

Community/Agency: City of St. Charles_____

Reporting Year: 2018

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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. This manual contains the specification the installation of utilities and roadway, as well as inspection procedures. 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>The City first adopted a Stormwater Management Program Plan (SMPP) in 2009. The current version is considered effective as of January 1, 2010. The purpose of the SMPP is to meet the minimum standards required by the USEPA under the National Pollutant Discharge Elimination System (NPDES) Phase II program. The annual NPDES report was submitted to the IEPA in June of 2018.</p> <p>Ongoing inspection and monitoring of open channels within the City. Cleanup of debris as needed.</p> <p>Ongoing monitoring of 7th Avenue Creek at Illinois, 8th and 9th Avenues.</p> <p>Detention basin inspections, both public and private, were conducted through the Community Development Department. Letters were sent to property owners if pond maintenance was required.</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 2018 a link has been made available on the City’s Floodplain Page to the Fox River gauge in Algonquin, IL. Monitoring this gauge gives the City and residents time to respond to flooding along the river.</p> <p>Continuing in 2018 a link has been made available on the City’s Floodplain Page to USGA Gauge No. 05551200 on Ferson Creek. This gauge displays precipitation amounts, the volume of stream flow and the gauge height on the creek.</p>	
9.	Improved Emergency Response
<i>Conduct a review of emergency response plans and programs.</i>	
<p>As part of emergency preparedness, the City was certified as a Storm Ready Community in 2014.</p> <p>Work began on a new police facility on West Main Street. The new building will replace the existing police station along the Fox River which is 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>	

As part of the 2018 MFT program the City replaced culverts and regraded ditch lines on Campton Hills Road west of Peck Road.

During 2018 the City made repairs to dual culvert crossing on South 7th Avenue north of Fern Avenue.

During 2018 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 tributary, minimize stream erosion, improve stream ecology, and identify options that will improve aesthetics and revitalize the neighborhood along the project corridor.

11. Hazard Mitigation Materials

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

Continuing in 2018 hazard mitigation brochures were made available to the public through the Public Works Division, the Building and Code Enforcement Office and the City website. These documents are updated as needed. 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 2018 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.

The City mailed outreach letters to floodplain and repetitive loss property owners in 2018. The City also mailed outreach letters to local lenders, real estate agents and insurance offices in 2018.

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 had a Community Rating System cycle visit in May 2018. The City currently holds a class 5 CRS rating.