City of Houston
Hazard Mitigation Action Plan

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What is the Hazard Mitigation Action Plan (HMAP)?

- Mitigation: Mitigation is the effort to reduce loss of life and property by lessening the impact of disasters. Mitigation is taking action now—before the next disaster—to reduce human and financial consequences later (analyzing risk, reducing risk, insuring against risk).

(Source: FEMA.gov)
History of the HMAP

- Disaster Mitigation Act of 2000
  - Required for sustainment of:
    - Hazard Mitigation Grant Program
    - Pre-Disaster Mitigation – Competitive Grant Program
  - 2012 Revisions to the 2006 document
- Requested Action
  - Formal adoption by resolution of the 2012 revisions
Authority

- Disaster Mitigation Act of 2000
- 44 CFR 201.6 (Local Mitigation Plans)
HMAP Public Comment

1. Two Opportunities to Comment
   - January 2012 – Website, Social Media
   - October 2012 – Website, Social Media, Houston Chronicle
Houston’s Natural Hazards

- Flood
- Hurricane
- Tropical Storm
- Heat
- Tornado
- Severe Winter Storm
- Drought
- Hailstorm
- Lightning
- Expansive Soils

*Tropical Storm Allison 2001, Houston Chronicle*
HMAP Committees

Office of Emergency Management

Steering Committee
- OEM Mitigation Officer
- Public Works & Engineering
Sr. Asst. Director
- City of Houston Floodplain Office

Support/Program Staff
- OEM Mitigation Officer
- OEM Administrative Staff

Hazard Mitigation Committee
- Emergency Management Coordinator (EMC)
- Deputy EMC
- Public Information Officer
- City of Houston Floodplain Office
- Director, Public Works & Engineering Department
- Texas Medical Center
- Larner Consultants Inc.
Goals of the HMAP

1. Protect existing properties
2. Protect health & safety
3. Improve the quality of life in the community
4. Reduce the impact of natural disasters on people and property
5. Improve communication and coordination with other relevant organizations
Outline of the HMAP

1. Purpose
2. Planning Process
3. Risk Assessment
   1. Flooding
   2. Repetitive Loss
   3. Tropical Storm
   4. Hurricane
   5. Other Hazards
4. Mitigation Strategy & Initiatives
5. Maintenance: Monitoring, Evaluating and Updating
6. Appendices
Initiatives

1. Developing Ideas for Initiatives
2. Prioritizing Initiatives
   1. STAPLEE
   2. Cost-Benefit Analysis
3. Final Initiatives
   1. City of Houston
   2. Texas Medical Center
      1. Texas Children’s Hospital
      2. St. Dominic’s Assisted Living
      3. Ronald McDonald House
City of Houston Initiatives

- Planning: 5
- Acquisition/Reconstruction: 1
- Wastewater/Stormwater: 3
- Public Information Awareness: 6
- Community Support: 1
- Legal/Administrative: 3
- Building: 2
Texas Medical Center Initiatives

- Evacuation: 8
- Water - Potable: 10
- Wastewater/Storm Water: 3
- Planning: 5
- Common Operating Picture: 1
- Equipment: 2
- Electrical/Utilities: 2
- Building: 2
- Information Technology: 1
- Public Information: 2
- Roadways: 1
FEMA Mitigation Grants

1. Hurricane Ike Declaration (TX-DR-1791)
   - $2,597,197.00
   - Window Retrofits and Infrastructure Protection (901 Bagby, 900 Bagby, 14 HPD/HFD Stations, 611 Walker, HEC)

2. Wildfire Declarations
   - Parks & Recreation Pre-Disaster Mitigation Grant
     - TX-DR-1999 - $18,750.00
     - TX-DR-4029 – $15,000.00

3. Hurricane Dolly Declarations (TX-DR-1780)
   - $50,000.00
   - Current Mitigation Action Plan Projects
Current Status of HMAP

• Reviewed 3 times by the Texas Division of Emergency Management (TDEM)
• Reviewed 2 times by the Federal Emergency Management Agency (FEMA)
• Input from various departments, stakeholders and consultants
Requested Council Action

• The OEM requests that council adopt the Hazard Mitigation Action Plan by resolution to complete the projects under the remaining federal disaster declarations.