

**Town of Indian Shores
and
Town of Redington Shores
Warning and
Notification System**

Proposed Project Application
for the
Emergency Management
Preparedness and Assistance
(EMPA) Grant

November 7, 1996

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November 7, 1996

Mr. Joseph F. Myers, Director
Department of Emergency Management
Department of Community Affairs
Attention: EMPATF
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

Dear Mr. Joseph F. Myers:

The Town of Indian Shores and the Town of Redington Shores hereby submit the attached application for the Emergency Management Preparedness and Assistance Trust Fund, Municipal Competitive Grant Program. The proposed project will provide for the purchase and installation of an Outdoor Warning System and a notification system that will serve the Towns of Indian Shores and Redington Shores, which are located on a barrier island within the Coastal High Hazard Area in Pinellas County, along the Gulf on Mexico. The total budget for the purchase and installation of all required equipment is \$36,842.00. The equipment will be installed and operational within three (3) months of the receipt of the grant funds.

In the event of a strong tropical storm or hurricane, the barrier island must be evacuated immediately to maximize the safety of the Towns= residents and visitors. Currently the Towns have no system other than door-to-door notification by emergency personnel to alert the populace of emergencies.

In 1978 the National Weather Service identified the Tampa Bay Region, including Pinellas County, as one of the most hurricane-vulnerable areas in the United States, with the potential for large scale loss of life. This is especially true for the Towns of Indian Shores and Redington Shores, since both are located on a barrier island and entirely within the Coastal High Hazard Area. Evacuation is a critical problem for residents and visitors because they must be notified of any approaching threat. When considering the limited roadways and the inevitable impact of evacuating residents from surrounding municipalities and counties, timely and accurate information is needed to ensure the safety of both residents and visitors within the Towns.

The Town of Indian Shores currently has a permanent population of 1,417 and a seasonal population over 3,400. The Town of Redington Shores currently has a permanent population of 2,407 and a seasonal population of over 3,500. With such a large number of tourists it

is almost impossible to notify these people of an approaching threat through door-to-door notification. The Towns have identified the need for a system to alert and inform the public, preferably by using electronic sirens with voice capability. This system would allow emergency personnel not only to alert residents but to inform them of actions they need to take to protect themselves. The purchase and installation of an Outdoor Warning System would allow the Towns to provide timely notice for hurricane evacuation, tropical storm warnings, effective warning for dangerous surf conditions, notification of water spouts, and warning for any approaching severe weather. The system will allow emergency personnel to alert both Towns instantaneously.

The City's Emergency Management Coordinator is Mr. E.D. Williams, the Town of Indian Shores Police Chief, who has over 34 years of experience and who will administer this project. Police Chief Williams will be in charge of the warning and notification system. Additional personnel that will support this project include Lt. Terry Hughes who has over 10 years of experience.

The Towns of Indian Shores and Redington Shores are the sole applicants for this grant and will assume sole responsibility for administration and completion of the project and shall comply with applicable State of Florida regulations regarding purchasing and installation of equipment. The system will be purchased and installed within ninety days from the receipt of the grant funds. The Towns of Indian Shores and Redington Shores make this application without collusion with any other entity submitting an application, and the application is in all respects fair and in good faith, without fraud or collusion. The Mayor of the Town of Indian Shores has the authority to bind the Towns with respect to the contents of this application.

Sincerely,

Robert G. McEwen
Mayor
Town of Indian Shores

**ATTACHMENT 1
TITLE PAGE**

TITLE OF PROJECT: Town of Indian Shores and Town of Redington Shores Warning and Notification System

This is an application for a competitive grant under (indicate only one):

 Emergency Management Competitive Grant Program

or

XX Municipal Competitive Grant Program

The application is submitted for consideration in the following category (select only one)

 A project that will promote public education of disaster preparedness and recovery issues.

 A project that will enhance coordination of relief efforts of statewide private sector organizations, including public-private business partnerships.

 A project that will improve the training and operations capabilities of agencies assigned lead or support responsibilities in the State Comprehensive Emergency Management Plan.

XX A project that will otherwise further state and local emergency management priorities identified in the Notice of Fund Availability.

APPLICATION INFORMATION:

Name of Organization: Town of Indian Shores

Address of Organization: 19305 Gulf Boulevard
Indian Shores, Florida
34635 - 0050

Name of Chief Elected Official: Robert B. McEwen

Name of Applicant Contact: E.D. Williams

Title of Applicant Contact: Chief of Police

Telephone Number of Applicant Contact: (813) 596 - 8775

Federal Employee Identification (FEID) Number: 596033975

AUTHORIZED SIGNATURE:

Signature: _____

Title: Mayor

Date: _____

ORGANIZATIONAL PROFILE

Administration of this project will be handled by the Town of Indian Shores. The Town's Emergency Management Coordinator, Mr. E. D. Williams, Chief of Police for the Town with over 34 years of experience will be in charge of the warning and notification system. Additional personnel that will support this project include Lt. Terry Hughes with over 10 years of experience.

The Town of Indian Shores Police Department is responsible for emergency activities, including coordination of emergency response and resource management. In addition to the Police Department, the Town has relied on the City of Indian Rocks Beach Fire Department to provide emergency services since the Town incorporated in 1949.

The Police Department is located at 19305 Gulf Boulevard, in the Town of Indian Shores, Florida.

EXECUTIVE SUMMARY

Title:

Town of Indian Shores and Town of Redington Shores Warning and Notification System

Statement of Problem and Identification of Emergency Management Need:

The Towns do not currently have an effective method to warn residents of emergencies that are approaching, other than door-to-door notification by emergency personnel. The Towns identified a need for a more efficient system to provide residents and visitors with improved emergency warning and related information as to what steps would be needed to protect themselves.

Because the two Towns are both located on a barrier island and within the Coastal High Hazard Area, residents and visitors must be notified of any threat that is approaching. The Town of Indian Shores currently has a permanent population of 1,417 and a seasonal population of over 3,400. The Town of Redington Shores currently has a permanent population of 2,407 and a seasonal population of over 3,500. With such a large number of tourists it is almost impossible to notify these people of an approaching threat with the present door-to-door warning system. The Towns have identified the need for a new system to alert and inform the public through the use of electronic sirens and voice capability. This system would allow emergency personnel not only to alert residents but to inform them of protective actions. The purchase and installation of an Outdoor Warning System would allow the Towns to provide timely notification for hurricane evacuation, tropical storm warnings, effective warning for dangerous surf conditions, notification of water spouts, and warning for any approaching severe weather. The system will allow emergency personnel to alert both Towns= residents simultaneously, 24 hours a day.

Goals and Objectives:

The Goal of this project is to provide both an improved warning system and an information system to alert residents and visitors within the Town of Indian Shores and the Town of Redington Shores of any threats that may occur.

The implementation of the Outdoor Warning System will allow the Town to:

1. Alert residents and visitors of any threats or emergencies;
2. Provide information that will identify the steps that will need to be taken to protect life and property within the Towns.

The Objective of this project is to reduce the time required to provide accurate and timely information on any threatening situation to all residents and visitors in the Towns. With this warning

system, information regarding the need to evacuate, as well as the location of shelters and evacuation routes, could be provided as quickly as possible. This system will reach all residents and visitors in both Towns.

This project provides both short-term and long-term benefits. The system, once in place, will allow the Towns to provide instant warnings and information to protect lives. In the long-term the system can be used to continually provide an early warning method for many types of natural or man-made disasters. Throughout its life, the system will provide additional warning capability that will undoubtedly save lives and property in ways that have yet to be identified.

Project Description:

This system will consist of both electronic sirens and voice capable speakers to allow the Towns not only to warn residents and visitors of emergencies, but also to inform them of how to react to the emergency. The system will consist of four (4) speakers. Two (2) speakers will be placed at site #1, located behind Town Hall at 19305 Gulf Boulevard; at site #2, located at 198th and Gulf Boulevard, will be placed one (1) speaker on a utility pole that will cover the northern portion of the Town; and at site #3, located at Wall Street and 1st Street in Redington Shores, will be an omnidirectional speaker that will cover the entire Town of Redington Shores. This system will give emergency personnel the ability to alert and notify all residents and visitors of any emergency situations that are threatening the Towns.

This project will provide the Towns of Indian Shores and Redington Shores the ability to warn the public, and then to broadcast detailed information on how to react to the emergency. The system will benefit all residents and visitors to the Towns, and especially public safety officials, who will no longer be used in traditional door-to-door notification. The system will allow them to be used in a more efficient manner such as traffic management and control. This is very important in communities the size of Indian Shores and Redington Shores. The number of emergency personnel is extremely limited and they can be used to speed evacuation of the Towns when such a system is in place.

Method and Approach:

The Towns of Indian Shores and Redington Shores have identified the need to efficiently warn residents and visitors of emergencies that currently does not exist within the Towns. The Towns want the capability to warn the population as well as inform them on how to react to emergencies. With such a large number of tourists that visit the Towns it was determined that even with notification they would not know what to do and where to go during an emergency. Electronic sirens that provide both a warning signal and are voice capable would allow the Towns to provide both a warning system and a notification system that would meet the requirements the Towns wanted.

The equipment will be purchased through a request for proposals, and GTE will install all necessary equipment onto one existing tower and will provide a storage building for transmission and receiving equipment in its Land Lease Agreement with the Town of Indian Shores (See attached Land Lease Agreement). The remaining systems will be placed in two other locations. The second system will be placed at site #2 and will cover the northern section of the Town of Indian Shores. The third

system, placed at site #3, will be equipped with an omnidirectional speaker system that will cover the entire Town of Redington Shores. Maintenance and utility costs will be budgeted through the Police Department's Annual operating budget. The overall cost of the Outdoor Warning System, including installation, is expected to cost approximately \$36,842.40.

Experience and Abilities:

The emergency staff, with over 44 years of experience, will manage and oversee the purchase, installation, operation and maintenance of this project. The staff has provided services for the Town of Indian Shores since its incorporation in 1949.

Project Benefits:

The Towns of Indian Shores and Redington Shores Warning and Notification System Project is seen as a short-term project that will provide long-term benefits for the Towns. The project is expected to be completed in approximately three (3) months, the amount of time it requires for the installation of three (3) Outdoor Warning Systems with electronic sirens that have voice capabilities. The system will provide a warning and notification method that will provide the Towns with the ability to alert and inform residents and visitors of emergencies and how to react to the emergency. Because of the small number of emergency management personnel within the Towns, the system will allow the emergency staff to provide services in other areas, rather than trying to locate and inform all residents and visitors of an emergency. The system will provide warnings and information that will save lives and protect property.

APPLICATION QUESTIONS

A. Clearly identify a demonstrated state or local emergency management need and explain how this project will address it.

A.1. At this time the Towns of Indian Shores and Redington Shores have no system in place to warn residents of emergencies that are threatening the communities. The only method the Towns can implement is a door-to-door notification by the Towns' emergency personnel (Police Department). This notification system is slow and inefficient, considering the Towns' population and the small police force. Currently the Town of Indian Shores has 15 employees on the police force. The current population of the Town is over 1,400 with a seasonal population of over 3,400. The Town of Indian Shores also provides police service to the Town of Redington Shores, which has a population of 2,407 with a seasonal population of over 3,500. This represents a ratio of one (1) police officer for every 469 persons within the Towns. The Towns need to be able to better inform residents if the evacuation of the barrier island is required to save lives, and to give residents the time to prepare for the protection of their property.

A.2. This project will enhance the Towns of Indian Shores and Redington Shores ability to warn the population of an impending emergency situation, notify them of any evacuation and to continuously provide accurate and timely emergency information. This project will allow the Towns to notify residents that are not listening to traditional emergency warning devices such as radios and television.

Through this project the Towns will improve response and evacuation times. With early warnings and accurate information being distributed, residents will be able to better prepare and evacuate from the Towns. The system will allow residents to evacuate more efficiently and not be stranded in the path of severe weather or other disasters. Through timely advance notice, residents can also take all precautionary measures that are available, helping to reduce the loss of property and speed recovery.

B. Discuss the extent to which the project addresses an emergency management *priority*, as identified in the Notice of Fund Availability.

B.1. In the Model Local Government Disaster Mitigation and Redevelopment Plan and Model Local Redevelopment Regulations, Chapter III, page 2, describes mitigation activities as those that eliminate or reduce the probability of a disaster occurrence or minimize the potential property damage and/or loss of life.[@] These activities occur throughout the mitigation process, both before and after a disaster occurs. This project will result in the reduction of the risks to the Towns of Indian Shores and Redington Shores from natural and technological disasters.

This project addresses the emergency management priority, as identified in the Notice of Fund Availability, of infrastructure mitigation in the form of critical facility retrofitting in accordance with Hazard Mitigation Grant Program (HMGP) criteria and requirements.

As the Towns of Indian Shores and Redington Shores are currently without an efficient warning and notification system, the Towns have identified the need to update their current door-to-door procedures to alert residents and visitors of potential disasters. This project will improve the current notification system by providing quicker, broader coverage of the Towns, and will free up officials for other emergency functions, and thus allow a quick update or warning.

B.2. This project directly addresses the Towns of Indian Shores and Redington Shores emergency priority to alert and inform its residents and visitors of emergencies/disasters that may affect the Towns. Currently the Towns have no effective method to warn and inform residents before or during emergencies. The current method is the slow and inefficient method of door-to-door notification. The Towns have identified the need to ensure the safety of both residents and visitors to the community, and meet its emergency management priority, a modern Outdoor Warning System is needed. This project is expected to improve the Towns ability for preparedness, response, and recovery before during and after an emergency.

The project will improve both Towns ability to prepare for emergencies such as a hurricane or tropical storm. The Towns will be able to provide timely and accurate information on the threat 24 hours a day. This up to date information will be disseminated to all residents and visitors through the Outdoor Warning System. With this information residents will be able to take predisaster precautions more quickly than they are able to currently.

This project will also afford the Towns a faster response to emergencies than is currently possible. Once in place, this system will give the Towns the ability to alert and notify all residents and visitors of emergencies instantaneously. The instantaneous warning and notification in the event of sudden and rapid tropical storms or tornadoes is not possible with the Towns= current door-to-door warning method. As stated earlier, this project will allow the Towns to warn the populace of emergencies 24 hours a day. Many tropical storms and other disaster strike late at night or early in the morning. This system will provide a method to alert those who are sleeping, who would not know about the impending threat. In addition, the project will alert those who are not listening to the radio or watching television. Residents and visitors who are outside will also benefit from the project because without this system, providing them a warning would be impossible. Notification is critical in allowing the barrier island Towns to evacuate in the event of a severe tropical storm or hurricane. All residents and visitors must be alerted and informed that the evacuation of the Towns is required. This project will not only alert residents of the evacuation, but instruct residents and visitors alike of what routes they should take for the most efficient evacuation. In addition, the Towns= police force can be used for traffic control, helping others in need and other emergency situations instead of door-to-door notification. This will result in an efficient, smooth evacuation, which is necessary to ensure safety and protect the lives of residents and visitors.

With timely and accurate information the Towns will be better prepared and able to respond to emergencies. This project will provide the Towns with a faster recovery than it would have without this system. Residents will be able to take the necessary actions to protect property that would normally be destroyed. During recovery the system would be used to inform residents of what areas

are safe and what locations are not safe, where aid stations are located, or other important announcements.

C. Describe the project's consistency with the State Comprehensive Emergency Management Plan and any applicable local comprehensive emergency management plans.

C.1. The State Comprehensive Emergency Management Plan establishes a framework for an effective system of comprehensive management, the purpose of which is to:

1. Reduce the vulnerability of people and communities of this State from loss of life, injury, or damage and loss of property resulting from natural, technological or man-made emergencies, catastrophes, or hostile military or paramilitary action;
2. Prepare for prompt and efficient response and recovery activities to protect lives and property affected by emergencies;
3. Respond to emergencies using all systems, plans and resources necessary to preserve the health, safety and welfare of persons effected by the emergency;
4. Recover from emergencies by providing for the rapid and orderly implementation of restoration and rehabilitation programs for persons and property effected by emergencies; and
5. Assist in anticipation, recognition, appraisal, prevention, and mitigation of emergencies that may be caused or aggravated by inadequate planning for, and regulation of, public and private facilities and land use.

This project will directly benefit the implementation of the State Comprehensive Emergency Management Plan by reducing the vulnerability to, and improving the ability to prepare and respond to emergencies. The Outdoor Warning System will allow the Towns to more efficiently notify residents and visitors of approaching threats and emergencies. This ability will provide valuable time for residents to evacuate the Towns, if needed, thus reducing their vulnerability. The project will provide a system for prompt and efficient response to protect lives and property effected by emergencies. Upon activation of the warning system, residents will not only be alerted but informed of the emergency and actions that should be taken in response to the emergency. All plans and resources can and will be used to preserve the health, safety and welfare of persons effected by the emergency.

C.2. The Pinellas County Comprehensive Emergency Management Plan (CEMP) states in its introduction that the purpose for the CEMP is to document Pinellas County's policies, procedures and guidelines to prepare for, respond to, recover from, and mitigate future impacts of the hazards/disasters that could effect the County. This project relates directly to Pinellas County's CEMP in that it will allow the Town of Indian Shores and Redington Shores to quickly and

efficiently prepare and respond to hazards and disasters that could affect one or both Towns. With this project in place the Towns will have the ability to alert and inform its populace of any threats. This project will not only enhance the Towns' ability to implement an efficient evacuation, but will create an ability that is not currently available; namely, to warn the public of any threatening conditions that may endanger lives in the Towns.

This project will also aid the County and the Towns in a more effective evacuation. The Outdoor Warning System will allow for a much more efficient evacuation of the Towns because residents and visitors would be informed as to where and when they should evacuate, what routes are open, and how to get to those routes. Traffic management will be a primary concern for efficient evacuation, as Gulf Boulevard is only a two lane highway and the only way in or out of the Towns. This project will allow the police force to free up personnel from door-to-door notification and to aid in traffic management and other emergency situations. The additional personnel relieved from door-to-door notification will aid in the smooth, timely, and safe evacuation of both Towns.

C.3. The Town of Indian Shores has adopted an Evacuation and Disaster Recovery Plan that this project addresses. The plan addresses how the Town is to alert and evacuate the populace. This project will assist the Town in providing an effective method to alert residents and visitors to approaching threats or disasters. This project will enable emergency personnel responsible for the notification of both Indian Shores and Redington Shores to efficiently notify residents and visitors with timely and accurate information. The Towns now lack a system other than door-to-door notification, to alert residents and visitors. This project would allow everyone in both Towns to be alerted in a timely manner of an emergency and to aid in providing for an effective response.

The project will benefit the implementation of the Evacuation and Disaster Recovery Plan in both Towns, in the event of an evacuation. The project will aid in the quick notification to evacuate the barrier island and provide additional time for residents and visitors to evacuate. The project will free up emergency personnel that would have to be used in the door-to-door notification, and allow them to perform other duties such as traffic control. This project will aid in the evacuation of the Towns in that it will notify residents and visitors as to what routes they need to take to evacuate from the Towns and how to proceed to those routes. Without this project residents and visitors who are not familiar with evacuations routes would only delay others because they would not know where or how to evacuate from the Towns. The project provides the Towns with the ability to inform everyone of the steps needed to ensure the rapid and safe evacuation of both Towns.

D. Describe the proposed project and why this particular method and approach was chosen.

D.1. The Towns of Indian Shores and Redington Shores are located in Pinellas County, Florida, in the Coastal High Hazard Area of the Sand Key barrier island, facing the Gulf of Mexico. Pinellas County is the most densely populated county in the State and with the millions of tourists attracted to the beaches creates one of the most difficult areas to evacuate. The projected time for the entire County to fully evacuate is 7 to 11 hours with advanced notice, longer if no advance notice is given. For this reason fast efficient warnings with timely and accurate information on how the react are needed to ensure a rapid and successful evacuation of the entire County. Because of their location the Towns need to be evacuated as rapidly as possible to allow the population the time it will require to clear the County before any severe weather or other disaster strikes. If tourists do not know the evacuation routes they will not benefit from any advance notice that would be given. With the ability to inform tourists of the correct evacuation routes, evacuation times will be reduced and emergency personnel would be free to assist in other emergency services such as traffic management and control.

The project consists of three (3) Outdoor Warning Systems that will include both a siren and voice capability to alert and inform the populace of emergencies and how to react to the emergency. At site #1, one Outdoor Warning System will be placed on a 150-foot self-supporting transmission tower with radio and microwave communications equipment, with an equipment building located at the base of the tower behind the Town of Indian Shores Town Hall. The tower and building are already in place at this time. This building will house the communication equipment that will be needed by the Town. The second Outdoor Warning System will be placed at site #2, on the north side of the Town of Indian Shores, to provide maximum coverage of the community. The third system, located at site #3, will be omnidirectional and placed in a central location in the Town of Redington Shores. The siren at site #3 will be an omnidirectional siren that will cover the Town of Redington Shores much more efficiently than a directional siren would be capable of covering. These systems will be in place within three (3) months upon approval of this application and funding.

Current methods of emergency notification include the T.V., radio, and traditional door-to-door notifications using law enforcement officers. As stated previously, this inadequate warning system puts a tremendous strain on the already overburdened police force that the Town of Indian Shores uses during emergencies.

D.2. The Towns of Indian Shores and Redington Shores have determined that to improve their ability to warn the populace on the barrier island, especially those on the beaches, that an Outdoor Warning System is the most efficient method to warn people on the beaches and also to enhance current warning methods.

The Towns had two options that were available for an Outdoor Warning System. One was the more traditional method of a mechanical siren that has a greater audible range that would alert residents. The second option was an electronic siren and speaker that would cover a smaller area but that would allow the Towns the ability to transmit voice messages upon activation of the siren alert. The

electronic siren with voice capability was chosen because both Towns needed not only to alert residents of an emergency but also to inform them as to how to react to the emergency. As stated before, thousands of tourists visit the beaches of Indian Shores and Redington Shores, and normally stay in the area for a short amount of time. The use of a mechanical siren would be ineffective because of the inability to educate the tourist population as to what a siren activation meant and how to react.

The electronic siren and speaker system will allow both Towns to instruct the residents, through its voice capabilities, how to react to immediately-provided emergency information. This system will also allow the Towns the capability to inform residents of the safety of areas, the condition of the drinking water, tides and any other threats that would require the population to follow emergency recovery procedures.

D.3. Unfortunately the surrounding barrier island communities do not have an efficient warning system within their municipalities. Most rely on the slow door-to-door method that the Towns of Indian Shores and Redington Shores now use. This system will also benefit those surrounding communities in that they will also hear the warnings given to residents of Indian Shores and Redington Shores. This project will aid in speeding evacuation and increasing the protection for all residents in the area, not just the residents of Indian Shores and Redington Shores.

D.4. The budget for this project is as follows:

Salaries and Benefits	N/A
Other Personnel/ Contractual Services (Installation)	\$2,500.00
Administrative Expenses	N/A
Expenses	N/A
Operating Capital Outlay	N/A
Fixed Capital Outlay	
Outdoor Warning System	\$34,342.40
	<hr/>
Total Budget	\$36,842.40

D.5. The budget provided is based on proposed costs of the project that were received by Indian Shores from Federal Signal Corporation. The installation includes two new sites because the other Outdoor Warning System site will be installed by GTE Mobile Net, per its land lease agreement with the Town of Indian Shores, and will be placed onto an existing tower.

- E. For projects enhancing emergency management capabilities of state, local or private non-profit organizations, discuss the number of emergency management personnel whose emergency management needs will be directly benefitted by the project; for all others, discuss the member of persons in the target area in Florida whose emergency management needs will directly benefit from the project.

Applicants must clearly choose and answer one or the other (E.1.a. or E.1.b.) in the application, not both.

E.1.a. N/A

E.1.b. This project will directly benefit the permanent population of Indian Shores and Redington Shores, totaling 3,824 residents, and all the tourists visiting in the Towns. An absolute number is not available because of the large fluctuations in the Towns= tourist population. If an emergency occurred during *in-season* the number of tourists that visit the area would need to be calculated in the equation. If the emergency occurred in the *off-season* the number of people benefitted from the project would be much different than *in-season* times. The Towns need to be able to alert and inform residents and visitors as quickly as possible to ensure their safety during an emergency.

The project will also benefit Pinellas County residents that need to evacuate the County in the event of an emergency, such as a hurricane or tropical storm due to the quick and efficient evacuation of the barrier islands. Those individuals that must evacuate will benefit from this project because residents and tourists that are evacuating from the Towns of Indian Shores and Redington Shores will not only be warned but also be informed of what routes to take during an emergency. Because Pinellas County is the most densely populated county in the State rapid and efficient evacuation is a prerequisite to ensure the safety of the population. With the limited number of evacuation routes available (approximately 6) and the 7 to 11 hours needed to evacuate the County, it is critical that everyone know how to evacuate. With the large number of tourists in the area it is unrealistic to assume that they will educate themselves as to the location of the evacuation routes. With this project in place tourists will be informed on evacuation routes and how to get to them. This will aid considerably in the evacuation of not only the Towns themselves, but the entire County because of a reduction in delays that would occur because of the confusion that tourists would create in trying to identify and use evacuation routes.

Emergency personnel would benefit from this project. Policeman and Fire Department personnel would not have to search the beach for individuals who did not know of the emergency, or go door-to-door to announce the evacuation order. This project will benefit every agency involved in the evacuation process but especially those listed above. The Town of Indian Shores has 15 police officers that would directly benefit from these project. County emergency personnel would also benefit because the project would allow the Towns to handle some of the work that the County would normally have to provide. The number of County emergency personnel is difficult to calculate because the type of emergency would dictate the number of emergency personnel required.

F. Identify the immediate tangible emergency management benefits (short-term projects i.e. - 12 months or less in duration), or, reasonable expectation of long-term emergency management benefits coupled with the availability of resources (other than this grant amount) to continue implementation of the project past the term award (long-term projects, i.e. - duration longer than 12 months).

F.1. This project provides for short-term and long-term benefits for both Towns. The immediate, short-term (less than 12 months) benefits of this project upon the installation of the notification and warning system will be the ability to warn residents of dangerous water conditions and approaching severe weather. This advance notification will save lives. Once in place, the long-term (more than 12 months) emergency management benefits include providing the Towns with the ability to alert and inform both residents and tourists without having to try and educate visitors on how to react every year to the warning system. This project will allow the Towns to not only warn the populace of emergency conditions, but how to react to them. The project is expected to last indefinitely with maintenance and will ensure the fastest, most efficient emergency warning system for everyone within the Towns.

F.2. The Outdoor Warning System, as described previously, directly benefits all residents and visitors of the Towns of Indian Shores and Redington Shores by providing a quick and efficient means of warning the public when an emergency threatens or takes place, informs the public how to react to the emergency, and enhances the Towns= ability to respond to these emergencies. The State Comprehensive Emergency Management Plan establishes a framework for an effective system of comprehensive management, the purpose of which is to:

1. Reduce the vulnerability of people and communities of this State to loss of life, injury, or damage and loss of property resulting from natural, technological or man-made emergencies, catastrophes, or hostile military or paramilitary action;
2. Prepare for prompt and efficient response and recovery activities to protect lives and property effected by emergencies;
3. Respond to emergencies using all systems, plans and resources necessary to preserve the health, safety and welfare of persons effected by the emergency;
4. Recover from emergencies by providing for the rapid and orderly implementation of restoration and rehabilitation programs for persons and property effected by emergencies; and
5. Assist in anticipation, recognition, appraisal, prevention, and mitigation of emergencies that may be caused or aggravated by inadequate planning for, and regulation of, public and private facilities and land use.

This project will directly benefit the implementation of the State Comprehensive Emergency Management Plan by reducing the vulnerability of the public, increasing the ability of the public to prepare, and increasing the ability of emergency personnel to respond to emergencies.

The Pinellas County Comprehensive Emergency Management Plan (CEMP) states in its introduction that the purpose for the CEMP is to document Pinellas County's policies, procedures and guidelines to prepare for, respond to, recover from, and mitigate future impacts of the hazards/disasters that could effect the County. This project relates directly to Pinellas County's CEMP in that it will allow the Towns of Indian Shores and Redington Shores to quickly and efficiently prepare and respond to hazards and disasters that could effect the Towns. With this project in place the Towns will have the ability to alert and inform the populace of any threats to the Towns.

By warning swimmers of dangerous water conditions you have mitigated a potential problem and potentially saved lives. The presence of the system itself indicates that the community has planned and prepared for emergency situations. The system will also be used to keep the public informed about how to react after the emergency, and will enhance the communities' ability to recover from the situation.

With one (1) tower already completed, and the additional tower placements identified, it is anticipated that the Outdoor Warning System will be in place and operational within three (3) months upon receipt of the grant.

F.3. The project is expected to last indefinitely with maintenance. This project, over the years, will provide the Towns the ability to protect and save lives through both warning and informing the populace of an emergency and how to react both before and after a crisis. Frequent testing, proper maintenance and replacement, when required, will allow this system to last for many years. The Town of Indian Shores Police Department also provides service to the Town of Redington Shores. The funds for the maintenance, testing and required replacement will come from the Police Department's annual budget and will continue to fund the testing, maintenance and replacements necessary to keep the system in excellent working condition. The benefits will continue, and even grow, as the population increase and the number of tourists coming to the area grow.

Resources to continue the project past the first twelve months include rental of property to GTE Mobilnet of Tampa Incorporated per the Land Lease Agreement that will provide the Town with additional money. The Town already has a five (5) year lease with GTE Mobile Net and is expecting to extend its lease of the next fifteen (15) years. Other resources include the annual expenses budget of the Town Police Department.

G. Demonstrate the applicant-s experience and ability applied to the project.

G.1. Individuals that will work on this project included Police Chief Earl D. Williams and Lt. Terry Hughes. Chief Williams has over 34 years of experience in the area of emergency response. Chief Williams will be in charge of the execution and administration of the Outdoor Warning System. Lt. Terry Hughes, with over ten (10) years of experience in the area of emergency response, will assist and direct emergency activities with Chief Williams. In addition to these two officials, 13 police officers will also be assisting Chief Williams and Lt. Hughes during emergency situations.

G.2. The Town of Indian Shores has already placed a 150-foot tower located at the Town Hall that will support one of the electronic sirens for the Outdoor Warning System. There are no delays expected for the completion of the second and third towers that will be placed in the northern section of the Town of Indian Shores, or the third tower located the central area in the Town of Redington Shores. The system is anticipated to be fully functional within three (3) months from the time the award is accepted. The Town of Indian Shores has already taken the first steps to provide its residents and visitors with a modern and efficient warning system. The personnel in charge of the execution and administration of this project have a combined experience of over 44 years in emergency response services. The Towns have the personnel and resources to accomplish this project.

The system would be installed by GTE and other qualified contractors. The police chief and his staff would be in charge of the operation and maintenance of the system, after the system installation was completed. The system chosen is the necessary one to accomplish the tasks outlined in the application and the police department staff are the appropriate personnel to operate and maintain the system.

There are no anticipated delays between the time that an award would be accepted and the commencement of the project.

H. Identify applicant-s project match.

H.1. No matching fund will be provided for this project. Other sources of funds will come through a land lease agreement that the Town of Indian Shores has with GTE Mobilnet of Tampa, Incorporated. This agreement provides the Town with services and additional income through the rental of space to GTE. Included in the agreement is the installation of the Outdoor Warning System, by GTE, on the existing tower behind Town Hall. GTE has agreed to install all emergency sirens and speakers on the existing tower and to provide an eight (8) feet by eleven (11) foot area within the building on site for the Town-s radio transmission and receiving equipment at no cost to the Town. The attached Land Lease Agreement outlines the agreement between the Town of Indian Shores and GTE Mobilnet of Tampa Inc.

H.2. No funds for this project have been applied for or received by the Towns of Indian Shores and Redington Shores.

1. Discuss the extent to which the proposed project meets a demonstrated emergency management need or priority within a jurisdiction included in a presidential disaster/emergency declaration within the 24 months prior to the date of Notice of Fund Availability.

I.1. No presidential disaster declaration has occurred within 24 months of the date of the publication of the Notice of Fund Availability for the Town of Indian Shores. However, on October 15, 1996, President Clinton signed a Federal Disaster Aid declaration that included Pinellas County, in which the Towns of Indian Shores and Redington Shores are located, as a result of Tropical Storm Josephine that came ashore 160 miles north of Pinellas County on October 7, 1996.

I.2. There have been three presidential disaster declarations in Pinellas County. The first was the result of Hurricane Elena that struck over labor day weekend, August 30 through September 1, 1985. This hurricane caused over \$100 million in damage. The second presidential declaration occurred on October 3, 1992. This disaster was caused by tornadoes that went through three neighboring municipalities. The result was \$37 million in damage and 4 deaths. The third presidential declaration was the result of a winter storm that occurred on March 13, 1993, more commonly known as the Storm of the Century. The result of this disaster was \$20 million in damage.

These three presidential disaster declarations show the need that the Towns of Indian Shores and Redington Shores have for an Outdoor Warning System. With this project in place the Towns will have the ability to alert and inform residents and visitors of emergencies that are threatening the area. This project will provide the Towns with the capabilities to inform residents and visitors of the exact steps needed to protect themselves and their property from threatening weather and/or emergencies. The accurate and timely dissemination of information is critical to ensure the safety of everyone within the Towns. As the disaster history indicates, the Towns are threatened by numerous types of emergencies that require quick and correct action. The Outdoor Warning system will allow the Towns to inform the populace of the type of emergency and the correct actions to take in response to the emergency.

The project has not been submitted for funding from the federal Public Assistance program or Hazard Mitigation program.

J. Has the applicant's jurisdiction been impacted by an environmental clean-up initiative?

J.1. On August 10, 1993, a tanker fire/oil spill affected the Towns of Indian Shores and Redington Shores. Even though the impact was minimal, it would have been much more severe if the accident would have been farther north. Only minor environmental effects were felt by the Towns, but this incident represents the vulnerability that the Towns face regarding environmental emergencies.

**ATTACHMENT 2
PROPOSED BUDGET**

EXPENDITURE CATEGORIES	Cash Match A	In-kind Services Match B	Total Grantee Cost A+B=C	EMPA Award D	Total Project Cost C+D=E
SALARY AND BENEFITS	N/A				
OTHER PERSONNEL/CONTRACTUAL SERVICES (INSTALLATION)				2,500.00	2,500.00
ADMINISTRATIVE EXPENSE	N/A				
EXPENSES	N/A				
OPERATING CAPITAL OUTLAY	N/A				
FIXED CAPITAL OUTLAY				34,342.40	34,342.40
TOTAL EXPENDITURES				36,842.40	36,842.40
PERCENTAGES	A%	B%	C%	100%	100%

NARRATIVE EXPLANATION AND JUSTIFICATION OF LINE ITEMS:

The budget includes costs associated with equipment and installation only. All personnel and administrative costs will be absorbed by the Towns of Indian Shores and Redington Shores.

See attached line item budget.