

CRS Activity 510

2023 Progress Report on Implementation Plan

Date this report was prepared – December 1, 2023

Community Name – City of Maryland Heights, MO

Name of Plan – St. Louis Regional All Hazard Mitigation Plan 2020 – 2025

Date of Adopted – October 7, 2021

5 Year CRS Expiration Date - November 17, 2027

Mitigation Plan Expiration Date – March 20, 2025

1. *How can a copy of the original plan or area analysis report be obtained:*

A copy of the St. Louis All Hazards Mitigation Plan may be found on the City of Maryland Heights website at this link: www.marylandheights.com/flood

2. *Describe how this evaluation report was prepared and how it was submitted to the governing body, released to the media and made available to the public:*

The CRS Activity 510 - 2023 Progress Report on Implementation Plan has been prepared by Michael Zeek, Director of Community Development and Floodplain Manager, for the City of Maryland Heights. The report is an analysis of the activities undertaken by the City during the previous calendar year. All of the action items have been reviewed with the assistance of other city departments, the Metropolitan St. Louis Sewer District, levee districts, and fire protection districts which serve the City.

The report has been made available to the City Council, Mayor and City Administrator via direct email. The report is available to the media and the public on the City of Maryland Heights website. At this link: www.marylandheights.com/flood

3. *Provide a description of the implementation of each recommendation or action item in the action plan or area analysis report, including a statement on how the project was implemented or not implemented during the previous year:*

The implementation status of each recommended action item is attached to this report as a supplement. A detailed summary of floodplain related mitigation items follows.

Item 4 Floods

4a – Protect stream buffers from development.

The City has established stream buffers for all properties and restricts development in these areas. These restrictions have been adopted by ordinance and enforced on all construction projects. The City has also incorporated this information in the City's GIS system for easy visualization.

4b – Use floodplain best management practices.

The Floodplain Manager continues to utilize best management practices in the daily performance of his duties.

4c – Join FEMA Community Rating System.

This task has been completed. The City of Maryland Heights is currently a Class 8 community. We continue to examine areas for improvement of our current classification.

4d – Use Green Infrastructure to manage stormwater where it falls.

The City continues to comply with the requirements of Metropolitan St. Louis Sewer District, which restricts stormwater runoff on a developed property from increasing more than 2 cubic feet per second from its pre-developed condition. In addition, storm water management is required to be provided with on-site treatment through the use of sand filtration, rain gardens, and other methods prior to discharge from the site.

4e – Buyout frequently flooded properties.

The City submitted an application for flood buyout assistance for one property in 2022, which was subsequently approved by FEMA in 2023.

4. Discuss why any objectives were not reached or implementation is behind schedule:

The objectives contained in the report related to floodplain management have been met. Several of the objectives are classified as ongoing due to the need to remain vigilant when reviewing projects for approval.

5. What are the recommendations for new projects or revised recommendations:

The City of Maryland Heights utilizes the Capital Improvement Program, which includes a number of stormwater improvement projects annually. Such projects include:

Creek bank stabilization.

Relocation of storm sewer outfalls and slope repair.

Creek debris removal and other small improvement projects.

<u>Name - Michael Zeek</u>	PRIORITY			ACTION			2023 STATUS
Title - Director of Community Development	H- High			O- Ongoing			P- Pending
Community City of Maryland Heights	M- Medium			C- Complete			C- Complete
Date - December 1, 2023	L- Low			D- Deferred			NF- No Funding
							AF- Applied/Funding
							D- Deferred
							N/A- Not Applicable
ACTIONS							
1. Public Awareness for All Disasters							
a. Create and strengthen COADs to prepare for disaster	H	M	L	O	C	D	O
b. Participate in Ready Campaign	H	M	L	O	C	D	O
c. Participate and support CERT for citizen volunteers	H	M	L	O	C	D	O
d. Educate the public and local officials about relevant hazards	H	M	L	O	C	D	O
e. Promote public awareness about 211 Service	H	M	L	O	C	D	O
2. Public Actions to Support All Disasters							
a. Build safe rooms that can also function as relief centers	H	M	L	O	C	D	O
b. Create and improve early warning systems for all disasters, including sirens and call systems, e.g. reverse 911	H	M	L	O	C	D	O
c. Integrate communications systems for rapid response	H	M	L	O	C	D	O
d. Conduct assessment of risk for all natural disasters	H	M	L	O	C	D	O
e. Joint purchases of supplies (e.g., rock salt)	H	M	L	O	C	D	O
3. Tornado							
a. Build safe rooms for schools, community centers, and mobile home parks	H	M	L	O	C	D	O
b. Develop early warning systems for vulnerable communities	H	M	L	O	C	D	C
4. Floods							
a. Protect stream buffers from development	H	M	L	O	C	D	O
b. Use floodplain best management practices	H	M	L	O	C	D	O
c. Join FEMA Community Rating System	H	M	L	O	C	D	C
d. Use Green Infrastructure to manage stormwater where it falls	H	M	L	O	C	D	O
e. Buy out frequently flooded properties	H	M	L	O	C	D	P
5. Extreme Weather (heat and cold)							
a. Create neighborhood support initiatives	H	M	L	O	C	D	D
b. Establish relief centers and encourage people to use the centers	H	M	L	O	C	D	O
6. Wildfire							
a. Develop coordinated response systems among fire districts and departments	H	M	L	O	C	D	O
b. Restrict open burning	H	M	L	O	C	D	O
7. Earthquake							
a. Improve early warning systems	H	M	L	O	C	D	D
b. Review and update building codes	H	M	L	O	C	D	P
c. Integrate communications systems for rapid response	H	M	L	O	C	D	C
d. Promote individual/household preparation (including strengthening structures)	H	M	L	O	C	D	O
8. Dam Failure - There are no dams in the City of Maryland Heights							
a. Encourage annual inspection of dams	H	M	L	O	C	D	N/A
b. Improve structural integrity of dams, using incentives where necessary	H	M	L	O	C	D	N/A
c. Educate dam owners on responsibilities and liabilities	H	M	L	O	C	D	N/A