Hwy. 98 to Tyndall Air Force Base with connection points available to WestBay, PCB, NSA< GCSC, FSU-PC, BayDistrict Schools, Hospitals, City of Panama City and future use by economic development initiatives.</p>	1,777,000	1,000,000	<p>Funds will be used in order to procure a contractor, complete construction as well as purchase hardware required for connections, as well as administration for the of first phase of construction along with final plan and permitting for future connectivity.</p>
<p>GWMP helped establish the 501(c)3 GW Marine Institute in 2012 to better focus and separate rehab efforts and apply for federal, state and foundation grants to support and expand efforts. Bay County RESTORE funding will allow us to leverage and match ROI to build/operate a World Class Rehab Facility.</p>	6	13	<p>15412 Front Beach Road, Panama City Beach, Florida</p>	2,821,000	750,000	<p>100% dedicated to construction of new Rescue Facility. Over \$1.6 million already received for equipment, supplies, land and some staffing. Remainder will be provided by other grants, including potential RESTORE, and private funding opportunities.</p>

**Bay County RESTORE Act Direct Component
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Long term funding needed? Source? Availability?	Est yrs completion	Matching \$ available?	Match source? Secured?	Amount match secured	% proj cost from match	Partner s anticipa ted?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
N/A. This tool is being developed as a one-time effort to provide a foundational tool for Bay County planners and scientists to use in setting priorities, as well as assessing the expected outcomes and impacts on local water quality and significant fisheries in Bay County's waters.	0-2									
	0-2	Yes	Funding will build upon the initial funding provided by Florida Defense Infrastructure Grant program that provided \$250,000 and the Florida Defense Support Task Force grant of \$500,000. Future leveraged funding contributions by local and private partners is anticipated.	750,000	40	Yes	FSU-PC, GCSC, Bay District Schools	Yes	Partners have committed to in-kind contributions.	
Continuing OMB costs and any improvements/ expansions would be the responsibility of the GWMI and other state, federal, private funding partners. Using the requested funds as match will allow leveraging and potential phasing of Center activities.	0-2	Yes	State, federal and local grant programs, other RESTORE related NFWF, NRDA, NOAA funding, NGO and private institutions related to marine research, education and rehab . Besides NFWF and some direct BP support for equipment and supplies, no match has been secured for the new Rescue Center.	1,026,000	50	Yes	NMFS, FWC, USFWS, U of F, Auburn, GWMI, local TDC/ EDC.			

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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 028	Porter Park Improvements 2014	City of Lynn Haven Panhandle Engineering, Inc, Chris Forehand, PE,VP cbf@panhandleengineering.com	The project consists of making improvements to Porter Park in Lynn Haven, FL. The planned improvements are to replace the boat ramps with correct slope ramps, extend the existing docks for boat staging, repair the existing dilapidated seawall to prevent erosion into North Bay, dredge the boat channel, add boat trailer parking, sidewalks for exercising, a 30'x60' event pavilion, community grill, additional parking with handicapped spaces, and a larger playground with lighting.	6
Bay PRP 2014- 029	Advanced Coastal Safety Marine Wildlife Warning System: a Pilot Program to place 3 to 5 Advanced Coastal Safety Marine Wildlife Warning Systems at key locations along Bay County Coastline	CBF Consulting Engineers, LLC Chris Forehand	Project includes the installation of the Advanced Coastal Safety Marine Wildlife Warning System. System is designed to Alert, Inform, and Direct (AID) the public and enhance the current Flag Warning System along Bay County Beaches. The system will provide state of the art tools to notify the public of changes in weather, surf, wildlife, and emergency conditions. Additionally, it provides the ability to make Public Announcements and the capability to observe the environment around each system.	32
Bay PRP 2014- 030	Sea Turtle Nesting and Beach Driving in Northwest Florida	Kennard Watson St Andrew Bay Resource Management Association www.turtlewatch.org	Primary objective is to assess the extent of beach driving on Panama City Beach during the sea turtle nesting season, and compare the data with the relatively undisturbed beaches at Tyndall AFB. Secondary objective is to assess the amount of recreational equipment left on the beach at night during the nesting season, and how this may negatively affect sea turtle reproduction and survival.	640
Bay PRP 2014- 031	Marine Turtle Protection in Bay County, FL	Kennard Watson St Andrew Bay Resource Management Association www.turtlewatch.org	The project will educate the public about sea turtles and improve sea turtle nesting habitat by reducing harmful effects of artificial lighting on Panama City Beach. The lighting improvements will focus on residential and street lighting, identified as the most important contributors to loggerhead hatchling disorientation incidents during the 2014 nesting season. The project also will educate beachfront property owners, tourists, and local agencies about the need to protect sea turtles.	640

**Bay County RESTORE Act Direct Component
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Public Benefits

Economic	Environmental	Social
<p>The economic benefit of the planned improvements are that the work will create several new jobs. This project will also attract tourists which will provide an economic benefit to Bay County and the Lynn Haven Community.</p>	<p>The environmental benefit of this project will prevent erosion into North Bay and provide stormwater treatment for existing impervious surface runoff into North Bay.</p>	<p>The social benefit of this project will allow more handicap access, provide for more public use of the park, provide improved boater access and allow more of the public to utilize and enjoy the water front of North Bay.</p>
<p>Audio Lighting Alert, Inc. (ALA) will add 7-10 new employees and 25 employees indirectly. ALA System will provide a key marketing strategy that PCB is one of the safest tourist destinations. System will provide instantaneous updates to the public (surf conditions, marine life, lost child, weather).</p>	<p>ALA system design uses Helical Piers, which are environmental friendly. Also, system camera will have the ability to monitor beach activity at night to include protected marine and wildlife habitat in the vicinity.</p>	<p>The ALA system when completed provides 26 miles of integrated monitoring and communications from the State Park to the West end of Bay County. System provides for instantaneous notification for first responders to Alert the public, Inform them of changing conditions, and Direct them to safety.</p>
	<p>Reduce impacts to nesting and hatchling sea turtles by reducing danger of vehicle-animal collisions, vehicle lights causing disorientation, tire ruts trapping hatchlings, and loss of nesting habitat due to items left on beach at night.</p>	
<p>Sea turtles benefit tourism during the summer months of peak visitation. Turtle Watch activities include nest excavations which are advertised on-line and draw many tourists during the May-Oct nesting season.</p>	<p>Sea turtle nesting habitat in Bay County will be improved by reducing artificial lighting of Gulf beaches through demonstration projects to improve street lighting, distribution of turtle-friendly lights for residential development, and educational efforts in the local media.</p>	

**Bay County RESTORE Act Direct Component
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Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
	9	12	The project is located at the South end of the Bailey Bridge on the East side of SR & in the City limits of Lynn Haven, Florida.	650,000	450,000	The requested funds will be used to replace the existing seawall and boat ramps with staging docks with boat trailer parking. Provide additional shelter, restroom facilities, benches, etc.
ALA system includes an Emergency Alert Button on each Pole allows the public immediate notification of an emergency and the location. Cameras could provide additional information to pass on to First Responders and verbal instructions could be given to beach patrons in the area.	4	8	ALA system Pilot Program, 3 to 5 systems would be strategically placed at high traffic areas to Beach goers; the City Pier, the County Pier, and high use beach areas. Additional systems could be positioned based on the historical data of most save attempts/drowning's as more funding is available.	5,400,000	475,000	Funds will be for a Pilot Project to install 3 to 5 ALA systems consisting of Pole, speaker, lights, camera, weather sensor, lightning detection system, emergency alert button, and control center (designated location of operator controls for system) equipment.
	1	3	Two areas consisting of 17.6 miles of Gulf beach between St Andrews State Park and Camp Helen State Park, and 17.7 miles of Gulf beach at Tyndall AFB	80,000	80,000	Observe vehicular activity at different locations and time periods, including daytime and nighttime, count the number, type and GPS location of recreational beach equipment left on the beach overnight, identify and survey the major user groups, use data to recommend new procedures.
	2	3	The project is located in Bay County and will focus on 17.6 miles of Gulf beach between St. Andrews State Park and Camp Helen State Park.	130,000	130,000	Funds will be used for for up to three street lighting demonstration projects, residential lighting projects (condos and single family), educational material for distribution to beachfront property owners, and a PSA on the lighting ordinance for local TV.

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Long term funding needed? Source? Availability?	Est yrs completion	Matching		Amount match secured	% proj cost from match	Partner s anticipa ted?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
		\$ available?	Match source? Secured?							
	0-2	Yes	The City is willing to contribute \$100,000 in this next year's budget for this park. Bay County Board of Commissioners have committed \$100,000 towards the project	200,000	30.7	Yes	Bay County			
Long term funding is needed to fund the entire 26 mile project. There have been very encouraging discussions with PCB, Bay County TDC, Bay County Board of County Commissioners, FL DEP, State and National Parks, NOAA, Congressman Steve Southerland, and Representative Jimmy Patronis.	0-2					Yes	Bay County TDC, BC Commission, PCB, FDEP, NOAA			
	3-6					Yes	Tyndall AFB (Gwendolyn Jones, Natural Resources Branch)	Yes	National Fish and Wildlife Foundation, submitted 2013, not selected	
	3-6					Yes	Gulf Power, PC Beach & Bay County Code Enforcement	Yes	NRDA Phase 2, Proposal B-20 (Marine Turtle Protection in Bay County, FL), submitted in 2012, decision date unknown.	

**Bay County RESTORE Act Direct Component
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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 032	St. Michaels Landing	Greg Chelius The Trust for Public Land tpl.org	The preservation of the 220 acre St. Michaels Landing project will provide a buffer to Tyndall Air Force Base thus protecting the \$618 million of economic impact to Bay County, enhance ecotourism and protect the natural environment of the Gulf of Mexico.	220
Bay PRP 2014- 033	Mid City Storm Water Project	Candis Harbison Bay County Conservancy, Inc. www.baycountyconservancy.org	Add 2.2 acres to existing 6.5 acre preserve and restore entire parcel to handle stormwater runoff from heavily travelled Highway 231 and Mall, and surrounding area. Wetland areas will allow US Fish & Wildlife to evaluate use for species of special concern. Allowing runoff to percolate cleans the water before it reaches the bay and restores the aquifer. After restoration, the parcel will handle enough additional runoff to prevent flooding in the area.	8.7
Bay PRP 2014- 034	East Bay Piney Point	Trey Evans Mitigation Resource Group, LLC www.mitigationcredits.com	Public access to East Bay and coastal restoration. The East Bay Piney Point project is 196.5 acres of wetland and upland flatwoods, and salt marsh, adjacent to seagrasses located in St. Andrew's / East Bay, Bay County, FL. The project will preserve the living shoreline of seagrass and saltmarsh through removal of permitted development rights on the property, implementation of a protective conservation easement, and restoration of onsite native communities.	196.5

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Public Benefits

Economic	Environmental	Social
<p>Buffering Tydall Air Force Base prevents residential encroachment that could lead to restrictions on the base mission and flying operations resulting in a reduction in the vibrant work force at Tyndall.</p>	<p>The acquisition of St. Michaels Landing will protect beach and near shore wildlife habitat, preserve dune systems and living shorelines including oyster reefs and seagrass beds. It will also improve estuarine habitat and water quality, reduce shoreline erosion, and increase coastal resilience.</p>	<p>The property could be developed and managed as a "Gulf front park and recreation area" that will serve the Bay County community, Tyndall AFB and the many tourists visiting the area to enjoy the Gulf. People can enjoy the social benefits of learning about the environment while recreating on the Gulf.</p>
<p>Prevents flooding. Cleans stormwater runoff before it carries pollutants to the bay.</p>	<p>Protects mid-city wetlands which have nearly been eliminated. Provides habitat for wildlife, possibly including species at risk. Serves as a carbon sink for reducing air pollution. Serves as a recharge area for the aquifer.</p>	<p>Provides green space for spiritual renewal. Provides a Preserve for use by the public for environmental education and recreation.</p>
<p>The East Bay Piney Point project would allow for public access to water resources, including recreational fishing, kayaking, and eco-tours.</p>	<p>The East Bay Piney Point project will preserve onsite ecosystems. The project will enhance native communities through implementation of a restoration plan to include prescribed burning, derelict crab trap removal program, and invasive/exotic species removal and maintenance.</p>	<p>The East Bay Piney Point project will contribute to the historic use of East Bay for water dependent activities such as fishing which has been part of the cultural fabric of Bay County for over 150 years. The project will allow access to 1.2 miles of East Bay shoreline where there is currently none.</p>

**Bay County RESTORE Act Direct Component
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Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
This property is a strategic acquisition because it experiences noise and vibration from Tyndall AFB. The property is located directly under the approach and departure clearance surface for Tyndall's main runways. It is also located 2.5 miles east of where test range #2 explosions take place.	1	11	Located on Highway 98 which bisects the property. It is directly on the Gulf of Mexico adjacent to the eastern boundary of Tyndall AFB and is short distance from the City of Mexico Beach and unincorporated Bay County.	4,500,000	4,500,000	Acquisition of the property.
	2	8	Highway 231 and 19th Street	350,000	350,000	Purchase 2.2 acres zoned commercial on Highway 231 and 19th Street. Price is \$325,000 or appraised value, whichever is less. Remainder used to remove exotics, divert water onto property and reintroduce crayfish if possible.
The East Bay Piney Point project will act as a buffer against coastal flooding, preserve the ability of east bay to buffer against climate change effects, and preserve the living shoreline of seagrasses and saltmarsh.	5	12	196.5 acres and 1.2 miles of shoreline abutting East Bay located 1.67 miles to the west of highway 2297 and 4.34 miles south of highway 22.	2,000,000	2,000,000	Acquisition of 196.5 acres of land, initial prescribed burning and mechanical reduction of woody vegetation, long term funding mechanism, light boat launch (kayaks, canoes), passive recreational facilities, signage and education.

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Long term funding needed? Source? Availability?	Est yrs completi on	Matching \$ available?	Match source? Secured?	Amount match secured	% proj cost from match	Partner s antici pated?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
	0-2	Yes	Tyndall AFB has requested funding from the Readiness Environmental Protection Integration (REPI) program.		50	Yes	Bay County, Tyndall AFB			
Bay County Conservancy will provide long term maintenance through its regular program of work.	0-2	Yes	Volunteer hours are available through Bay County Conservancy. Long-term maintenance will be provided. If suitable for species of special concern, federal and state wildlife agencies will fund habitat restoration. City of Panama City uses property to clean drainage ditch and may expand this use.			Yes	US Fish & Wildlife Service Florida FWCC City of Panama City			
Long term funding will be set aside from the initial funding amount.	3-6									

**Bay County RESTORE Act Direct Component
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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 035	St. Andrew Bay Water Quality Report Card	Linda Fitzhugh St. Andrew Bay Resource Management Assoc. www.sabrma.org	The St. Andrew Bay Resource Management Association proposes to create a report card for St. Andrew Bay. This report card would feature a water quality analysis of the bay similar to those completed for Chesapeake Bay. Information would be distributed to community leaders and it would be placed online for the public to see. Information would also be disseminated to officials from the NFWFMD, FDEP, FWCC, NOAA, USACE, and USFWS.	67000
Bay PRP 2014- 036	Shoreline mapping of St. Andrew Bay - how resilient are we?	Linda Fitzhugh St. Andrew Bay Resource Management Assoc. www.sabrma.org	Scientists and volunteers will map the shoreline of St. Andrew Bay to determine the percentage of shoreline that is eroded, bulkheaded, or vegetated. Teams will collect data by traveling within the bay by boat and using a drone to collect video. Teams will then ground truth the data to ensure its accuracy. Still photos and video will be taken of eroded shorelines. Features will be geo-referenced using GPS technology. Maps will be created that show eroded, vegetated, and bulkheaded shorelines.	67000

**Bay County RESTORE Act Direct Component
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Public Benefits

Economic	Environmental	Social
<p>Good water quality is essential to our livelihood. Not only does this support our local fishermen, but it supports real estate and tourism. Property values are higher in areas where good water quality exists. If a water body is degraded, then we can focus on that area for restoration.</p>	<p>Good water quality is essential to fisheries, recreational activities, and property values. By tracking how water quality changes over time, RMA will be able to identify areas in the bay where water quality has improved and where it has degraded. This information is necessary for proper management.</p>	<p>Tourists are attracted to this area because of our beautiful beaches and bay. St. Andrew Bay boasts some of the best shallow water fishing in the area; guides from Destin come here to fish the flats for redfish and sea trout. Tourists and residents rent boats and jet skis to explore the bay.</p>
<p>Coastal communities that are more resilient to changes in sea level and to flooding will be economically viable. By determining how much of the shoreline is eroded, community leaders will be able to identify areas that need restoration. Vegetated shorelines reduce flooding and damage to property.</p>	<p>Vegetated shorelines reduce flooding caused by storm surges, reduce erosion which enhances property values, and increases essential fish habitat. They also remove the pollutants that run off the land. By mapping St. Andrew Bay, we will know what areas need to be revegetated.</p>	<p>St. Andrew Bay supports some of the best shallow water fishing in the Panhandle. Guides from the region bring clients here to fish for sea trout and redfish. Birders marvel at the diversity of shorebirds in our bay, and people love to swim, boat, and water ski in these waters.</p>

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Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
<p>The St. Andrew Bay Resource Management Association is the only entity in this area that has been monitoring the water quality in St. Andrew Bay since 1990. Therefore, RMA is the only entity that already has the continuous data set that can be used for long-term water quality comparisons.</p>	4	10	<p>St. Andrew Bay is located in Bay County, Panama City, FL. It is almost 69,000 acres and is composed of West Bay, North Bay, St. Andrew Bay, and East Bay. RMA will create a report card for the bay by comparing water quality data in specific areas of the bay over time.</p>	75,000	60,000	<p>Funds will be used to hire a data manager to run the analysis. Funds will also be used to send samples for analysis, to purchase chemicals and boat gas, and to create a report card that can be disseminated to the public. The report card will also be placed on RMA's website.</p>
<p>Since the oil spill, everyone has been talking about restoration. But what areas need restoration? How will this restoration be monitored? By mapping St. Andrew Bay, RMA will help community leaders determine which areas need the most intervention.</p>	2	5	<p>St. Andrew Bay is located in Bay County, Panama City, FL. It is almost 69,000 acres and is composed of West Bay, North Bay, St. Andrew Bay, and East Bay. The team will map the shoreline of the entire bay including its bayous.</p>	250,000	200,000	<p>Funds will be used to hire people to map the shoreline, ground truth the data, and create a geo-referenced map. Information on the miles of eroded, bulkheaded, and vegetated shoreline will be placed on a website for community leaders and citizens to view.</p>

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Long term funding needed? Source? Availability?	Est yrs completion	Matching \$ available?	Match source? Secured?	Amount match secured	% proj cost from match	Partner s anticipa ted?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
Long term funding is not needed to complete this project.	0-2	Yes	The St. Andrew Bay RMA will donate the use of its boat. Scientists with RMA will oversee the project. UF Lakewatch will analyze some water samples for TN, TP, and chlorophyll. Volunteers will collect water samples and analyze them in the lab. Information will be loaded onto RMA's website.	15,000	20	Yes	UF, US Fish and Wildlife, NOAA, FDEP, FWCC, NFWFMD, USACE		N/A	
Long term funding is not needed.	3-6	Yes	The St. Andrew Bay RMA will donate the use of its boat and drone to map the shoreline. Scientists with RMA will oversee the project. Information will be loaded onto RMA's website.	50,000	20	Yes	US Fish and Wildlife, NOAA, FDEP, FWCC, NFWFMD, USACE, USGS		N/A	

**Bay County RESTORE Act Direct Component
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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 037	Project CAWS (Children as Watershed Stewards) Endowment	Linda Macbeth Science and Discovery Center of NW FL, Inc. scienceanddiscoverycenter.org	We propose to create an endowment for environmental education in Bay County for school aged children, especially as it pertains to the St. Andrew Bay Watershed. There is a critical ongoing need for effective, meaningful environmental education to combat the lack of knowledge about the geology and hydrology of our watershed and the creatures within.	661,120
Bay PRP 2014- 038	RESTORE Jobs	Dr. John R. Holdnak Gulf Coast State College www.gulfcoast.edu	RESTORE Jobs will create a 3D-modeling and manufacturing certificate program empowering Gulf Coast technology students, craftsman and employers to fabricate architectural and structural components in wood composites. RESTORE Jobs will provide trainees with the creative and fabrication technology skills necessary to respond to growing demands for custom and standard wood products, through the use of multi-axis, computer-controlled routers for manufacturing.	661120

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Public Benefits

Economic	Environmental	Social
<p>An education system with strong programs in science, technology, engineering and math has the potential to attract high tech industry and higher paying jobs to Bay County.</p>	<p>The endowment will provide the information and skills for Bay County students to promote natural resource stewardship and improve the science-based decision-making processes of tomorrow's leaders.</p>	<p>Education changes behavior. Teaching Bay County students, in some detail, about the St. Andrew Bay Watershed's unique ecological systems will change their level of involvement in environmental decisions, their interest in stewardship and their engagement in preservation efforts.</p>
<p>Answering the growing demand for skilled 3D modelers/fabricators, RESTORE Jobs will graduate a minimum of 60 technicians per year, each with average annual wages of \$42,000 and 3D products valued at a minimum of \$50,000 each, generating an estimated annual economic impact of \$5,520,000.</p>	<p>RESTORE Jobs will have a measurable environmental impact energy-efficient, precision fabrication which supports reductions in total materials (e.g., plastics or wood) used in manufacturing, re-purposing of existing wood products and support for sustainable forestry.</p>	<p>RESTORE Jobs social impact will be seen in its long-term response to the economic, educational and environmental needs of Bay County residents, as a venue for artistic and entrepreneurial creativity, and as a public/private partnership building sustainable collaborative ventures.</p>

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Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
<p>This endowment will allow planning assistance to integrate and strengthen environmental literacy processes and systems in Bay County as a key component to community resiliency.</p>		3	Bay County	1,000,000	1,000,000	<p>The Children as Watershed Stewards Endowment will provide an ongoing source of funding to provide meaningful watershed educational experiences and training to Bay County students and their teachers and families.</p>
<p>RESTORE Jobs will enable local entrepreneurs and small-to-large businesses to fabricate custom products for local consumption and for export to other parts of the US and internationally; and demonstrate the creativity and manufacturing capacities of Bay County.</p>	2	6	<p>Recruiting for RESTORE Jobs will be county-wide, with training activities (e.g., software, fabrication, etc.) at the Gulf Coast State College Advanced Technology Center, and experiential learning site visits to employers who are currently utilizing 3D modeling and manufacturing technologies.</p>	450,000	400,000	<p>RESTORE Jobs funding will be utilized to acquire necessary 3D computer modeling software, and 3D fabrication/manufacturing equipment (e.g., multi-axis computer controlled router and related tooling).</p>

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Long term funding needed? Source? Availability?	Est yrs completion	Matching			Amount match secured	% proj cost from match	Partner s antici pated?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
		\$ available?	Match source?	Secured?							
This endowment would allow the ongoing programs to be sustained into the future and no further funding would be requested.	7-10						NOAA, Bay District Schools		Funds have not been requested for the endowment. NOAA is currently funding first steps to develop curriculum to establish Project CAWS for grades K-3, and we have requested NOAA funding for grades 4 and 5 for next year. The endowment would allow Project CAWS to continue into the future.		
The RESTORE Jobs 3D-modeling and manufacturing certificate program will require long-term funding to address upgrades in modeling software and increased numbers of trainees. The College will seek additional funds through corporate sponsorships, Federal and State grants, and private donors.	0-2	Yes	Potential sources include: corporate sponsorships, Federal and State grants, and private donors. At this time no match has been secured.	0	11	Yes	Bay Building Industries Association Bay County Chamber of Co	Yes	Source - Gulf Coast State College Foundation, Requested - October 15, 2014, Anticipated decision - Yes, Date of decision - January 15, 2015		

**Bay County RESTORE Act Direct Component
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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 039	Seagrass Restoration and WQ Management in Grand Lagoon Estuary	John Dougherty Gannett Fleming, Inc. http://www.gannettfleming.com/	Phase 1- Engineering Design & Environmental Permitting to construct and operate a seawater intake/pump station to improve and manage lagoon water quality to support seagrass recovery for restoration of the Grand Lagoon and improve ecosystem and economic resiliency.	800
Bay PRP 2014- 040	Identifying the cause of beach swimming advisories in Bay County	Patrice Couch St. Andrew Bay Resource Management Assoc. www.sabrma.org	The St. Andrew Bay Resource Management Association (RMA) would like to identify why beaches in Bay County have frequent swimming advisories due to elevated fecal bacteria. RMA would like to conduct a study to identify the source of the bacteria at sites that have the most advisories. The results of the study would be disseminated to community leaders and the public to make informed decisions about how to correct the problem and reduce the number of advisories.	69000
Bay PRP 2014- 041	Carl Gray Park Boat Ramp	Chris Forehand Panhandle Engineering, Inc. www.panhandleengineering.com	The project consists of making improvements to the existing boat ramp. The planned improvements are to replace the boat ramp with the correct slope boat ramp. Install docks for boat staging and dredge the area at the ramp to remove sedimentation from the stormwater discharge pipe. The project will include a mitigation effort to install a stormwater basin to filter runoff and prevent future damage to St. Andrews Bay.	

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Public Benefits

Economic	Environmental	Social
<p>By restoring the seagrass and water quality in Grand Lagoon and providing active system management, the restoration project intends to achieve an annual ecosystem valuation of \$20,500 per acre or \$16.4 million annually (\$328 million over 20 years).</p>	<p>Grand Lagoon is/was an essential estuary/aquatic nursery habitat of the greater Gulf of Mexico ecosystem. Water Quality will be restored and maintained within the range ideal for seagrass recovery so estuary restoration to be achieved.</p>	<p>With restored lagoon WQ and seagrass habitat, increased and diversified aquatic species will lead to increased fishing and resource use by residents and tourists. Local businesses will benefit and property values will increase.</p>
<p>Healthy beaches are the backbone of our economy. Tourists will not want to visit Bay County if they become ill while swimming here. Water-dependent businesses and property value may suffer. RMA wants to identify sources of bacterial contamination in order to reduce the number of swimming advisories.</p>	<p>Fecal bacteria come from stormwater runoff, pets, wildlife, and human sewage. Beaches with high bacteria levels are unsafe for swimming and shellfish concentrate bacteria in their body tissues making them unfit for consumption. Identifying the source and removing fecal bacteria benefits everyone.</p>	<p>Tourists are attracted to this area because of our beautiful beaches and bay. Community leaders will be able to determine how to solve the bacteria problem once its source is identified. Better water quality will support tourism, recreation, business, property values, and our fisheries.</p>
<p>The economic benefit of the planned improvements are that the work will create several new jobs. This project will also attract more boating type tourists which will provide an economic benefit to Bay County and the City of Panama City.</p>	<p>The environmental benefit of this project will prevent erosion into St. Andrews Bay and provide a more defined boat launch area to prevent damage to sea grass beds and other natural resources.</p>	<p>The social benefit of this project will allow more handicap access, provide for more public use of the park, provide improved boater access and allow more of the public to utilize and enjoy the waterfront of St. Andrew Bay.</p>

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Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
The restoration project proposed for Grand Lagoon meets most of the goals and objectives of the RESTORE Act and those of the Bay County Commission.	8	16	Several parcels have been identified on the south and west side of Grand Lagoon for the proposed pump station. Site selection will be an element of Phase 1. The project location encompasses a 1000 sq ft area in the Gulf, a below-grade pipeline from the Gulf to the Lagoon and the 800 ac Lagoon.	25,000,000	1,800,000	Planning, site selection, engineering design, cost estimation, preparation of bid documents and permitting.
RMA will work with multi-agency partners to leverage resources and make science based decisions to identify the sites with the most advisories and most public health risks to target our efforts.	5	10	Carl Gray Park is one of the candidate sites located in St. Andrew Bay, Bay County, Panama City, FL. A second potential site is at the Dupont Bridge. These two sites have the greatest number of advisories. Final sites will be determined based on the most recent sample data and the number of users.	250,000	200,000	Funds will be used to hire a project manager to collect and analyze water samples for bacteria. Funds will be used to perform a stable isotope study to determine if the bacteria are associated with wastes from animals or humans. A report detailing the results of the study will be provided.
	9	12	The project is located at the East end of the Hathaway Bridge on the South side of US Hwy 98 in the City limits of Panama City, Florida.	600,000	500,000	The requested funds will be used to replace the existing boat ramp with staging docks, dredge the ramp loading area, and to construct a stormwater pond to prevent future erosion into St. Andrews Bay.

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Long term funding needed? Source? Availability?	Est yrs completion	Matching \$ available?	Match source? Secured?	Amount match secured	% proj cost from match	Partner s anticipa ted?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
RESTORE Act, NOAA-NRDA-BP Gulf Oil Spill settlement, Bay County and State of Florida. Availability will be requested through existing political leadership.	3-6	Yes	USEPA Estuary Restoration Program; Florida Department of Environmental Protection-CAMA Program, Florida Legislature, Bay County Commission. Matching funds have not been secured at the time of this proposal.	0	20	Yes	Friends of Grand Lagoon, Bay County Public Works, FDEP-CAMA	Yes	NOAA-NRDA Deepwater Horizon Gulf Oil Spill via the FDEP-request for proposals process. This program continues to evaluate resource damages as part of the settlement process that is ongoing in the US Federal Courts. Decision date is uncertain.	
Long term funding is not needed to complete this project.	3-6	Yes	The St. Andrew Bay RMA will donate the use of its boat. RMA scientists will oversee the project. RMA's lab will be used to calibrate data sondes and prepare for sample collection. RMA personnel will collect samples and data will be uploaded to STORET and shared with watershed stakeholders.	50,000	20	Yes	NWFWMD, FL Department of Health in Bay County, DACS, FL DEP		N/A	
All work will need to be completed simultaneously.	0-2	Yes	The City is willing to contribute \$100,000 in next years budget for this park and if funds are received from this program, they will amend their budget to match \$100,000.	100,000	17					

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Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 042	Restoration of St. Andrew Bay Submerged Grassbeds	BEST Inc./Friends of St. Andrew Bay 501(c)3 not-for-profit organization Under development	Restoration of St. Andrew Bay submerged grassbeds relating to existing and extensive, outboard motor propeller (prop) scarring of the Bay's submerged grassbeds. Project will entail restoration of approximately eight (8) acres of submerged grassbeds.	8
Bay PRP 2014- 043	Port Adventure	Linda Macbeth Science and Discovery Center of NW FL, Inc. scienceanddiscoverycenter.org	Port Adventure would be a series of interactive exhibits for school-age children showcasing Port Panama City and its partners as well as other high-tech industries in Bay County. Experiences will be highly engaging for children and adults.	13
Bay PRP 2014- 044	Economic analysis for project prioritization, water quality and habitat	Mark Buckley ECONorthwest www.econw.com	We propose an economic comparison and evaluation of the available approaches to water quality and habitat needs for Bay County, to identify those that can provide the highest, broadest, and longest-lasting suite of benefits to residents and visitors impacting the local economy. A 2009 study provides extensive biophysical and engineering data as a starting point to consider the needs and options, expanding to consider green infrastructure, low-impact development, and ecosystem services.	0
Bay PRP 2014- 045	Continued Development of FL Sea Grant's Web-Based Emerald Coast Anchorage Guide - Bay County for Boaters as Safe Harbors and Destinations	William (Bill) T. Mahan Jr. UF IFAS Bay County Extension Program http://bay.ifas.ufl.edu/ & http://anchorage.flsea	Area boaters depend on a transportation network comparable in many ways to a road system that services land-based vehicular traffic. The most obvious components are the interconnected navigation channels found in Bay County coastal waters and its interior waterways, that serve as a "road" network for boaters. Anchorages - often called the parking lots of the waterway transportation infrastructure - are an important component of the transportation network serving multiple purposes.	25

**Bay County RESTORE Act Direct Component
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Public Benefits

Economic	Environmental	Social
<p>This restoration project will ensure the sustainability of Bay County's economic interest in the recreational fishing industry and help us maintain our tourism.</p>	<p>This restoration project will improve the water quality of St. Andrew Bay. The Bay's grassbeds are one of its most important natural resources and essential to the good health of the marine ecosystem.</p>	<p>This restoration project will provide for the maintenance of natural resources and ecological balance for the St. Andrew Bay marine habitat.</p>
<p>Port Adventure will create another attraction for tourists and local residents while highlighting Port Panama City and their partners as well as other high-tech industries in Bay County. Port Adventure will provide an additional recreational and educational destination for tourists from the beaches</p>	<p>Applying the NOAA Ocean Literacy Principle that there is one big ocean, the exhibits will stress the interconnectedness of our Gulf to the waters of the world.</p>	<p>Exhibits will particularly focus on our relationship with other port cities around the world and a link will be made to our special relationship with Panama City, Panama. Port Adventure will engender interest in jobs related to our Gulf including fishing.</p>
<p>Identify and quantify benefits and impacts to locals and visitors of functional projects and programs that provide multiple benefits.</p>	<p>Identify stable and holistically-compatible suite of projects and programs to achieve multiple environmental benefits, including water quality and habitat.</p>	<p>Improve quality of life conditions and attractiveness to visitors and businesses through multiple-benefit restoration projects.</p>
<p>The National Marine Manufactures Assoc. estimated the annual economic impact of recreational boating in FL's Congressional District 2, including Bay County was \$493.1 million, supporting 182 businesses & 3,895 jobs (2013). The Anchorage Guide will promote boating & support industries in Bay Co</p>	<p>Bio-physical features i.e. – Seagrass beds, oyster reefs, critical habitats, fishing areas, will be added to the guide. Navigational aides, Clean Marina/marina locations & other features/services i.e. fuel, sewage pump-out stations. Additional information will help boaters protect the environment.</p>	<p>Issues related to anchoring have triggered some of the more contentious boating-related conflicts in FL during the last 25-years. GIS/GPS inventory and monitoring information can be used to identify anchorage management needs based on documented environmental damage, user conflicts & overcrowding.</p>

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
This restoration project will provide improved water quality for the marine ecosystem of the St. Andrew Bay.	8	12	This restoration project is located in the St. Andrew Bay focusing on the east end of Shell Island and the west end of Grand Lagoon by the shipping channel.	250,000	250,000	Purchase and contract out submerged grassbed restoration with grass plugs that will fill in the prop-scarred channels lying along the submerged bottom of the described area. The grass plugs will fill in the long, prop-scarred channels and will promote stabilization of the grassbeds.
Children will work in teams to manipulate cranes to load cargo onto barges and container ships in a port simulation exhibit. Related exhibits will allow children and adults using computer joy sticks and video displays to simulate docking ships and navigating out through the pass and much more.		4	Science and Discovery Center of NW FL, Inc.; 308 Airport Road, Panama City, FL 32405	250,000	250,000	Funds will be used to create the interior and exterior exhibits summarized above. We hope to have the opportunity to share photographs of similar exhibits and to further discuss the merits of this proposal.
Establish efficient projects and programs that encourage other support, funding, and maintenance contributions across the multiple beneficiaries.	5	22	Bay County as a whole.	40,000	40,000	Research, meetings, communication, outreach, and reporting
Representatives of the Emerald Coast boating industries, boaters and representatives of county, state and federal government/agencies will participate in the project. Continued development/refinement of the maps and database for Bay County anchorage inventory will aid resident and transient boaters.	3	8	Seventy-five anchorage sites have tentatively been identified in Bay County coastal waters (West Bay, North Bay, St. Andrews Bay & East Bay) including the Intra-coastal Waterway.	38,600	25,000	To partner with FSU/PC for boat time, equipment and boat personnel to survey 75 anchorage sites in Bay County. Contract with Website designer (http://www.dacingtree.com/index.php) to update and add new data layers to existing FL Sea Grant Webpage they designed. 10% administrative management costs.

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Long term funding needed? Source? Availability?	Est yrs completi on	Matching \$ available?	Match source? Secured?	Amount match secured	% proj cost from match	Partner s antici pated?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
This restoration project comprises the initial phase(s) and as such, no additional funding is presently anticipated.	0-2					Yes	Local NOAA Marine Fisheries (expertise and assistance)			
	0-2		We have had initial discussion with Port officials and others in related industries all of whom were supportive of this project but there is no dedicated funding at this time.			Yes	City of Panama City, Port Panama City			
	0-2					Yes	Phil Mount, local			
	0-2	Yes	In-kind partnering is available since my UF salary & benefits are paid by state and federal funds. In addition, I will be partnering with UF Boating & Waterway and FL Sea Grant faculty and staff to assist with the Bay County anchorage project.	13,600	35	Yes	FSU-PC (Zinszer); Bay County P&Z (Golden); UF-IFAS/Sea Grant			

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Proj #	Project Name	Project Proposer, affiliation, web site	Project Description	Proj. Size (acres)
Bay PRP 2014- 046	Fostering Business and Economic Growth Through Business Incubation	Andrew Levy Business Innovation Center (BIC) http://www.bicpc.com/	The BIC continues to have active interest from innovation-oriented and foothold companies. The BIC (10 clients, 4 in residence) has already exceeded capacity and recognizes the value of having multiple locations. Downtown Panama City is the urban environment clients' desire. Combining a downtown community-oriented with a successful campus-based location, the BIC will be positioned to service NW Florida's startup community. The BIC requires a grant of \$629,000.00 to fully fund its expansion.	661120
Bay PRP 2014- 047	Developing an App for FL Sea Grant's Web-Based Emerald Coast Anchorage Guide - Bay County for Boaters as Safe Harbors and Destinations	William (Bill) T. Mahan Jr. UF IFAS Bay County Extension Program http://anchorage.flseagrants.org/emerald-coast/	Developing a Cellphone/Tablet App for the Bay County section of the Emerald Coast Anchorage Guide	

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Public Benefits

Economic	Environmental	Social
<p>For every \$1 of public investment in an incubator there is a return on investment of \$30 in local tax revenue. There is increased likelihood of business success with 87% of incubator graduates staying in business and 85% of the incubator graduates staying in the community.</p>	<p>Limited only by the incubator's client base and mission of fledgling businesses/products developed to impact our local environment.</p>	<p>An example of a current client impacting social aspects: company developing system to modernize the booking of local charter fishing and hunting trips Bay County and surrounding areas, bringing people together with similar interests in outdoor activity.</p>
<p>Increasing numbers of local and transient boaters are cruising Florida's waterways looking for safe and less expensive alternatives for staying in an area as opposed to paying a fee to tie up in a marina. A down-loadable app will allow boaters to quickly locate local anchorages and marinas.</p>	<p>Local bio-physical features i.e. – Seagrass beds, oyster reefs, critical habitats, fishing areas, will be featured on the app. Information on navigational aides, marina locations & other features/services i.e. fuel, sewage pump-outs, will help boaters find services & protect the environment.</p>	<p>Issues related to anchoring have triggered some of the more contentious boating-related conflicts in FL during the last 25-years. The app will help boaters identify anchorage site characteristics, nearby services and potential user conflicts & overcrowding issues.</p>

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Other	# claimed RESTORE elig activities	# claimed MYIP obj	Project Location	Est total project cost	Amount requested	Describe what funds will be used for
Four separate clients/potential clients are "on hold" for requested BIC services. The current lack of space precludes service to companies with known job creation potential in tech and medical fields. Award of this grant allows these start-ups to bring jobs to Bay County.	2	3	97 Oak Ave in downtown Panama City, FL located in the former Social Security Admin. office. Building is well suited for conversion to incubation offices, most efficiently using avail. funding. Loc. selected for ease of access for potential clients/customer base.	629,000	629,000	Five year lease of up to 10,800 sq ft building with office, meeting and other support spaces. Will also cover start-up and monthly costs of internet, phone, utilities, insurance, furniture and modest marketing.
Representatives of the Emerald Coast boating industries, boaters and representatives of county, state and federal government/agencies will participate in the project. The app will aid resident & transient boaters with maps and information on Bay County anchorages.	2	5	Ground-truthed anchorage sites identified in Bay County coastal waters (West Bay, North Bay, St. Andrews Bay & East Bay) including the Intra-coastal Waterway.	57,000	50,180	Funds will be used to hire an app design firm to develop an Android app based on the information on Bay County anchorages listed in the FL Sea Grant Emerald Coast Anchorage Website. Significant savings can be achieved by hiring the firm that designed/constructed the original Website for FL Sea Grant
				528,314,210	45,811,195	

**Bay County RESTORE Act Direct Component
Pre-proposals November 4, 2014**

Long term funding needed? Source? Availability?	Est yrs completion	Matching			Amount match secured	% proj cost from match	Partner s anticipa ted?	Partner names	Funds request other source?	If yes, name source, decision date	Proj fully funded by other source?
		\$ available?	Match source?	Secured?							
The Business Innovations Center will continue to seek additional Federal, State, Local and private funding sources for long term service to the local community.	3-6		N/A			Yes	1) City of Panama City 2) Bay County Chamber & 3) Bay EDA		N/A		
	0-2	Yes	In-kind partnering is available since my UF salary & benefits are paid by state and federal funds. In addition, I will be partnering with UF Boating & Waterway and FL Sea Grant faculty and staff to assist with the App's development.	6,800	12	Yes	FSU-PC (Zinszer); Bay County P&Z (Golden); UF-IFAS/Sea Grant				
				16,874,995							