

## CHAPTER 5

### MITIGATION STRATEGY

The purpose of this chapter is to document Anchorage's mitigation strategy which is based on the findings presented in the preceding chapters. This chapter is divided into the following sections:

- Hazard Mitigation Goals and Objectives
- Hazard Mitigation Strategies
- Action Plan

The goals, objectives and action items provided in this chapter are intended to guide everyday activities and provide a long-term hazard mitigation approach for the MOA to follow. The goals are broad statements about what Anchorage wants to achieve in terms of hazard mitigation. Objectives identify how Anchorage will achieve their goals. The Action Plan items are specific actions or projects that will be taken to implement this mitigation plan.

#### 5.1 GOALS

Goal 1: Education/Coordination: Develop coordinated and proactive public policies, emergency plans and procedures, and educational programs that minimize the risk to the community from natural hazards and disasters.

From Anchorage 2020, LRTP, Housing & Community Development Consolidated Plan, Work Force & Economic Development Plan

*Objective 1.1 Increase coordination among Municipal departments.*

*Objective 1.2 Educate individuals and businesses about hazards, disaster preparedness and mitigation.*

*Objective 1.3 Increase coordination between hazard mitigation goals and existing and future plans, including the incorporation of effective hazard mitigation strategies into the Capital Improvement Program.*

*Objective 1.4 Coordinate with the Alaska Division of Insurance.*

*Objective 1.5 Educate public officials, developers, realtors, contractors, building owners and the general public about hazard risks and building requirements.*

*Objective 1.6 Partner with Municipal Departments and other agencies serving vulnerable populations to minimize harm in the event of an emergency.*

Goal 2: Land Use/Planning: Develop an urban place that develops in harmony with its natural setting and is mindful of its natural hazards.

From Anchorage 2020, LRTP, Housing & Community Development Consolidated Plan

*Objective 2.1 Continue to provide for floodplain management to protect residents and property from the hazards of development in floodplains.*

*Objective 2.2 Land use regulations shall include new design requirements that are responsive to Anchorage's climate and natural setting.*

*Objective 2.3 Use environmentally and conservation-friendly materials in mitigation projects whenever possible and economically feasible.*

*Objective 2.4 Adopt and enforce public policies to minimize impacts of development and enhance safe construction in high hazard areas.*

*Objective 2.5 Integrate new hazard and risk information into building codes and land use planning mechanisms.*

Goal 3: Emergency Management: Create and maintain a community where people and property are safe.

From Anchorage 2020, LRTP, Housing & Community Development Consolidated Plan, Work Force & Economic Development Plan

*Objective 3.1 Develop mechanisms in advance of a major emergency to cope with the subsequent rebuilding and recovery phases.*

*Objective 3.2 Consider the secondary effects of disasters, such as hazardous waste and hazardous materials spills when planning and developing mitigation projects.*

*Objective 3.3 Minimize increases in hazard vulnerability.*

*Objective 3.4 Ensure compliance with the Emergency Planning and Community Right-to-Know Act of 1986<sup>1</sup>.*

*Objective 3.5 Improve road connectivity for evacuation purposes.*

*Objective 3.6 Promote disaster contingency planning and facility safety among institutions that provide essential services such as food, clothing, shelter and health care.*

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<sup>1</sup> The Emergency Planning and Community Right-to-Know Act "establishes requirements for Federal, State and local governments, Indian Tribes, and industry regarding emergency planning and "Community Right-to-Know" reporting on hazardous and toxic chemicals. The Community Right-to-Know provisions help increase the public's knowledge and access to information on chemicals at individual facilities, their uses, and releases into the environment. States and communities, working with facilities, can use the information to improve chemical safety and protect public health and the environment" (EPA, 2000).

- Objective 3.7*     *Improve disaster warning systems.*
- Objective 3.8*     *Promote appropriate hazard mitigation of all public and privately-owned property within the Municipality of Anchorage including, but not limited to, residential units, commercial structures, educational institutions, health care facilities, public gathering places, and infrastructure systems.*
- Objective 3.9*     *Promote mitigation of historic buildings.*
- Objective 3.10*    *Promote post-disaster mitigation as part of repair and recovery.*

Goal 4:     Protection of Public/Critical Facilities: Make MOA-owned facilities as disaster-resistant as feasible

- Objective 4.1*     *Encourage a structural review of new facilities.*
- Objective 4.2*     *Consider known hazards when siting new facilities and systems.*
- Objective 4.3*     *Perform structural retrofitting of existing structures.*
- Objective 4.4*     *All public facilities should have a pollution prevention plan.*
- Objective 4.5*     *Incorporate non-structural mitigation into existing buildings.*
- Objective 4.6*     *Implement mitigation programs that protect critical Municipal facilities and services and promote reliability of lifeline systems to minimize impacts from hazards, to maintain operations, and to expedite recovery in an emergency.*
- Objective 4.7*     *Create redundancies for critical networks such as water, sewer, digital data, power and communications.*
- Objective 4.8*     *Formalize best practices for protecting systems and networks.*

Goal 5:     Support Wildfire Mitigation

- Objective 5.1*     *Support the AFD Wildfire Strategic Plan.*
- Objective 5.2*     *Promote FireWise Building design, siting and construction material.*
- Objective 5.3*     *Continue and Maintain vegetation management.*
- Objective 5.4*     *Maintain the wildfire risk model.*
- Objective 5.5*     *Develop additional water resources to reduce the ISO rating.*

Goal 6: Information: Ensure information is easy to access and up-to-date.

*Objective 6.1 Convert all hazard maps to a GIS format.*

*Objective 6.2 Identify hazards not already mapped.*

*Objective 6.3 Map all currently unmapped regulated flood-prone areas.*

*Objective 6.4 Record information about MOA declared disaster events including location, extent, and damage caused on a standardized template.*

*Objective 6.5 Update drainage studies.*

Goal 7. Economy/Business: Maintain Anchorage's (and the State's) economic vitality

*Objective 7.1 Partner with private sector, including small businesses, to promote structural and non-structural hazard mitigation as part of standard business practice.*

*Objective 7.2 Educate businesses about contingency planning citywide, targeting small businesses and those located in high risk areas.*

*Objective 7.3 Partner with private sector to promote employee education about disaster preparedness while on the job and at home.*

*Objective 7.4 Minimize economic loss.*

## 5.2 IMPLEMENTATION

### 5.2.1 Strategies

The MOA will implement the mitigation measures identified in this plan by using the comprehensive plan, capital Improvement Plan, and other hazard mitigation tools they have at their disposal.

While there are many different ways to mitigate hazards, not all are appropriate for all situations. Each situation must be evaluated in order to decide what activities are the most appropriate. General strategies that can be used to mitigate hazards include:

#### **Structural Features**

These features are designed to control the hazard and restrict the exposed area. The construction of a structure such as a dam, levee or avalanche deflection wall can lessen the impact of a hazard event. Structures are most appropriate to protect existing development. Structures can be incorporated into new development but this should be discouraged as in hazard prone areas. The following departments can implement this strategy:

- PM&E
- Public Works

### **Land Use Planning**

Land use planning can guide development away from hazard prone areas. Planning is more effective at protecting future development. The responsibility for land use planning is with the Planning Department.

### **Zoning**

Zoning ordinances regulate development by dividing a community into areas and by establishing development criteria for each area. They may restrict certain uses in hazard prone areas or add restrictions such as minimum elevations. Zoning is more effective with future development. Zoning can:

- Prevent new development in hazard prone areas
- Preserve or establish low densities in hazard prone areas
- Control changes in use and occupancy of structures in hazard prone areas
- Establish performance standards
- Require special use permits

The Planning department and the Planning and Zoning Commission have the primary responsibility for zoning in the MOA.

### **Subdivision Regulations**

Subdivision regulations govern how a parcel of land can be subdivided into two or more smaller parcels. It is better to incorporate mitigation measures into subdivision regulations before a parcel of land is developed. These regulations are better at protecting future development than existing development. The Planning Department and the Platting Board administers the MOA's subdivision regulations.

### **Capital Improvement Plan**

A Capital Improvement Plan (CIP) is used to guide major public expenditures for physical improvements over a given period of time. These expenditures can be used to mitigate existing and future development. For example, funds could be used to retrofit an existing structure. The lack of investment in infrastructure in hazard prone areas may also act to restrict development as it is too costly for a private developer to build the necessary improvements. All municipal departments have input into the CIP but the Office of Management & Budget is the coordinating department.

### **Open Space Preservation**

Open space preservation is a tool to keep existing open spaces in hazard prone areas from being developed. This prevents putting more people and facilities at risk. Open space is usually managed by the Parks & Recreation department.

### **Acquisition**

Acquisition involves purchasing property in high risk areas and demolishing any structures on it to prevent the structure from being damaged during a hazard event. The structure is demolished to ensure that it is not re-used in the future. This technique is more appropriate for mitigation existing structures. Many departments would be involved in the acquisition of property and structures.

### **Relocation**

Relocation is similar to acquisition except that any structures on the property are relocated out of a hazard prone area. The structure may be relocated to a different parcel or within the same parcel. This technique is also more appropriate for existing structures. Many departments would be involved in the relocation of structures.

### **Building Codes**

Building codes are a compilation of laws, regulations, ordinances, or other statutory requirements adopted by a government legislative authority relating to the physical structure of buildings. They establish minimum requirements regarding the construction of a structure to protect public health, safety, and welfare. They apply to new buildings as well as ones undergoing significant renovations which make them helpful in protecting new and existing development. Enforcement is essential in order for building codes to be an effective hazard mitigation tool. It is also less expensive and easier to incorporate mitigation measures into new structures than it is to retrofit existing ones. The Development Services department is responsible for administering the building code in Anchorage.

### **Insurance**

Insurance provides the funding to rebuild a structure and replace its contents after a hazard event. Insurance is appropriate for mitigating existing structures. The problem with insurance is that it can make it easier to rebuild in a hazard prone area creating a repetitive loss situation. The Risk Management department is responsible for ensuring the MOA's insurance needs are met.

### **Education**

Education involves teaching the public about potential natural hazards, the importance of mitigation, and how to prepare for emergency situations. It is used to inform residents, business owners, visitors, etc about the hazards in the area and what they can do to protect themselves and their property. Examples include real estate disclosure and training. Many departments within MOA can undertake education activities including OEM, Mayor's Office, and Planning.

### 5.2.2 ACTION PLAN

The action plan consists of specific activities or projects that will be used to implement the goals and objects of this hazard mitigation plan. The action plan contains many items that have no funding sources identified. The timelines are dependant upon obtaining funding. If and when funding becomes available, more specific timelines will be established. This list is just starting to be developed and will be updated as needed. For each item, several characteristics are listed including:

- Purpose – why is this item included in the action plan?
- How identified – how the action item was identified
- Coordination organization - the primary organization to implement the action item
- Objective – the objectives being implemented
- Hazard – what hazard is being addressed
- Status/Timeline – what stage the project is at or the target start date
- Priority – the priority of the project as determined by the process established in Appendix G (Departments have not begun to use this tool and priorities will be included in the next version of the mitigation plan.)
- Cost – the estimated cost of the project
- Potential funding sources – possible sources of funding

Action 1: Hold semi-annual meetings of the hazard mitigation committee  
Purpose: To discuss hazard mitigation related items on a regular basis  
How Identified: Consultant  
Coordinating Organization: OEM  
Objective: 1.1  
Hazard: All  
Status/Timeline: ongoing  
Priority: High  
Cost: to be completed  
Potential Funding Sources: general revenue

Action 2: The MOA shall develop a program to educate the community on the various methods of making structures and their contents more disaster-resistant, which would include workshops, literature and public safety announcements  
Purpose: To educate people about hazard mitigation  
How Identified: to be completed  
Coordinating Organization: Planning/AFD  
Objective: 1.2, 1.5, 7.1, 7.2, 7.3, 1.4, 5.1, 5.2  
Hazard: All  
Status/Timeline: 2-3 years  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: to be completed

Action 3: Continue the A.W.A.R.E. Program

Purpose: To continue educating residents on basic emergency response strategies

How Identified: Consultant

Coordinating Organization: Mayor's Office

Objective: 1.2, 1.5, 3.8

Hazard: All

Status/Timeline: ongoing

Priority: to be completed

Cost: to be completed

Potential Funding Sources: current funding/FEMA grant

Action 4: Develop a recovery plan

Purpose: To identify how hazard mitigation can be incorporated into the re-construction of the MOA after a hazard event

How Identified: Consultant

Coordinating Organization: OEM

Objective: 3.1, 3.10, 4.2

Hazard: All

Status/Timeline: 2 years

Priority: low

Cost: to be completed

Potential Funding Sources: FEMA grant

Action 5: The MOA shall continue to apply floodplain management regulations for development in the flood plain and floodway

Purpose: To continue to minimize vulnerability to flooding

How Identified: Consultant

Coordinating Organization: PM&E

Objective: 2.1

Hazard: Flood

Status/Timeline: ongoing

Priority: to be completed

Cost: \$100,000

Potential Funding Sources: current funding

Action 6: The City shall continue to utilize the FEMA's Flood Insurance Rate Map to define the special flood hazard area, the floodway and the floodplain

Purpose: To define the special flood hazard area, the floodway, and the floodplain in a consistent manner

How Identified: Consultant

Coordinating Organization: PM&E

Objective: 2.1

Hazard: Flood

Status/Timeline: ongoing  
Priority: to be completed  
Cost: \$100,000 per year  
Potential Funding Sources: current funding

Action 7: Develop a list of possible sites to purchase for floodplain mitigation

Purpose: To identify sites the MOA would like to consider purchasing  
How Identified: MOA Mitigation Planning Team  
Coordinating Organization: PM&E  
Objective: 2.1, 2.3  
Hazard: Flood  
Status/Timeline: 1 year  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: current funding

Action 8: Implement the four essential strategies to implement policy #41 of Anchorage 2020. The four strategies are: Design standards, land clearing standards, land use regulation amendment (Central Business zones), and landscape ordinance

Purpose: To make hazard mitigation better integrated with other Municipal plans and regulations  
How Identified: Anchorage 2020  
Coordinating Organization: Planning  
Objective: 1.3, 2.2, 2.4, 2.5  
Hazard: All  
Status/Timeline: 5-10 years  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: to be completed

Action 9: Evaluate existing development guidelines to identify which ones, if any, should be revised to incorporate hazard mitigation activities

Purpose: To help incorporate hazard mitigation into the activities of the MOA.  
How Identified: Consultant  
Coordinating Organization: Planning  
Objective: 2.5, 5.1, 5.2  
Hazard: All  
Status/Timeline: 5-10 years  
Priority: to be completed  
Cost: to be completed

Potential Funding Sources: to be completed

Action 10: Create a dam inundation overlay zone in the MOA GIS system of known dam inundation areas

Purpose: To determine if a dam inundation overlay zone is the appropriate way to minimize increases in vulnerability

How Identified: Consultant

Coordinating Organization: Project Management & Engineering/Planning

Objective: 6.1, 6.2

Hazard: Dam Failure

Status/Timeline: 1 year

Priority: to be completed

Cost: 1 week of staff time

Potential Funding Sources: current funding

Action 11: Conduct vulnerability analyses of shelters and traditional housing serving vulnerable populations

Purpose: Promote mitigation of all property

How Identified: by a Special Committee formed after a major earthquake exercise in 1994

Coordinating Organization: OEM

Objective: 1.6, 3.6

Hazard: All

Status/Timeline: On going project as staff and time allow (under 2 years)

Priority: to be completed

Cost: 5-10 Million

Potential Funding Sources: Existing Funding – seek additional funding from FEMA mitigation grant or other outside sources to expand program.

Action 12: Identify alternate connections between Eagle River and the Anchorage Bowl

Purpose: Provide additional access for response and evacuation purposes.

How Identified: MOA Mitigation Planning Team

Coordinating Organization: Transportation Planning

Objective: 3.5

Hazard: All

Timeframe: 2-3 years

Priority: to be completed

Cost: to be completed

Potential Funding Source: to be completed

Action 13: Review existing zoning to determine if additional wildfire mitigation measures could be incorporated

Purpose: To help incorporate wildfire mitigation measures into future development.

How Identified: Consultant

Coordinating Organization: Planning/AFD

Objective: 1.3, 2.2, 2.4, 2.5, 5.2

Hazard: Wildfire

Status/Timeline: 2-3 years

Priority: to be completed

Cost: to be completed

Potential Funding Source: to be completed

Action 14: Create a prioritized list of FIRMs that need to be updated

Purpose: As all the FIRMs can not be updated simultaneously, having a prioritized list would tell the city what to update when resources are available.

How Identified: MOA Mitigation Planning Team

Coordinating Organization: PM&E

Objective: 6.3

Hazard: Flooding

Status/Timeline: 1 year

Priority: to be completed

Cost: to be completed

Potential Funding Sources: General revenue, FEMA grant

Action 15: Digitize the ground failure maps from the Snow Avalanche & Mass-Wasting Hazard Analysis Glacier/Winner Creek Area, Alaska report.

Purpose: To make the data more accessible

How Identified: Consultant

Coordinating Organization: Planning

Objective: 6.1

Hazard: Ground Failure

Status/Timeline: 1 year

Priority: to be completed

Cost: 1 week of staff time

Potential Funding Sources: current funding

Action 16: Continue to require new MOA buildings to go through the FM Global Engineering Review

Purpose: To ensure MOA buildings are as disaster-resistant as feasible

How Identified: MOA Mitigation Planning Team

Coordinating Organization: Risk Management  
Objective: 6.1  
Hazard: All  
Status/Timeline: ongoing  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: current funding

Action 17: Develop siting requirements for facilities built with Municipal funds

Purpose: To minimize increases in vulnerability  
How Identified: Consultant  
Coordinating Organization: PM&E  
Objective: 4.2, 3.3, 3.2  
Hazard: All  
Status/Timeline: 6 months  
Priority: to be completed  
Cost: under \$10,000  
Potential Funding Sources: current funding

Action 18: Pursue funding to seismically retrofit City-owned facilities built before 1950

Purpose: To limit the amount of damage caused by an earthquake  
How Identified: MOA Mitigation Planning Team  
Coordinating Organization: M&O  
Objective: 3.9, 4.3, 2.3  
Hazard: Earthquake  
Status/Timeline: ongoing  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: to be completed

Action 19: Install gas shut-off valves in all MOA-owned public facilities

Purpose: To reduce the possibility of gas leaks after a hazard event  
How Identified: MOA Mitigation Planning Team  
Coordinating Organization: M&O  
Objective: 4.3, 4.6  
Hazard: Earthquake  
Status/Timeline: 3-5 years  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: to be completed

Action 20: Install gas shut-off valves in all ASD public schools

Purpose: To reduce the possibility of gas leaks after a hazard event  
How Identified: ASD  
Coordinating Organization: ASD  
Objective: 4.3, 4.6  
Hazard: Earthquake  
Status/Timeline: 10-20 years  
Priority: to be completed  
Cost: \$1,000,000  
Potential Funding Sources: to be completed

Action 21: Ensure school windows are shatter-resistant by installing a coating on the window or replacing the window.

Purpose: To prevent people from being injured by broken glass  
How Identified: ASD  
Coordinating Organization: ASD  
Objective: 4.3, 4.5, 4.6  
Hazard: Earthquake  
Status/Timeline: 20 years  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: to be completed

Action 22: Repair/replace the Lower Fire Lake Dam

Purpose: Prevent a failure of the dam  
How Identified: PM&E  
Coordinating Organization: PM&E  
Objective: 4.3  
Hazard: Dam Failure  
Timeframe: 1 – 5 years  
Cost: \$530,000  
Priority: High  
Cost: to be completed  
Potential Funding Sources: HMGP Grant, Legislature appropriation

Action 23: Retrofit the Lake of the Hills Dam

Purpose: The Lake of the Hill Dam does not meet current standards. It needs to be upgraded to reduce the chance of a dam failure.  
How Identified: PM&E  
Coordinating Organization: PM&E  
Objective: 4.3  
Hazard: Dam Failure  
Status/Timeline: 1 – 5 years  
Priority: to be completed  
Cost: to be completed

Potential Funding Sources: to be completed

Action 24: Port of Anchorage - seismic retrofit Terminal I piles

Purpose: The pile thickness underneath terminal I is below standard and could fail during an earthquake

How Identified: Port of Anchorage

Coordinating Organization: Port of Anchorage

Objective: 7.4

Hazard: Earthquake

Timeframe: to be completed

Cost: to be completed

Priority: to be completed

Cost: to be completed

Potential Funding Sources: to be completed

Action 25: Port of Anchorage - seismic retrofit Terminal I wells

Purpose: The wells beneath Terminal I need pile sleeves to prevent them from failing during an earthquake

How Identified: Port of Anchorage

Coordinating Organization: Port of Anchorage

Objective: 7.4

Hazard: Earthquake

Status/Timeline: to be completed

Priority: to be completed

Cost: to be completed

Potential Funding Sources: to be completed

Action 26: Port of Anchorage - seismic retrofit Terminal II – crane tie-downs

Purpose: Crane tie downs are necessary to keep the cranes from falling over during an earthquake

How Identified: Port of Anchorage

Coordinating Organization: Port of Anchorage

Objective: 7.4

Hazard: Earthquake

Status/Timeline: to be completed

Priority: to be completed

Cost: to be completed

Potential Funding Sources: to be completed

Action 27: Identify municipal fire stations, police stations and emergency facilities that need to be seismically retrofit or rebuild to current seismic standards

Purpose: To ensure the availability of emergency responders and their equipment after a hazard event  
How Identified: Consultant  
Coordinating Organization: M&O  
Objective: 4.6, 4.7, 4.3  
Hazard: Earthquake  
Status/Timeline: 1 year  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: Possible Capital Improvement Bond Issue. Seek grant funding from FEMA mitigation grant programs or other outside source as needed.

Action 28: Identify all MOA facilities that need a pollution prevention plan

Purpose: To manage storm water runoff  
How Identified: MOA Planning Team  
Coordinating Organization: PM&E  
Objective: 4.4, 2.3  
Hazard: Hazardous Materials  
Timeframe: 1 year  
Cost: to be completed  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: current funding

Action 29: Establish a template that documents the information FEMA wants on each hazard event

Purpose: To provide easy access to information regarding declared disaster events. A template would ensure the information being recorded on each event is consistent.  
How Identified: Consultant  
Coordinating Organization: OEM  
Objective: 6.4  
Hazard: All  
Status/Timeline: 1 year  
Priority: High  
Cost: to be completed  
Potential Funding Sources: current funding

Action 30: Increase the use of HAZUS Software

Purpose: Obtain improved vulnerability information.  
How Identified: OEM  
Coordinating Organization: OEM  
Objective: 3.3

Hazard: All  
Status/Timeline: 5 year  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: current funding

Action 31: Investigate the culvert near Arctic Boulevard and the Valley of the Moon Park as it is a source of localized flooding.

Purpose: To reduce localized flooding.  
How Identified: OEM  
Coordinating Organization: OEM  
Objective: 2.1, 3.8  
Hazard: All  
Status/Timeline: 2 years  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: current funding

Action 32: Maintain the wildfire risk model

Purpose: To ensure the risk model is using the most current information  
How Identified: AFD  
Coordinating Organization: AFD  
Objective: 5.4  
Hazard: Wildfire  
Status/Timeline: on-going  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: to be identified

Action 33: Continue and maintain vegetation management

Purpose: To limit the amount of fuel available for wildfires  
How Identified: AFD  
Coordinating Organization: OEM  
Objective: 5.3  
Hazard: Wildfire  
Status/Timeline: 1 year  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: current funding

Action 34: Develop additional water resources

Purpose: Developing additional water resources would assist in fighting wildfires.

How Identified: AFD  
Coordinating Organization: AFD  
Objective: 5.5  
Hazard: Wildfire  
Status/Timeline: to be completed  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: to be completed

Action 35: Develop a list of drainage studies needing updating  
Purpose: To identify which drainage studies need to be updated and to identify the order they should be updated in.  
How Identified: MOA Mitigation Planning Team  
Coordinating Organization: Watershed Management  
Objective: 6.5  
Hazard: Flood  
Status/Timeline: 1 year  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: current funding

Action 36: Continue to comply with Right to Know Act  
Purpose: To remain in compliance with the Emergency Planning & Community Right to Know Act.  
How Identified: MOA Mitigation Planning Team  
Coordinating Organization: Anchorage Local Emergency Planning Committee  
Objective: 3.4  
Hazard: Hazardous Materials  
Status/Timeline: on-going  
Priority: to be completed  
Cost: to be completed  
Potential Funding Sources: current funding

Action 37: Identify necessary warning system improvements  
Purpose: To provide improved warnings to the residents of Anchorage  
How Identified: OEM  
Coordinating Organization: OEM  
Objective: 3.7  
Hazard: All  
Status/Timeline: on-going  
Priority: to be completed  
Cost: to be completed

Potential Funding Sources: current funding although grants and other funds may be needed to implement the improvements