

HAZARD MITIGATION STRATEGIES

How do I mitigate a hazard?

TYPES OF MITIGATION STRATEGIES											
TYPE OF STRATEGY	EXAMPLES										
<p>Prevention <i>Government administrative or regulatory actions or processes that influence the way land and buildings are developed and built; Public activities to reduce hazard losses</i></p>	<ul style="list-style-type: none"> Planning and zoning Building Code Development and Enforcement Capital Improvement Programs Open Space Preservation Storm Water Management Regulations Drainage System Maintenance Beach Maintenance 										
<p>Property Protection <i>Actions that involve the modification of existing buildings or infrastructure to protect them from a hazard, or removal from the hazard area</i></p>	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Acquisition</td> <td style="width: 40%;">Flood Proofing</td> </tr> <tr> <td>Elevation</td> <td>Storm Shutters</td> </tr> <tr> <td>Relocation</td> <td>Shatter-resistant Glass</td> </tr> <tr> <td>Structural Retrofits</td> <td>Insurance</td> </tr> </table>	Acquisition	Flood Proofing	Elevation	Storm Shutters	Relocation	Shatter-resistant Glass	Structural Retrofits	Insurance		
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<p>Public Education & Awareness <i>Actions to inform and educate citizens, elected officials, and property owners about potential risks from hazards and potential ways to mitigate them</i></p>	<ul style="list-style-type: none"> Outreach projects Real estate disclosure Hazard information centers School-age and adult education programs Library resources Technical assistance Flood maps and data 										
<p>Natural Resource Protection <i>Actions that, in addition to minimizing hazard losses also preserve or restore the functions of natural systems</i></p>	<ul style="list-style-type: none"> Sediment and erosion control Stream corridor restoration Watershed management Forest and vegetation management Wetland restoration and preservation 										
<p>Emergency Services Measures <i>Actions taken during a disaster to minimize its impact</i></p>	<ul style="list-style-type: none"> Warning Dam condition monitoring Emergency response planning Evacuation Critical facilities protection Health and safety maintenance 										
<p>Structural Projects <i>Actions that involve the construction of structure to reduce the impact of a hazard</i></p>	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Seawalls</td> <td style="width: 40%;">Retaining walls</td> </tr> <tr> <td>Diversions</td> <td>Safe rooms</td> </tr> <tr> <td>Storm Sewers</td> <td>Reservoirs</td> </tr> <tr> <td>Storm water controls</td> <td>Floodwalls /</td> </tr> <tr> <td>Levees / Channel Modifications</td> <td></td> </tr> </table>	Seawalls	Retaining walls	Diversions	Safe rooms	Storm Sewers	Reservoirs	Storm water controls	Floodwalls /	Levees / Channel Modifications	
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Sources:

Local Multi-Hazard Mitigation Planning Guidance, FEMA, July 1, 2008

Natural Hazards Informer Number 1: Flood Mitigation Planning: The CRS Approach by French Wetmore and Gil Jamieson, July 1999