Data Collection Form

Part B : Quantitative Scoring Model
(To be completed for projects requesting more than $90,000)

Okaloosa RESTORE Advisory Committee

Approved by the Okaloosa RESTORE Advisory Committee: December 4, 2014
Okaloosa County, Florida

Part B: Quantitative Scoring Model (required for projects requesting over $90K)

ECONOMIC FACTORS

B.1 Economic Factor #1: Project Expenditures

In the "Expenditures" table, provide best estimates of the annual costs associated with the proposed project. Some projects, such as a simple land acquisition project, will only require a one-time purchase of a parcel of property with minimal maintenance costs thereafter. You may enter the estimated purchase price in Year 1. Other activities, such as the construction of a proposed recreation complex, may require the purchase of property, the purchase of equipment and funds for long-term maintenance. Please provide best estimates of these one-time and long-term costs for the first ten years of your project's life in the section below for each category that is applicable to your proposed project. If categories are not applicable to your project, please check the box indicated N/A beside each of categories that do not apply. For each expenditure entered, you will be required to describe and justify the expenditure in the section that follows. In the Expenditures section, you will note that there is an opportunity to estimate the total costs of servicing any debt that you may need to incur in order to execute the project. If you will be borrowing money to aid in the execution of the project, you will be asked later in the application to attach documentation demonstrating that you have the capacity to obtain the loan. For each expenditure entered, describe and justify the expenditure in the section that follows. Use current year dollars rounded to the nearest dollar.

("Expenditures" table is on next page)

Expenditures										
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Land Acquisition										
Total Estimated Costs of Acquiring Land	$ 30,000.00	$ 70,000.00	$	$	$	$	$	$	$	$
Construction										
Total Estimated Construction Costs	$ 150,000.00	$ 1,830,000.00	$ 1,340,000.00	$ 150,000.00	$	$	$	$	$	$
Equipment										
Total Estimated Equipment Purchases	$	$ 385,000.00	$ 125,000.00	$	$	$	$	$	$	$
Long-term Operational Expenses										
Labor Costs	$	$	$	$ 0.00	$ 0.00	$ 60,000.00	$ 60,000.00	$ 60,000.00	$ 60,000.00	$ 60,000.00
Utility Costs	$	$	$	$	$	$	$	$	$	$
Equipment Maintenance	$	$	$	$	$	$	$	$	$	$
Other Maintenance Costs	$	$	$	$	$	$	$	$	$	$
Debt Service	$	$	$	$	$	$	$	$	$	$
License Costs	$	$	$	$	$	$	$	$	$	$
Other Operational Costs (Please Specify type)	$	$	$	$	$	$	$	$	$	$
Other Operational Costs (Please Specify type)	$	$	$	$	$	$	$	$	$	$
Other Operational Costs (Please Specify type)	$	$	$	$	$	$	$	$	$	$
							Total Expenditures	$ 4,380,000.00		

B.1.1 "Expenditures" Table

B.1.2 Provide a description of the property to be purchased. (250 words max)

Property acquisition and cost will not be clearly defined until the final evaluation and preliminary design scope has been performed. Easement acquisition may be required for utility pipeline and structures to be located on Eglin AFB and State owned properties. In addition, due to limited plated public access rights of ways, private property easement and land acquisitions are anticipated and will be negotiated for either appraised use or established practices. Purchase of property will be by OCWS via current FDEP Grant Agreement.

B.1.3 Provide a justification for construction costs. (250 words max)

Estimating Methodology
The budgeted costs were estimated utilizing the experience of the County and its consultants with operating the County's and other utility systems. Construction cost estimates were based upon industry standard construction estimation practices and include the following assumptions:
• All costs were estimated in 2015 dollars.
• Quotes from equipment suppliers, specialty contractors and subcontractors, R.S. Means Cost Estimating data, Timberline cost estimating and previous experience and judgment were used to generate specific pricing.

Assumptions:
Pump Stations -Wetwell (fiberglass) w/12" concrete base slabs, submersible pump packages, PVC piping for 5HP and less, DIP for larger, control panel, dewatering
Force Mains-minimum cover (36"), PVC, environmental areas directional drilled, offsets every 700', 1 ARV at grade every 2000', dewatering
Gravity Mains- Assumed 8' trench depth, dewatering, 340' manhole spacing, and full 24' width of pavement repair.

B.1.4 Describe equipment over $5,000 per item to be purchased (Itemize). (250 words max)

All material procurement for this projected will purchased in accordance with Okaloosa County and State of Florida guidelines. Funding for all material items will be paid by previously obtained $2M FDEP Grant Agreement.

B.1.5 Describe and justify long-term operational expenses. (250 words max)

Operational cost are based on OCWS historical work orders for typical residential developments with multiple sewer pumping stations, and force mains. Cost include line locating cost; sewer cleaning; sewer service connections; pump station operations (power cost), fringe labor and equipment cost for OCWS and pipeline material cost.

B.1.6 Describe jobs created for the short term and long term along with the salary scales. (250 words max)

No long term jobs will be created from this project. Short term employment will be needed for underground utility and paving construction firms, septic tank abatement contractors, licensed plumbers and environmental testing services.

B.2 Economic Factor #2: Project Revenues

In the "Revenues" table, provide best estimates of the annual revenue generated by the project over the long term. Certain projects will generate revenue over the long term beyond the revenue acquired through the RESTORE process. For example, a proposed convention center built by RESTORE dollars might charge a fee to lease space to users, or a recreation facility may charge users to host events. If the project will generate sales/fee type revenues on an annual basis, please provide those revenue estimates on the sales line. If your project will require additional funds from government sources to ensure that it remains operational, please indicate those needs on the government contribution lines. (For example, a road constructed utilizing RESTORE dollars will need maintenance from city/county/state or federal government entities over time.) If your project will receive private contributions (donations, etc.) in order to meet long-term operational expenses, please indicate that on the donations line. If you are borrowing money in order to finance a portion of the project, please indicate the total value of the loan in the appropriate year(s). And finally, please estimate the total number of RESTORE dollars that you will need in each year to execute your project. (For example, a land acquisition would probably require all RESTORE dollars in the first project year. However, a construction project that stretches over a three year period would probably need only a fraction of the total project cost to execute the project in any given year.) If you are receiving matching funds from other sources to complete your project, those funds will be counted below. For example, if you are proposing a $2 million construction project and are asking for $1 million from RESTORE to match a $1 million donor pledge, you would enter $1 million from RESTORE in the appropriate year and $1 million in other private contributions in the appropriate year. Use current year dollars rounded to the nearest dollar.

("Revenues" table is on the next page.)

Revenues

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Estimated Annual Revenue (by Source)										
Total Revenue from RESTORE Grant	$ 500,000.00	$ 500,000.00	$ 500,000.00	$ 500,000.00	$	$	$	$	$	$
Total Revenue from City Government	$	$	$	$	$	$	$	$	$	$
Total Revenue from County Government	$	$	$	$	$	$	$	$	$	$
Total Revenue from State Government	$ 2,000,000.00	$	$	$	$	$	$	$	$	$
Total Sales Revenue (user fees, lease fees, product revenue, etc.)	$	$	$	$	$ 60,000.00	$ 60,000.00	$ 60,000.00	$ 60,000.00	$ 60,000.00	$ 60,000.00
Other Private Contributions (donations, private grants, etc.)	$	$	$	$	$	$	$	$	$	$
Loan	$	$	$	$	$	$	$	$	$	$
Other Revenue (please specify)	$	$	$	$	$	$	$	$	$	$
Other Revenue (please specify)	$	$	$	$	$	$	$	$	$	$
Total Revenues*	$ 2,500,000.00	$ 500,000.00	$ 500,000.00	$ 500,000.00	$ 60,000.00	$ 60,000.00	$ 60,000.00	$ 60,000.00	$ 60,000.00	$ 60,000.00
					Total Revenue			$ 4,360,000.00		

B.2.1 "Revenues" Table

B.2.2 Describe the type and nature of the sales revenues generated. (250 words max)

Funding for annual anticipated operation and maintenance cost will be received through user fees accessed against the residential sewer services for the 125 lots for this project. The fee is based on a readiness to serve fee of $20.01 plus $3.85 per 1000 gallons metered on a monthly basis. A typical residential home in these areas use approximately 6000 gallons a month.
ex. Estimated Monthly Revenue per Residence =$20.01 +(6 x $3.85)= $43.11
ex. Total Annual Revenue (120 Residence)= 125 x $43.11 x 12 =$64,665
Assuming a 93% Build out or Occupancy for these area use $60,000 per year

B.2.3 Describe and justify a local government contribution. (250 words max)

Okaloosa County does not have any additional funding sources available for this project. OCWS will utilize in-house staff to help mitigate non-construction related cost such as surveying, permitting fees, easement preparation, grant administration and overall project management. More importantly, OCWS will have correspondence with the public – formally, via Town Hall meetings, and informally, via individual lot owner coordination.

$2M – State Appropriated Funds administered through FDEP Small Community Wastewater Grant has already been obtained.

B.2.3.1 If local government approval of long-term funding has been secured, attach documentation to the application indicating such approval.

B.2.4 Describe the process for securing donations. (250 words max)

No donations are being requested for this project.

B.2.4.1 If donor pledges have been secured, attach documentation.

B.2.5 Describe the nature of the Loan that you are seeking and attach any documentation that you have that demonstrates your capacity to obtain the loan. (250 words max)

Okaloosa County currently has insufficient ratepayers' revenue, no financial obligation type loans are being requested for this project.

GENERAL FACTORS

B.3. General Factor #1: Implementation Readiness - Permitting

B.3.1 Does your project require permitting? Select one of the following:

- [x] Yes, permitting NOT complete (0 points)
- [ ] Yes, ALL permitting complete (5 points)
- [ ] No permitting required (skip to **B.3.2**) (5 points)

B.3.1.1 What type of permit is required?

- [x] Construction
- [x] Right-of-Way
- [x] Easement
- [ ] Business
- [ ] Development Order
- [x] Other. Describe: USAF, FDEP & COE

B.3.1.2 When do you expect to have all required permits?

- [ ] Less than 3 months (3 points)
- [ ] 3 – 6 months (2 points)
- [x] 6 – 9 months (1 points)
- [ ] More than 9 months (0 points)

B.3.1.3 Upload copy of permit if available.

B.3.2 Does your project require any coordination or governmental approvals?

- [ ] Yes, coordination or government approval NOT complete (0 points)
- [ ] Yes, ALL coordination or governmental approval complete (5 points)
- [x] None required (skip to **B.3.3**) (5 points)

B.3.2.1 What type of coordination or approval is required?

- [ ] Inter-local agreement
- [ ] Land Use Change
- [ ] Re-zoning
- [ ] Other

B.3.2.2 When do you expect to have all coordination or approval complete?

- [x] Less than 3 months (3 points)
- [ ] 3 – 6 months (2 points)
- [ ] 6 – 9 months (1 points)
- [ ] More than 9 months (0 points)

B.3.2.3 Upload copy of coordination or government approval if available.

B.3.3 Provide any additional relevant information on permits, coordination or approval. (120 words max)

B.3.4 Upload your supporting documentation

B.4 General Factor #2: Implementation Readiness – Design

B.4.1 Does your project require a design?

- [x] Yes, design NOT complete (0 points)
- [ ] Yes, design IS complete (skip to **B.4.2**) (5 points)
- [ ] No design required (skip to **B.5**) (5 points)

B.4.1.1 What is the approximate percent of design completion?

- [ ] 0%
- [x] 30%
- [ ] 65%
- [ ] 95% (nearly design complete)

B.4.1.2 When do you expect to have design complete?

- [ ] 0 – 4 months (3 points)
- [ ] 4 – 8 months (2 points)
- [x] 8 – 12 months (1 points)
- [ ] More than 12 months (0 points)

B.4.2 Provide any additional information as it relates to design. (120 words max)

Okaloosa County is currently proceeding forward with the evaluation phase of the project including determination of various alternatives systems, including low pressure, gravity flow collection or combination of these two. In addition, the evaluation will consider pump station locations and force main hydraulic impacts; constructibility constraints and pavement restoration impact; updated cost estimates for each option. Final property procurement, permitting and design will follow. This $4.0M-project includes $780,000 of soft costs, for tasks such as land acquisition, capacity expansion charges, design fees, and other professional fees. These costs, along with the first $1,220,000 of construction costs, are already funded via the $2.0M FDEP grant). The reminder of the project will need to be constructed in phases (Phase I-IV) as alternative funding resources are obtained.

B.4.3 Upload your supporting design documentation.

B.5 General Factor #3: Implementation Readiness: Land/Property Ownership

B.5.1 Does your project require the use of land/property?

- [x] Yes (0 points)
- [ ] No (skip to the **B.6**) (10 points)

B.5.1.1 What is your (project advocate's) ownership status of the land/property?

- [ ] Owned by project advocate (skip to **B.5.2**) (10 points)
- [x] Partially owned by project advocate or documented commitment from owner to sell (attach documentation in **B.5.3**) (5 points)
- [ ] Needs to be acquired (0 points)

B.5.1.2 When do you expect to have full ownership (or unrestricted use)?

- [ ] Less than 3 months (3 points)
- [ ] 3 – 6 months (2 points)
- [x] 6 – 9 months (1 points)
- [ ] More than 9 months (0 points)

B.5.2 Provide any additional information as it relates to land/property ownership. (120 words max)

The majority of the project will be installed in platted rights of way or prescriptive utility easements. Upon completion of the alternatives analysis, if additional property is required beyond the limits of the right of way, OCWS will purchase land and/or easements with funding from the FDEP Grant Agreement.

B.5.3 Upload your supporting documentation.

B.6 General Factor #4: Project Feasibility –Proven Success

B.6.1 Has type of project proposed been implemented elsewhere?

- [x] Yes
- [ ] No (skip to **B.6.1.4**)

B.6.1.1 What is the historic success of projects that share this approach/technology?

- [x] Extremely common; significant success with projects that share approach/technology (10 points)
- [ ] Common; limited success with projects that share approach/technology (8 points)
- [ ] Uncommon; little documented success and limited projects that share similar approach/ technology (4 points)
- [ ] Rare; no documented success and approach/technology is experimental or theoretical (0 points)

B.6.1.2 Explain where similar project was previously implemented and results. If multiple examples exist, use the most similar / relevant. (240 words max)

Okaloosa County has been successful with replacing multiple residential developments previous on septic tanks. The most recent project included a new sanitary sewer collection system for the existing Twin Bay Subdivision. The Twin Bay Subdivision, located near Don's Bayou in Okaloosa County, was not served by a publicly owned wastewater collection system. There were approximately 25 homes that used subsurface treatment systems for wastewater treatment and disposal. Many of the subsurface treatment systems have been identified as impaired or failing because of the high ground water table in the area and were expected to be causing adverse environmental impacts to surrounding waters based on FDOH and CBA water sample testing..

B.6.1.3 Upload your supporting documentation.

Skip to **B.7**

B.6.1.4 To the best of your knowledge, why has this type of project never been implemented?

- [ ] Approach / technology is extremely new
- [ ] Conditions have not existed to implement this approach / technology
- [x] Lack of funding
- [ ] Other. Describe: _____

B.6.1.5 Provide information that details why this "unproven" effort will now be successful.

(240 words max) (up to 4 points)

This Project involves providing an established effort to effectively provide environmental preservation to impacted waters. Subsurface treatment systems (septic tanks) have been identified as impaired or failing because of the local high ground water table in this Project area and poor soil characterizes. The improperly treated leachate flows can cause adverse environmental impacts to surrounding waters. There are no other alternatives or unproven options to completely remove the primary source pollutant and obtain the desired results. Therefore, this Project is not considered to be "unproven", however finding funding sources to obtain the ultimate desired results has been the most challenging effort for replacing septic tank system with a centralized collection system. The per unit resident cost to abandon a residential septic tank and install a sewer collection system is approximately $30,000 per lot. In addition to the construction cost, significant roadway disturbances occur and unknown conflicts encountered during service rerouting can be challenging. Fort these reason and the inability of the Utility to recapture its capital cost over the life of the system has ultimately been the roadblock to justify the construction of the project. As mentioned previously, Okaloosa County has been successful with replacing multiple residential developments previous on septic tanks.

B.6.1.6 Upload your supporting documentation.

ENVIRONMENTAL FACTORS

B.7 Environmental Factor #1: /Restore/Enhance/Protect Habitats

B.7.1 Which best describes the type of habitat impacted? (Select one)

- [x] Marine
- [ ] Coastal
- [ ] Freshwater
- [ ] Estuarine
- [ ] Upland
- [ ] None
- [ ] Other: _____

B.7.2 What best describes the impact of your project on habitat? (Select one)

- [x] Restore/Enhance (10 points)
- [ ] Protect/Conserve (8 points)
- [ ] Offset through Mitigation / None (0 points)
- [ ] Allowable/Permitted Impact (-10 points)

B.7.3 Identify geographical area impacted and provide information as it relates to restoring, enhancing or protecting habitat (240 words max).

The Project benefits the overall priorities established for the Surface Water Improvement and Management (SWIM) for the Choctawhatchee, Pensacola and St. Andrew Bays. In addition, the Project provides direct improvements to both Class III (fish and wildlife and recreation) and Class II (shellfish harvesting) waters and the Rocky Bayou Aquatic Preserve, an Outstanding Florida water.

B.7.4 Is your project intended to improve the habitat of a listed / managed / protected species?

- [x] Yes (1 point) ; If yes, what type? Shellfish
- [ ] No (0 points)

B.7.5 Is your project intended to reduce an invasive species within a habitat?

- [ ] Yes (1 point); If yes, what type? _____
- [x] No (0 points)

B.7.6 Please provide any additional information on the above items (120 words max)

This project will provide immediate removal of a potential source of pollution that is adjacent to coastal beaches and bayous; increase overall water quality and promote seagrass health. Ecosystem services related to human usage will also be increased as well as help reduce the public health risk.
Coastal eutrophication has long been documented to have negative effects on near-shore ecosystems. Seagrass meadows are particularly vulnerable to increased nutrient inputs, which spur the growth of phytoplankton in Choctawhatchee Bay in the spring and fall.

B.7.7 Is the project consistent with the goals of an adopted local, regional, state, or national comprehensive plan to restore, enhance or protect habitat?

- [x] Yes (2 points)
- [ ] No, there is no plan associated with this project (0 points) (skip to **B.8**)

B.7.7.1 Identify the adopted local, regional, state, or national comprehensive plan(s): NWFWMD SWIM for the Choctawhatchee Bay and Rocky Bayou Aquatic Preserve

B.7.7.2 Provide any additional information on the above items to demonstrate compliance with the goals and objectives of the plan (120 words max)

This project complements the regional effort that the Choctawhatchee Basin Alliance (CBA) is doing to monitor and cleanup the Choctawhatchee Bay watershed. Okaloosa County Water & Sewer has had initiatives/projects in the recent past to install public sewer into coastal areas that were on septic tanks; the Lake Pippin area is one of the larger outstanding coastline residential areas not on public sewer.

B.7.7.3 Attach any supporting documentation

B.8 Environmental Factor #2: Replenish/Protect Living Coastal & Marine Resources

B.8.1 Which living coastal or marine resources are directly protected or restored by the project? (check all that apply)

- [ ] Finfish
- [x] Shellfish
- [ ] Birds
- [ ] Mammals
- [ ] Reptiles
- [ ] Amphibians
- [ ] Coral
- [ ] Benthic Communities
- [ ] Other. Describe: _____
- [ ] None (Skip to **B.9**)

B.8.1.1 Describe injuries or threats to the resources identified and how your project addresses those injuries or threats. (120 words max)

The removals of specific sources of pollution have a direct effect on the reduction of nutrients in the environment. Advancements in testing and data analysis on the specifics of failing septic tanks have been shown to contribute to potential short and long term environmental degradation. By performing certain pollutant DNA analysis, identification of harmful bacteria can be directly traced back to their source and then isolated. This Project presents an advantage to perform pre and post data DNA analysis to help further develop identification of pollutant discharges and ecology changes. Since this project will occur in the coastal environment the results will help better understand the dynamics of pollutant migration during other possible spill events.

B.8.2 Which best describes the impact of your project on living coastal or marine resources? (select one)

- [x] Restore/Enhance (10 points)
- [ ] Protect/Conserve (8 points)
- [ ] Offset through Mitigation / None (0 points)
- [ ] Allowable/Permitted Impact (-10 points)

B.8.3 Provide information as it relates to restoring or protecting living coastal or marine resources (240 words max).

The elimination of older septic tank systems has long been recommended due to the introduction of wastewater microbes and pathogens into the environment. These organisms have short circuited the treatment process in the leach field and are directly being introduced into the environment. This is particularly evident in communities that lie beside coastal waters that are subjected to high ground water and tidal flushing. This community meets that classification due to its location near the shore. The extent of this pollution is unknown but it is known to be occurring. As part of our submittal for RESTORE funds we feel it also important to measure the environmental benefits of reducing those pollutants in the water column and seagrass community. This coastal marine community provides habitat to juvenile fish, shrimp, and other commercially and recreational important organisms.

B.8.4 Does your project address one or more of the following? (check all that apply)

- [ ] Overfishing and by-catch; Increased resource stocks; or Improved fisheries assessment (e.g. marine resource data collection that includes fishery dependent or fishery independent data collection) (2 points)
- [x] Public access or use of inshore, coastal or offshore marine resources; or Sustainable resource management of commercially & recreationally important activities (e.g. fishing, hunting, wildlife watching, etc.) (2 points)
- [ ] Removal of barriers to improve freshwater inflow and fish passage; or Improved sediment management; or Restoration of coastal wetlands; or Restoration of eroded shorelines; or River diversions; or other types of hydrologic restoration; or Natural ridge restoration (2 points)
- [x] Implementation of living shoreline techniques; or restoration or protection of natural shorelines or wetlands (2 points)
- [ ] Recovery of threatened/endangered species; or management/removal of invasive and nuisance species (2 points)

B.8.5 Is the project consistent with the goals of an adopted local, regional, state, or national comprehensive plan to replenish or protect coastal or marine resources?

- [x] Yes (2 points)
- [ ] No (0 points) (skip to **B.9**)

B.8.5.1 Identify the adopted local, regional, state, or national comprehensive plan(s): Water Supply Planning Region II

B.8.5.2 Provide any additional information on the above items to demonstrate compliance with the goals and objectives of the plan (120 words max)

The Project is located in Water Supply Planning Region II and is considered a statewide and regional priority area. In addition, the region is subject to regional water supply planning.

B.8.5.3 Attach supporting documentation.

B.9 Environmental Factor #3: Restore/Improve/Protect Water Resources

B.9.1 Which best describes the impact of your project on water quality? (check only one)

- [x] Improve (10 points)
- [ ] Re-use (8 points)
- [ ] Water quality monitoring (8 points)
- [ ] None/Permitted (0 points)

B.9.2 Does your project benefit one or more of the following? (check all that apply)

- [ ] Fresh water resource (including aquifers & re-use projects)
- [x] Estuarine water resource
- [x] Marine water resource

B.9.3 Identify the water source/body affected and provide information as it relates to improving water quality (240 words max)

The Lake Pippin area is one of the larger outstanding coastline residential areas not on public sewer in Okaloosa County and is located directly on the north shore of Choctawhatchee Bay. There are approximately 125 homes with septic tanks and drain fields. The elimination of older septic tank systems has long been recommended due to the introduction of wastewater microbes and pathogens into the environment. These organisms have short circuited the treatment process in the leach field and are directly being introduced into the environment. This is particularly evident in communities that lie beside coastal waters that are subjected to high ground water and tidal flushing. This project will provide immediate removal of a potential source of pollution that is adjacent to coastal beaches and bayous; increase overall water quality and promote sea grass health. Ecosystem services related to human usage will also be increased as well as help reduce the public health risk. Coastal eutrophication has long been documented to have negative effects on near-shore ecosystems. The elimination of raw sewage entering the ground in these areas will serve to reduce pollutant runoff into both the Choctawhatchee Bay and Gulf Mexico.

B.9.4 Does your project address one or more of the following? (Check all that apply)

- [x] Implementation of watershed best management practices (2 points)
- [x] Improved agricultural or silvicultural management practices (2 points)
- [ ] Improved stormwater management (2 points)
- [x] Improved wastewater management (2 points)
- [ ] Long-term monitoring of water quality changes (2 points)
- [x] Improve discharges to & withdrawals from critical systems (2 points)
- [x] Reduce or treat nutrient or pollutant loading (2 points)
- [ ] Improve management of freshwater flows (2 points)

B.9.5 Is the project consistent with the goals of an adopted local, regional, state, or national comprehensive plan to restore, improve or protect water quality?

- [x] Yes (2 points)
- [ ] No (0 points) (skip to **B.10**)

B.9.5.1 Identify the adopted local, regional, state, or national comprehensive plan(s): NWFWMD SWIM for the Choctawhatchee Bay and Rocky Bayou Aquatic Preserve

B.9.5.2 Provide any additional information on the above items to demonstrate compliance with the goals and objectives of the plan (120 words max)

The Project is located in Water Supply Planning Region II and is considered a statewide and regional priority area. The Project benefits the overall priorities established for the Surface Water Improvement and Management (SWIM) for the Choctawhatchee, Pensacola and St. Andrew Bays. In addition, the Project provides direct improvements to both Class III (fish and wildlife and recreation) and Class II (shellfish harvesting) waters and the Rocky Bayou Aquatic Preserve, an Outstanding Florida water.

B.9.5.3 Attach supporting documentation

B.10 Environmental Factor #4: Enhanced Environmental Resilience

B.10.1 Does your project build and sustain the ability to protect against short-term and long-term natural and man-made threats and injuries? (check all that apply)

- [x] Long-term land use planning related to management and sustainability of coastal resources (2 points)
- [ ] Acquisition or preservation of undeveloped lands in coastal high hazard areas (2 points)
- [x] Non-structural storm and surge protection (2 points)
- [x] Design mitigation programs that are incentive based (2 points)
- [x] Natural resource recovery and planning; Risk assessments (2 points)
- [x] Other ecosystem restoration measures (2 points)

B.10.2 Provide information as it relates to enhancing environmental resilience. (240 words max)

A seagrass bed's health is negatively affected by eutrophication. Seagrass communities provide wave attenuation and stabilization of shoreline sediments. The ability for seagrass to quickly redevelop during a post storm event is critical to the rebuild process of a shoreline and its stability. Maintaining proper nutrient loading to these area allows for an overall reduction in there recovery time.

B.10.3 Is the project consistent with the goals of an adopted local, regional, state, or national comprehensive plan to enhance environmental resilience?

- [x] Yes (2 points) ; If yes:
- [ ] No (0 points)

B.10.3.1 Identify the adopted local, regional, state, or national comprehensive plan(s): Okaloosa County Water & Sewer Ordinance

B.10.3.2 Provide any additional information on the above items to demonstrate compliance with the goals and objectives of the plan (120 words max)

Okaloosa County Water and Sewer Ordinance: Sec. 24-322. "At such time as a public sewer becomes available to property served by a private sewage disposal system, a connection shall be made to the public sanitary sewer ... Any septic tanks, cesspools, and similar private sewage disposal facilities shall then be cleaned of sludge and filled with suitable materials in accordance with the appropriate local, state and federal ordinances, statutes, and regulations."

B.10.3.3 Attach supporting documentation

END OF PART B