

CITY OF PFLUGERVILLE

Pflugerville (Past Action) – 1

	Action Item Description / Benefits	Pflugerville Parkway East (FM 685 to SH130) roadway project which will eliminate the low water crossing just east of FM 685. Priority: High
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MITIGATION ACTION DETAILS

Hazard Addressed	Flood
Lead Manager	City Engineer
Cost Estimate/Funding	\$3.8 Million
Schedule	2011-2012
Cost-Effectiveness	To be determined. Presumed cost-effective.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:

Completed. Mitigated a frequently inundated low water crossing along a minor arterial roadway. The project was locally funded with Certificates of Obligation. Project was completed in 2013, at a cost of \$2,655,526.

Pflugerville (Past Action) – 2

	Action Item Description / Benefits	Construct drainage improvements along Railroad Ave. by Gilleland Creek. Priority: Low
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MITIGATION ACTION DETAILS

Hazard Addressed	Flood
Lead Manager	City Engineer
Cost Estimate/Funding	\$350,000
Schedule	2014
Cost-Effectiveness	To be determined. Presumed cost-effective.
Status as of 2011	The City currently has funding in the amount of \$200,000 budgeted for this project. Project is currently on hold until additional funding is allocated for this project. Fiber optic line relocation is also required prior to initiating construction.

2017 Analysis:

Delete Action. Funds were reallocated.

Pflugerville (Past Action) – 3	
Action Item Description / Benefits	Pursue grant funding from FEMA’s Hazard Mitigation Grant Program (HMGP) and Flood Mitigation Assistance (FMA) program to receive assistance with mitigating (acquisition, elevation, etc.) flood prone properties within the City. Priority: Medium

MITIGATION ACTION DETAILS	
Hazard Addressed	Flood
Lead Manager	City Manager’s Office
Cost Estimate/Funding	Contingent on specifics of application; application prepared by City staff; anticipated non-federal match of 25% for FEMA programs.
Schedule	Unknown as of 2010 HMP update.
Cost-Effectiveness	Any projects submitted to FEMA grant programs subject to BCA to ensure cost-effectiveness.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Delete Action.

Pflugerville (Past Action) – 4	
Action Item Description / Benefits	Complete a detailed structural/engineering survey of City facilities to ensure their soundness with respect to resisting the effects of high winds and hail. Forms basis of decisions about any additional actions to mitigate risk. Priority: Low

MITIGATION ACTION DETAILS	
Hazard Addressed	Tornadoes, Straight-line Wind, Hail, Seismic events
Lead Manager	City Engineer
Cost Estimate/Funding	To be determined, but if initiated probably from City General Fund.
Schedule	TBD
Cost-Effectiveness	Not independently cost-effective, but the initial step in identifying appropriate mitigation actions.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Defer Action – Will include in the 2017 Plan Update. Add flooding to the list of hazards to evaluate.

Pflugerville (Past Action) – 5

Action Item Description / Benefits	Based on the results of the study in Action 4, initiate upgrades to at-risk City structures and/or infrastructure. Mitigates specific risks to structures, people and operations. Priority: Low
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MITIGATION ACTION DETAILS

Hazard Addressed	Tornadoes, Straight-line Wind, hail, Seismic events.
Lead Manager	City Engineer/Building Department
Cost Estimate/Funding	Varies depending on measure. Funding from City General Fund or FEMA grant programs.
Schedule	TBD based on study.
Cost-Effectiveness	Cost-effectiveness will vary with level of risk and project cost.
Status as of 2011	TBD, but likely to be initiated no earlier than 2011 and continue into 2012.

2017 Analysis:

Defer Action – Will include in the 2017 Plan Update. Related to pre-requisite action item #4, which was not completed.

Pflugerville (Past Action) – 6

Action Item Description / Benefits	Encourage the building of tornado safe community shelters. Encourage the installation of a tornado safe room in new public facilities or designated shelters. Priority: Low to Medium
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MITIGATION ACTION DETAILS

Hazard Addressed	Tornado, High Winds
Lead Manager	Building Department
Cost Estimate/Funding	Depends on size of shelter. Cost unknown until feasibility and scoping are completed.
Schedule	Unknown as of 2010 update.
Cost-Effectiveness	Cost-effective.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:

Defer Action – Will include in the 2017 Plan Update. Modify “Encourage” to “Evaluate” for both occurrences.

Pflugerville (Past Action) – 7	
Action Item Description / Benefits	Incorporate specific actions from the Pflugerville Action Plan that are designed to reduce flooding into the City’s Comprehensive Plan. Actions should be related to protecting existing and future development from increased flooding potential and erosion. Priority: Medium

MITIGATION ACTION DETAILS	
Hazard Addressed	Flood
Lead Manager	City Engineer
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	2011+
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Defer Action – Will include in the 2017 Plan Update. General Fund; anticipate initiating a Comprehensive Plan update in FY 2018 with completion by the end of FY 2020 (September 2020), and establishing a policy / regulation for integration into related plans and regulatory documents. Implementation primarily to follow adoption of comprehensive plan update, but evaluation of such opportunities would be ongoing.

Pflugerville (Past Action) – 8	
Action Item Description / Benefits	Promote the purchase of flood insurance. Advertise the availability of costs, and coverage of flood insurance through the National Flood Insurance Program (NFIP). Priority: Medium

MITIGATION ACTION DETAILS	
Hazard Addressed	Flood
Lead Manager	Building Department
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	Ongoing
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	In Spring 2010, a brochure titled “Living in the Floodplain” was distributed to all residents within 100 feet of a floodplain.

2017 Analysis:
Completed. Defer Action – Will include in the 2017 Plan Update. This is an annual action to fulfill Community Rating System (CRS) requirements. It was completed but should continue.

Pflugerville (Past Action) – 9

Action Item Description / Benefits	Increase public awareness of hazards and hazardous areas. Distribute public awareness information regarding flood hazards, SFHAs, and the potential mitigation measures using the local newspaper, utility bill inserts, inserts in the phone book, a City hazard awareness website, and an education program for school age children. Priority: Low to Medium
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MITIGATION ACTION DETAILS	
Hazard Addressed	All hazards, in particular flood
Lead Manager	Building Department
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	Ongoing
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Defer Action – Will include in the 2017 Plan Update. This action was partially completed, but not all of the methods were utilized. Reassign to Public Information Office.

Pflugerville (Past Action) – 10

Action Item Description / Benefits	NFIP Community Rating System (CRS): Look for opportunities to improve rating with the CRS. Priority: Low to Medium
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MITIGATION ACTION DETAILS	
Hazard Addressed	All hazards, in particular flood
Lead Manager	Building Department
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	Ongoing
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2010 HMP. Completed in 2010. Class 7 will become effective in May 2011.

2017 Analysis:
Completed. Defer Action – Will include in the 2017 Plan Update. The effort is ongoing. Pflugerville's CRS rating has slipped from a Class 7 to a Class 9.

Pflugerville (Past Action) – 11	
Action Item Description / Benefits	Sponsor a “Multi-Hazard Awareness Week” to educate the public on hurricanes, tornadoes (sheltering in place, evacuation, emergency preparedness, and structural retrofitting), flooding, (evacuation, emergency preparedness, retrofitting, and flood insurance), thunderstorms and lightning, (emergency preparedness) and hailstorms. Priority: Low to Medium

MITIGATION ACTION DETAILS	
Hazard Addressed	Multi-Hazard
Lead Manager	Public Information Office
Cost Estimate/Funding	\$5,000 City Budget and Grants
Schedule	Ongoing
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Defer Action – Will include in the 2017 Plan Update. Incorporate seasonally each year.

Pflugerville (Past Action) – 12	
Action Item Description / Benefits	Increase public awareness of hazards and hazardous areas. Distribute public awareness information regarding flood hazards, SFHAs, and the potential mitigation measures using the local newspaper, utility bill inserts, inserts in the phone book, a City hazard awareness website, and an education program for school age children or “how to” classes in retrofitting by local merchants. Integrate “Disaster Resistance Education” into the public school curriculum. Provide public education on the importance of maintaining ditches. Priority: Low to Medium

MITIGATION ACTION DETAILS	
Hazard Addressed	Multi-Hazard
Lead Manager	Building Department
Cost Estimate/Funding	\$15,000 City Budget and Grants
Schedule	Ongoing
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Completed. Defer Action – Will include in the 2017 Plan Update. This effort is ongoing. This action is generally redundant with Action No. 9.

Pflugerville (Past Action) – 13

Action Item Description / Benefits	Ensure adequate plans, procedures, and capabilities to respond to a dam failure. Priority: Medium
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MITIGATION ACTION DETAILS	
Hazard Addressed	Flood, Dam Failure
Lead Manager	City Engineer
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	2010
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2010 HMP. Pflugerville Dam Emergency Action Plan (EAP) submitted to TCEQ in December 2010. Pending approval.

2017 Analysis:

Completed. Defer Action – Will include in the 2017 Plan Update. This is an on-going activity, and should be included in the update. City Utility Fund. City performs inspections annually and TCEQ inspects every 5 years (last TCEQ inspection was February 2017).

Pflugerville (Past Action) – 14

Action Item Description / Benefits	Establish and maintain relationships with the State Geologic Survey of Texas and the U.S. Geologic Survey, with the purpose of ensuring the City has the most current available information about the potential for seismic events and landslides. Priority: Low
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MITIGATION ACTION DETAILS	
Hazard Addressed	Seismic events, Landslides
Lead Manager	Planning Department
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	Ongoing
Cost-Effectiveness	Not independently cost-effective, except that the action may prevent damages through early warning.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:

Delete Action. Project Prioritization Considerations.

Pflugerville (Past Action) – 15	
Action Item Description / Benefits	Continue to ensure that the City has adequate plans and resources in place to address risks posed by potential ice and snow hazards during winter storms. Priority: High

MITIGATION ACTION DETAILS	
Hazard Addressed	Winter Storms
Lead Manager	Public Works Department
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	Ongoing
Cost-Effectiveness	Cost-effective
Status as of 2011	Ongoing

2017 Analysis:
Defer Action – Will include in the 2017 Plan Update.

Pflugerville (Past Action) – 16	
Action Item Description / Benefits	Identify residential and non-residential structures that may be at risk from wildfire. Priority: Low

MITIGATION ACTION DETAILS	
Hazard Addressed	Wildfire
Lead Manager	Emergency Services District #2
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	2012
Cost-Effectiveness	Cost-effective
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Defer Action – Will include in the 2017 Plan Update. City of Pflugerville should be the lead.

Pflugerville (Past Action) – 17	
Action Item Description / Benefits	For at risk residential and non-residential structures, develop a wildfire vegetation maintenance program to trim back and remove vegetation near structures. Priority: Low

MITIGATION ACTION DETAILS	
Hazard Addressed	Wildfire
Lead Manager	Planning and Forestry Departments
Cost Estimate/Funding	Estimated at \$30,000, but also uses existing staff resources, City General Fund.
Schedule	Ongoing
Cost-Effectiveness	Cost-effective, depending on specific circumstances.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Completed. Parks Maintenance maintains 15-20 foot mow strips where parkland and drainage areas are adjacent to residential uses.

Pflugerville (Past Action) – 18	
Action Item Description / Benefits	Create plan for warming centers and shelters. Priority: Low

MITIGATION ACTION DETAILS	
Hazard Addressed	Winter Storm
Lead Manager	Police Department
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	2013
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Defer Action – Will include in the 2017 Plan Update.

SECTION 17: PREVIOUS ACTIONS

Pflugerville (Past Action) – 19	
Action Item Description / Benefits	Create cooperative relationship with news outlets for distributing information about winter storms. Priority: Low

MITIGATION ACTION DETAILS	
Hazard Addressed	Winter Storm
Lead Manager	Public Information Office
Cost Estimate/Funding	Cost Unknown, but uses existing staff resources, City General Fund.
Schedule	2011+
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Completed. Defer Action – Will include in the 2017 Plan Update. This is an on-going activity, and should be included in the update.

Pflugerville (Past Action) – 20	
Action Item Description / Benefits	Coordinate with the State to monitor and conserve existing water supplies in the County. Priority: Low

MITIGATION ACTION DETAILS	
Hazard Addressed	Drought
Lead Manager	Public Utilities Department
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	2011+
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Completed. Defer Action – Will include in the 2017 Plan Update. This is an on-going activity, and should be included in the update.

SECTION 17: PREVIOUS ACTIONS

Pflugerville (Past Action) – 21	
Action Item Description / Benefits	Enhance water and energy conservation at City facilities. Priority: Low to Medium

MITIGATION ACTION DETAILS	
Hazard Addressed	Drought
Lead Manager	Managing Director of Operations
Cost Estimate/Funding	Cost unknown, but uses existing staff resources, City General Fund.
Schedule	2011+
Cost-Effectiveness	Not independently cost-effective, but part of an overall strategy to implement cost-effective actions and projects.
Status as of 2011	Initiated in 2011 HMP update.

2017 Analysis:
Completed. Defer Action – Will include in the 2017 Plan Update. This is an on-going activity, and should be included in the update.