

Community/Agency: City of St. Charles_____

Reporting Year: 2019

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Kane County Natural Hazards Mitigation

Action Item Progress

1.	Building Code Improvements
<i>Adopt the latest International series of codes to improve the hazard protection standards for new construction and ensure a consistent set of building standards.</i>	
The City has adopted the 2015 International Building Code (Multi Family/Commercial) and the 2015 International Residential Code (Single Family)	
2.	Improved Code Enforcement
<i>Develop and conduct training for building department staff on the natural hazards aspects of the International Codes, regulation of mobile home installation, and the County stormwater ordinance and its flood protection, wetland protection, erosion and sediment control and best management practices.</i>	
No items to report.	
3.	Review of Plans and Development Regulations
<i>Incorporate mitigation provisions into comprehensive plans, land use plans, and zoning and subdivision ordinances.</i>	
The City of St. Charles Engineering Design and Inspection Policy Manual was adopted in October 2009 and was updated in late December 2013. Erosion control details are referenced to those provided by the Natural Resources Conservation Service as published in the Illinois Urban Manual, most current edition.	
4.	Retrofitting Incentives
<i>Establish a program of technical assistance and financial incentives to encourage property protection measure on private property.</i>	
The City of St. Charles continued to offer residents a program to reimburse them up to 50% of the cost, up to \$2,500 total, to install backflow prevention on their sewer service. This program is meant to help residents that have experienced past problems with sewerage backups.	
5.	Repetitive Loss Projects
<i>Protect the buildings in repetitive loss areas through acquisition or elevation.</i>	
No items to report.	

6.	Drainage Maintenance
<i>Implement a formal and regular drainage system maintenance program.</i>	
<p>Open channel inspections, both public and private, were conducted through the Public Works Department.</p> <p>Detention basin inspections, both public and private, were conducted through the Community Development Department.</p> <p>“No Dumping in Stream” signs are maintained at various waterway locations within the City.</p>	
7.	Urban Forestry
<i>Implement an urban forestry program that qualifies the municipality to become a Tree City, USA.</i>	
<p>St. Charles has been and continues to be a Tree City, USA recipient. The City has an ongoing program to remove trees on public property that are diseased or found to be infected with Emerald Ash Borer.</p>	
8.	Flood Threat Recognition
<i>Continue current funding of rain and stream gages throughout the county.</i>	
<p>Continuing in 2019 a link has been made available on the City’s Floodplain Page to the Fox River gauge in Algonquin, IL. During periods of high water the City monitors river elevations in the downtown area.</p> <p>Continuing in 2019 a link has been made available on the City’s Floodplain Page to USGS Gauge No. 05551200 on Ferson Creek.</p>	
9.	Improved Emergency Response
<i>Conduct a review of emergency response plans and programs.</i>	
<p>The new police facility on West Main Street was completed in 2019. The new building replaces the existing police station along the Fox River which was impacted by the 500 year floodplain.</p>	
10.	Flood Control Projects
<i>Implement flood control projects, including farm drainage improvements and projects to improve bridges and culverts, where they prove to be the most appropriate approach to reduce flood damage.</i>	
<p>City repaired the dual culvert crossing on 7th Avenue Creek at John Deutsch Drive.</p> <p>The City continued the process of developing improvement plans for 7th Avenue Creek and 7th Avenue Creek Tributary. The goal of the improvements is to address flooding along the creek and</p>	

tributary, minimize stream erosion, improve stream ecology, and identify options that will improve aesthetics and revitalize the neighborhood along the project corridor.

The City acquired and demolished a home along 7th Avenue Creek that was impacted by floodway per the preliminary flood maps. The proposed flood mapping is scheduled to become effective in 2020.

11. Hazard Mitigation Materials

Prepare background information, articles, and other explanations of hazard mitigation topics.

Continuing in 2019 hazard mitigation brochures were made available to the public through the Public Works Division, the Building and Code Enforcement Office and the City website. Topics from the information brochures are regularly published in the City's newsletter.

12. Outreach Projects

Prepare and disseminate mitigation information based on the materials provided under action item 11.

Continuing in 2019 the City has maintained a "Floodplain Page". Elevation certificates on file are available through the City's website, as well as FEMA Letters of Map change. There are numerous links to resources to assist residents with drainage concerns.

13. Plan Adoption

Adopt the Natural Hazards Mitigation Plan by passing a resolution.

The City has adopted the most current Natural Hazard Mitigation plan from Kane County.

14. Mitigation Committee

The Natural Hazards Planning Committee has been converted to a permanent advisory body.

No items to report.

15. Community Rating System

Determine whether to apply for a Community Rating System flood insurance premium rate discount.

The City was notified in 2019 that it has maintained its CRS Class 5 rating.