

Section 20: Mitigation Actions

Rio Hondo

Rio Hondo – Action #1	
<b>Proposed Action:</b>	Repair and upgrade all waterlines to stop water loss
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit</b> ( <i>Current Cost/Losses Avoided</i> ):	Reduce potable water loss
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Structure and Infrastructure

MITIGATION ACTION DETAILS	
<b>Hazard(s) Addressed:</b>	Drought
<b>Effect on New/Existing Buildings:</b>	Reduce the need to purchase water
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$1,200,000
<b>Potential Funding Sources:</b>	Texas Water Development; City Funds
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Water Treatment
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan; Water Loss Study

COMMENTS
In Summer 2013, the City had to buy push water to deliver water for treatment to the City because of drought.
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 4

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<b>Rio Hondo – Action #2</b>	
<b>Proposed Action:</b>	<b>Map and Assess vulnerability to wildfire; identify water sources to fight fires; update Emergency Management Plan of identified vulnerabilities and sources of water</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide; Extra Territorial Jurisdiction
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce the risk of wildfires
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations (coordinate with surrounding cities and towns)

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Wildfire
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$500,000
<b>Potential Funding Sources:</b>	Texas Forest Service
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Fire Department
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>Rio Hondo – Action #3</b>	
<b>Proposed Action:</b>	<b>Adopt and enforce building codes; Upgrade to the International Building Code 2013 and review all Permit Procedures</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce risk of wind damages
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Wind; Hurricane; Tornado; Hail
<b>Effect on new/existing buildings:</b>	Reduce risk to new and existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$200,000
<b>Potential Funding Sources:</b>	City Funds
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Permit Division
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan

<b>COMMENTS:</b>
Require Wind Engineering Measures and Construction Techniques that may need structural bracing and Hail resistant materials.
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>Rio Hondo – Action #4</b>	
<b>Proposed Action:</b>	<b>Adopt ASCE24-05 Flood Resistant Design and Construction to reduce flooding caused by Storm Surge</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit</b> ( <i>Current Cost/Losses Avoided</i> ):	Prohibiting floodplain development through regulatory and/or incentive based measures
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hurricane; Flood
<b>Effect on new/existing buildings:</b>	Reduce risk to new and existing structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$2,000,000
<b>Potential Funding Sources:</b>	USDA; City Funds; HMGP
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Permit Division
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>Rio Hondo – Action #5</b>	
<b>Proposed Action:</b>	<b>Install sprinkler systems at all public buildings and common areas and implement watering schedules</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide public buildings
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce risk of foundation shifts and cracks
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Expansive Soils; Wildfire
<b>Effect on new/existing buildings:</b>	Reduce risk of damage to new and existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$10,000 per location
<b>Potential Funding Sources:</b>	HMGP; CDBG; City Funds
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Public Works
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5</p>

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<b>Rio Hondo – Action #6</b>	
<b>Proposed Action:</b>	<b>Stabilize the banks of the Arroyo Colorado River by using rock splash pads to direct run off and minimize the potential for erosion</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Banks of Arroyo Colorado River inside the City of Rio Hondo
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce the risk of erosion and flood damage
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hurricane; Flood
<b>Effect on new/existing buildings:</b>	Reduce risks to new and existing structures along the banks of the Arroyo Colorado
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$8,000,000
<b>Potential Funding Sources:</b>	Army Corps. Of Engineers; City Funds; HMGP
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo; Army Corps. Of Engineers
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 4</p>

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<b>Rio Hondo – Action #7</b>	
<b>Proposed Action:</b>	Educate the public on mitigation measures against all hazards such as proper hydration and proper clothing while working outside; identify and promote air condition shelters for the elderly and educate the public on their availability
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce heat illness and death due to heat exhaustion
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Heat, Winter Storm
<b>Effect on new/existing buildings:</b>	N/A
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$20,000
<b>Potential Funding Sources:</b>	City Funds; USDA
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Administration
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan; Comprehensive Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>Rio Hondo – Action #8</b>	
<b>Proposed Action:</b>	<b>Develop and conduct public awareness program related to tree maintenance at commercial and residential home sites</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce loss of life, property, utilities and the loss of manpower to restore services
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Wind; Hurricane
<b>Effect on new/existing buildings:</b>	Reduce risk to new and existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	HMGP; Insurance Companies; City Funds
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Emergency Management
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>



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<b>Rio Hondo – Action #9</b>	
<b>Proposed Action:</b>	<b>Plant trees and vegetation along public ROW and easements to reduce temperatures and provide shade</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit</b> ( <i>Current Cost/Losses Avoided</i> ):	Provide shade and lowers temperatures; reduces energy consumption
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Heat
<b>Effect on new/existing buildings:</b>	Reduces temperature at new/existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$25,000
<b>Potential Funding Sources:</b>	HMGP; City Funds
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Public Works
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>Rio Hondo – Action #10</b>	
<b>Proposed Action:</b>	<b>Incorporate drought tolerant or xeriscape practices into landscape ordinances to reduce dependence on irrigation</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce dependence on irrigation
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Natural Systems Protection

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Drought
<b>Effect on new/existing buildings:</b>	Reduce water consumption at new and existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	City Funds; HMGP
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Permit Division
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>Rio Hondo – Action #11</b>	
<b>Proposed Action:</b>	<b>Retrofit portion of City Hall to serve as Safe Room for first responders</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City Hall
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Protect first responders and continuity of emergency services
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Tornado; Hurricane
<b>Effect on new/existing buildings:</b>	Reduce risk at existing building
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$500,000
<b>Potential Funding Sources:</b>	City Funds; HMGP
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Emergency Management
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>                      The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)                      Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5</p>

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<b>Rio Hondo – Action #12</b>	
<b>Proposed Action:</b>	<b>Retrofit public buildings with hail resistant materials</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide public buildings
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce damages to public buildings
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hail
<b>Effect on new/existing buildings:</b>	Reduce risk at existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$25,000 per site
<b>Potential Funding Sources:</b>	City Funds; HMGP
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Public Works
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5

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<b>Rio Hondo – Action #13</b>	
<b>Proposed Action:</b>	<b>Remove dead and downed trees to decrease fire fuels in Wildland Urban Interface (WUI) areas</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide WUI
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Natural landform protection and reduced risk of loss of property due to wildfire
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Natural Systems Protection

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Wildfire
<b>Effect on new/existing buildings:</b>	Reduce fire risk to new and existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$500,000
<b>Potential Funding Sources:</b>	Texas Forest Service
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Parks and Recreation
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	CWPP

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>Rio Hondo – Action #14</b>	
<b>Proposed Action:</b>	Educate the general public on benefits of utilizing sprinkler system or watering around foundation and sidewalks to prevent expansive soils from cracking concrete
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce chances of concrete cracking thus saving money and damage to structures
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Expansive Soils; Wildfire
<b>Effect on new/existing buildings:</b>	Reduce risk to new and existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	HMGP; City Funds
<b>Lead Agency/Department Responsible:</b>	City of Rio Hondo Public Works
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	N/A

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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San Benito

<b>San Benito – Action #1</b>	
<b>Proposed Action:</b>	<b>Assess the community’s critical and public facilities for their ability to protect their occupants during a wind relate disaster within the City of San Benito and Cameron County; retrofit where necessary</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide – critical infrastructures, schools, businesses, and residential housing
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce reoccurring losses due to extreme wind by evaluating vulnerability and identifying at-risk structures
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Wind; Hurricane
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$25,000
<b>Potential Funding Sources:</b>	CDBG; EDC; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Code Enforcement, Building Inspections; City Administration
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5

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<b>San Benito – Action #2</b>	
<b>Proposed Action:</b>	<b>Provide information to educate the citizens, elected officials, and property owners about hurricane hazards and potential ways to mitigate damages</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce damages to structures through education and awareness
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hurricane; Extreme Wind
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	EMPG; HMGP; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	San Benito Police; Fire Department; SBOEN; City Administration
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>



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<b>San Benito – Action #3</b>	
<b>Proposed Action:</b>	<b>Implement drainage improvements for the entire City of San Benito, drainage watersheds within the city and surrounding the city to increase storm water runoff capacity and protect structures and infrastructure from flood damages</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Protection of all properties and reduce reoccurring losses
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Flood
<b>Effect on new/existing buildings:</b>	Reduce risk to existing and new structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$10,000,000
<b>Potential Funding Sources:</b>	CDBG; EDC; HMGP; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Public Works; Street Department; Irrigation District; City Administration
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Master Drainage Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 4</p>

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<b>San Benito – Action #4</b>	
<b>Proposed Action:</b>	<b>Designate public buildings as cooling stations during extreme heat events and educate citizens on the availability of cooling stations</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide – selected public buildings
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce risk of injury to vulnerable residents
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Heat
<b>Effect on new/existing buildings:</b>	N/A
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	School District; CDBG; EMPG; EDC; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Public Works; Street Department; Irrigation District; City Administration
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5

Section 20: Mitigation Actions

<b>San Benito – Action #5</b>	
<b>Proposed Action:</b>	<b>Modify building codes to require drought tolerant landscaping for new public buildings and commercial developments to reduce water consumption</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce water consumption at public buildings
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Drought
<b>Effect on new/existing buildings:</b>	Reduce effects of drought on future commercial development
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	School District; CDBG; EDC; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Public Works; Street Department; Irrigation District; City Administration
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>San Benito – Action #6</b>	
<b>Proposed Action:</b>	<b>Implement subdivision regulations, new building regulations, building codes and enforcement and development reviews to influence the way land and buildings are developed and built to sustain winds caused by extreme weather</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce damages caused by extreme wind events through more stringent building codes and wind resistant construction practices
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Tornado; Extreme Wind; Hurricane
<b>Effect on new/existing buildings:</b>	Reduce the risk to new structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	School District; CDBG; EDC; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Code Enforcement and Building Inspections; City Administration
<b>Implementation Schedule:</b>	Within 36 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Building Codes; Comprehensive Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5

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<b>San Benito – Action #7</b>	
<b>Proposed Action:</b>	<b>Implement subdivision regulations, new building regulations, building codes and enforcement and development reviews to influence the way land and buildings are developed and built to withstand hail events</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce damages caused by hail events through more stringent building codes and hail resistant construction materials and practices
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hail
<b>Effect on new/existing buildings:</b>	Reduce the risk to new structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	HMGP; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Code Enforcement and Building Inspections; City Administration
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Building Codes; Comprehensive Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5

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<b>San Benito – Action #8</b>	
<b>Proposed Action:</b>	<b>Adopt land use restrictions for preservation and forest management to minimize damage and losses while preserving natural systems and vegetation</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide, with an emphasis on the WUI
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce the risk of wildfire by limiting development in high risk areas and preserving buffer area
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Wildfire
<b>Effect on new/existing buildings:</b>	Reduce risk to existing and new structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	EMPG; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Fire Department; Code Enforcement; City Administration
<b>Implementation Schedule:</b>	Within 36 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan; CWPP

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 4; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

Section 20: Mitigation Actions

<b>San Benito – Action #9</b>	
<b>Proposed Action:</b>	<b>Adopt building codes with appropriate construction methods for expansive soils to prevent or reduce the risk of structural damage</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce the risk of damage to future structures through construction practices that minimize movement caused by expansive soils
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Expansive Soils
<b>Effect on new/existing buildings:</b>	Reduce risk to future structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	EMPG; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Code Enforcement; City Administration
<b>Implementation Schedule:</b>	Within 36 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Building Codes; Comprehensive Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>San Benito – Action #10</b>	
<b>Proposed Action:</b>	Create a program to help inform the citizens, elected officials, and property owners about hazards and potential ways to mitigate hazardous material events and how to properly dispose of them
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce these types of events from reoccurring
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hazardous Materials
<b>Effect on new/existing buildings:</b>	N/A
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	EMPG; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Storm Water Grants; Code Enforcement; City Administration
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>                      The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)                      Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>



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<b>San Benito – Action #11</b>	
<b>Proposed Action:</b>	Create a program to help inform the citizens, elected officials, and property owners about how they can prevent acts of terrorism
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce these types of events from reoccurring
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Terrorism
<b>Effect on new/existing buildings:</b>	N/A
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	EMPG; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Police; Fire; OEM
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>San Benito – Action #12</b>	
<b>Proposed Action:</b>	Create a program to help inform the citizens, elected officials, and property owners about hazards and potential ways to prevent illegal digging in and around pipelines
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce these types of events from reoccurring
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Pipeline Failure
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	EMPG; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Public Works; Police; Fire; OEM
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Response Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>San Benito – Action #13</b>	
<b>Proposed Action:</b>	<b>Adopt higher standards into the flood damage prevention ordinance to limit floodplain development and provide higher protection to structures in the floodplain</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide – FEMA and community identified floodplain
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce damages caused by flood through more stringent requirements and restrictions
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Flood
<b>Effect on new/existing buildings:</b>	Reduce the risk to new and existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$10,000
<b>Potential Funding Sources:</b>	CDBG; EDC; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Code Enforcement and Building Inspections; City Administration
<b>Implementation Schedule:</b>	Within 36 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Flood Damage Prevention Ordinance; Comprehensive Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 4; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>San Benito – Action #14</b>	
<b>Proposed Action:</b>	<b>Plan trees and vegetation along public ROW easements and public building common areas, public school common areas to reduce temperatures and provide shade</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Selected public buildings and ROW easements
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Provide shade, lower temperatures and reduce emergency consumption at public facilities
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Heat
<b>Effect on new/existing buildings:</b>	Reduce risk to existing public buildings
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$25,000
<b>Potential Funding Sources:</b>	CDBG; EMPG; EDC; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Public Works; ISD; Street Department; Irrigation District; City Administration
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>San Benito – Action #15</b>	
<b>Proposed Action:</b>	<b>Upgrade existing water system to eliminate line breaks and leaks and prevent water loss</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce water loss through broken or leaky pipes
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Drought
<b>Effect on new/existing buildings:</b>	Reduce effects of drought on all development
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$2,000,000
<b>Potential Funding Sources:</b>	CDBG; HMGP; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	Public Works; City Administration
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 4</p>

Section 20: Mitigation Actions

<b>San Benito – Action #16</b>	
<b>Proposed Action:</b>	<b>Retrofit San Benito Police Station or other public building (determine most feasible) as a safe room for first responders</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Police Station or other Public facility
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce damages to police station caused by extreme weather events while protecting first responders; ensuring immediate emergency response after an event
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Tornado; Extreme Wind; Hurricane; Hail
<b>Effect on new/existing buildings:</b>	Reduce the risk to existing structure
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$500,000
<b>Potential Funding Sources:</b>	CDBG; HMGP
<b>Lead Agency/Department Responsible:</b>	Code Enforcement; City Administration
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Response Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5</p>

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<b>San Benito – Action #17</b>	
<b>Proposed Action:</b>	<b>Provide information to educate the citizens, elected officials, and property owners about hail hazards and potential ways to mitigate them</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce damages to structures, protect citizens from injury through education and awareness
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hail
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	EMPG; HMGP; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	San Benito Police; Fire Department; SBOEN; City Administration
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>San Benito – Action #18</b>	
<b>Proposed Action:</b>	<b>Remove dead and downed trees to decrease fire fuels in Wildland Urban Interface (WUI) areas</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide WUI
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce the risk of wildfire through fuels reduction
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Natural Systems Protection

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Wildfires
<b>Effect on new/existing buildings:</b>	Reduce risk to existing and new structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$25,000
<b>Potential Funding Sources:</b>	Texas Forest Service; HMGP
<b>Lead Agency/Department Responsible:</b>	Fire Department
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan; CWPP

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>



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<b>San Benito – Action #19</b>	
<b>Proposed Action:</b>	Educate the general public on benefits of utilizing sprinkler system or watering around foundation and sidewalks to prevent expansive soils from cracking concrete
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce the risk of damage to existing structures through regular watering
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Expansive Soils
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	EMPG; Pre-Disaster Mitigation Grant Program
<b>Lead Agency/Department Responsible:</b>	City Administration
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

Section 20: Mitigation Actions

South Padre Island

South Padre Island – Action #1	
<b>Proposed Action:</b>	Review and Update Erosion Response Plan
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce erosion and impacts through assessment and planning
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Local Plans and Regulations

MITIGATION ACTION DETAILS	
<b>Hazard(s) Addressed:</b>	Hurricane; Flood; Coastal Erosion
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$30,000
<b>Potential Funding Sources:</b>	HMGP; Local Funds
<b>Lead Agency/Department Responsible:</b>	Public Works / Shoreline Management
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Erosion Response Plan; Emergency Response Plan

COMMENTS:
<p><b>Additional Considerations:</b>                      The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)                      Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

Section 20: Mitigation Actions

<b>South Padre Island – Action #2</b>	
<b>Proposed Action:</b>	<b>Establish Continuous Dune Line; Plant Vegetation to protect Dunes; Construct walkovers to prevent foot traffic on dunes</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Established, strengthening, and protecting dunes reduces damages to structures and infrastructure
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Natural System Protection

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hurricane; Coastal Erosion
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$400,000
<b>Potential Funding Sources:</b>	HMGP; Local Funds; CDBG
<b>Lead Agency/Department Responsible:</b>	Public Works / Shoreline Management
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Erosion Response Plan; Emergency Response Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5

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<b>South Padre Island – Action #3</b>	
<b>Proposed Action:</b>	<b>Adoption erosion control ordinance and prohibit development in high-hazard areas</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Erosion control reduces damage to structures and infrastructure along coast
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hurricane; Flood; Coastal Erosion
<b>Effect on new/existing buildings:</b>	Reduce risk to existing Structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	HMGP; Local Funds
<b>Lead Agency/Department Responsible:</b>	Public Works / Shoreline Management
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Erosion Response Plan; Emergency Response Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>South Padre Island – Action #4</b>	
<b>Proposed Action:</b>	<b>Retrofit/harden existing critical facilities to ensure continuity of services during and following hazard events</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide critical facilities
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce risk to first responders and ensure continued emergency response services
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hurricane; Tornado; Extreme Wind; Hail
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$500,000
<b>Potential Funding Sources:</b>	HMGP; Local Funds; CDBG
<b>Lead Agency/Department Responsible:</b>	City Building Department
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>                      The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)                      Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5</p>

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<b>South Padre Island – Action #5</b>	
<b>Proposed Action:</b>	<b>Retrofit Community Center to serve as a Safe Room during Severe weather events; establish the community center as a community cooling center during extreme heat. Educate the public on the availability of the community center as a cooling station</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City Community Center
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce risk to citizens by providing a safe place to shelter during hazardous events
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hurricane; Tornado; Extreme Wind; Hail; Extreme Heat; Flood
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$500,000
<b>Potential Funding Sources:</b>	HMGP; Local Funds; CDBG
<b>Lead Agency/Department Responsible:</b>	City Building Department
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Management Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5

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<b>South Padre Island – Action #6</b>	
<b>Proposed Action:</b>	<b>Upgrade undersized culverts throughout the Island to increase capacity and reduce flood risk</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Various locations throughout the City
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce flood damages to structures and infrastructure
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Flood
<b>Effect on new/existing buildings:</b>	Reduce risk to existing and future structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$10,000,000
<b>Potential Funding Sources:</b>	HMGP; CDBG
<b>Lead Agency/Department Responsible:</b>	Public Works
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Master Drainage Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 4</p>

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<b>South Padre Island – Action #7</b>	
<b>Proposed Action:</b>	<b>Update building codes to include wind resistant construction in new and substantially improved structures</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce wind damage and insurance payouts; loss of services
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Wind; Hurricane
<b>Effect on new/existing buildings:</b>	Reduce risk to new and substantially improved structures
<b>Priority (High, Moderate, Low):</b>	High
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	HMGP; CDBG; Local Funds
<b>Lead Agency/Department Responsible:</b>	Code Enforcement
<b>Implementation Schedule:</b>	Within 12 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Building Codes

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>



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<b>South Padre Island – Action #8</b>	
<b>Proposed Action:</b>	<b>Install covered parking structure to protect police, fire and emergency response vehicles</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	Police and Fire Stations
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce damages to response vehicles; improve continuity of emergency services
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Wind; Hurricane; Tornado; Hail; Extreme Heat
<b>Effect on new/existing buildings:</b>	Reduce risk to new and substantially improved structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$25,000
<b>Potential Funding Sources:</b>	HMGP; CDBG; Local Funds
<b>Lead Agency/Department Responsible:</b>	Public Works
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Response Plan

<b>COMMENTS:</b>
Extreme Heat may damage equipment
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 4

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<b>South Padre Island – Action #9</b>	
<b>Proposed Action:</b>	<b>Outreach program to educate residents on protecting property and sheltering during Hail events</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit</b> ( <i>Current Cost/Losses Avoided</i> ):	Reduce risk to life and property through education and planning
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hail
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	HMGP; Local Funds
<b>Lead Agency/Department Responsible:</b>	Public Works
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Response Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>South Padre Island – Action #10</b>	
<b>Proposed Action:</b>	<b>Outreach program to educate residents on the dangers of extreme heat and how to prevent injury or illness</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce risk to life through education on signs of heat exhaustion/stroke and measures to reduce risk
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Extreme Heat
<b>Effect on new/existing buildings:</b>	N/A
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	HMGP; Local Funds
<b>Lead Agency/Department Responsible:</b>	City Administration
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Response Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>                      The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)                      Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>South Padre Island – Action #11</b>	
<b>Proposed Action:</b>	<b>Identify potential terrorist targets and develop appropriate security plans and procedures; Review and update any plans already in place; Implement training for first responders</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce risk to lives and property through planning and training
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Education and Awareness; Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Terrorism
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$25,000
<b>Potential Funding Sources:</b>	Local Funds; Other Grants
<b>Lead Agency/Department Responsible:</b>	Police / Fire Department
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Terrorism Response Plan

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>South Padre Island – Action #12</b>	
<b>Proposed Action:</b>	<b>Review and update any Hazardous Material plans already in place; implement training for first responders; acquire equipment necessary for training and response</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City Water Treatment Plant
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce risk to lives and property through planning and training
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Education and Awareness; Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Hazardous Materials
<b>Effect on new/existing buildings:</b>	Reduce risk to existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$250,000
<b>Potential Funding Sources:</b>	Local Funds; Other Grants
<b>Lead Agency/Department Responsible:</b>	Fire Department / Public Works
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Emergency Response Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5

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<b>South Padre Island – Action #13</b>	
<b>Proposed Action:</b>	<b>Adopt higher floodplain standards in local floodplain ordinance</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce flood damages and insurance payouts
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Flood
<b>Effect on new/existing buildings:</b>	Reduce risk to new and substantially improved structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	Local Funds
<b>Lead Agency/Department Responsible:</b>	Code Enforcement
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Flood Damage Prevention Ordinance

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>            The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)            Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>South Padre Island – Action #14</b>	
<b>Proposed Action:</b>	<b>Adopt an ordinance to restrict the use of public water resources for non-essential usage</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce vulnerability to drought
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Local Plans and Regulations

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Drought
<b>Effect on new/existing buildings:</b>	Reduce impact of drought on existing buildings
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$5,000
<b>Potential Funding Sources:</b>	HMGP; Local Funds
<b>Lead Agency/Department Responsible:</b>	City Administration
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Local Ordinance

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>                      The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)                      Socially Acceptable = 4; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>South Padre Island – Action #15</b>	
<b>Proposed Action:</b>	Education outreach program to educate residents on water conservation methods including adjusting sprinkler systems to water lawn and not sidewalks, turning water off during cleaning activities; checking for plumbing leaks or dripping faucets, and installing rain capturing devices for irrigation
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Save water and reduce the impact of drought
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Education and Awareness

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Drought
<b>Effect on new/existing buildings:</b>	Reduce impact on existing structures
<b>Priority (High, Moderate, Low):</b>	Moderate
<b>Estimated Cost:</b>	\$1,000
<b>Potential Funding Sources:</b>	HMGP; Local Funds
<b>Lead Agency/Department Responsible:</b>	City Administration
<b>Implementation Schedule:</b>	Within 24 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	N/A

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5



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<b>South Padre Island – Action #16</b>	
<b>Proposed Action:</b>	<b>Remove dead and downed trees to decrease fire fuels in Wildland Urban Interface (WUI) areas</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide WUI
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Natural landform protection and reduced risk of loss of property due to wildfire
<b>Type of Action: (Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness)</b>	Natural Systems Protection

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Wildfire
<b>Effect on new/existing buildings:</b>	Reduce fire risk to new and existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$100,000
<b>Potential Funding Sources:</b>	Texas Forest Service
<b>Lead Agency/Department Responsible:</b>	Parks and Recreation
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	CWPP

<b>COMMENTS:</b>
<p><b>Additional Considerations:</b>                      The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies)                      Socially Acceptable = 5; Technically Feasible = 5; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 5; and Environmentally Sound = 5</p>

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<b>South Padre Island – Action #17</b>	
<b>Proposed Action:</b>	<b>Install sprinkler systems at all public buildings and common areas and implement water schedules</b>
<b>BACKGROUND INFORMATION</b>	
<b>Site and Location:</b>	City-wide public buildings
<b>Risk Reduction Benefit (Current Cost/Losses Avoided):</b>	Reduce risk of foundation shifts and cracks
<b>Type of Action:</b> ( <i>Local Plans and Regulations, Structure and Infrastructure Projects, Natural Systems Protection, or Education and Awareness</i> )	Structure and Infrastructure Project

<b>MITIGATION ACTION DETAILS</b>	
<b>Hazard(s) Addressed:</b>	Expansive Soils; Wildfires
<b>Effect on new/existing buildings:</b>	Reduce risk of damage to new and existing structures
<b>Priority (High, Moderate, Low):</b>	Low
<b>Estimated Cost:</b>	\$10,000 per location
<b>Potential Funding Sources:</b>	HMGP; CDBG; Local Funds
<b>Lead Agency/Department Responsible:</b>	Public Works
<b>Implementation Schedule:</b>	Within 48 months of plan adoption pending funding
<b>Incorporation into Existing Plans:</b>	Comprehensive Plan

<b>COMMENTS:</b>
<b>Additional Considerations:</b> The following STAPLEE criteria were evaluated on a scale of 1 to 5 indicating the extent to which this action satisfies each consideration. (1= Does Not Satisfy 3 = Moderately Satisfies 5 = Strongly Satisfies) Socially Acceptable = 5; Technically Feasible = 4; Administratively Possible = 5; Politically Acceptable = 5; Legal = 5; Economically Sound = 4; and Environmentally Sound = 5