



PUBLIC WORKS DEPARTMENT - ENGINEERING
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CRS Activity 510

Progress Report on Implementation of Credited Plan

Date this Report was Prepared: April 16, 2021

Name of Community: City of Arvada, CO - 08072

Name of Plan: Jefferson County Multi-Hazard Mitigation Plan

Date of Adoption of Plan: December 2016

5 Year CRS Expiration Date: April 2021

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

<https://www.jeffco.us/documentcenter/view/482>

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 City of Arvada is actively participating in the process of updating the Jefferson County Multi-Hazard Mitigation Plan (referenced above) in 2020-2021 per the five-year update cycle required by FEMA and the Federal Disaster Mitigation Act of 2000 for a jurisdiction to qualify for Federal Hazard Mitigation Grant funds. This plan builds on accumulated efforts from the previous planning mechanisms that align with the planning regulations set forth by the Disaster Mitigation Act of 2000 (DMA). A resolution to approve and adopt the Jefferson County Multi-Hazard Mitigation Plan, Comprehensive Update in 2021, will be presented to Arvada City Council upon completion of the update.

Arvada's floodplain administrator prepared this 510 evaluation report after obtaining project status updates from the responsible parties within the City. The evaluation report was made available to Arvada's governing body via the Arvada weekly briefs, Friday council update, and posted for the general public on the City's website.

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 City of Arvada's Mitigation Action Plan Summary is in Table 5.3 (282&283/629) of the 2016 Jefferson County Multi-Hazard Mitigation Plan. The summary table includes 6 items for the City of Arvada, which are listed below;

Mitigation Action Number	Mitigation Action Title	Hazard	Implementation Status
1	Leyden Creek Improvements	Flood	The stakeholders have not secured funding for this project. Therefore, the improvements are still in the planning phase. A revised schedule will be developed when Arvada and the other stakeholders can secure a funding source.
2	Multi-Jurisdictional Storm Ready Program Participation	Hailstorm, Extreme Temps, Severe Winter Storms, Lightning, Tornado, and Windstorm	Arvada renewed its status with the National Weather Service (NWS) as a City Storm Ready Community in October 2020. This recognition is valid for 3 years and will expire on August 22, 2023.
3	UDF Master Plan Implementation	Flood	The Storm Drainage Master Plan is currently underway and will be completed by the summer of 2021. Arvada continues to work with the Mile High Flood District (previously Urban Drainage and Flood Control District) on updating Master Plans and implementing their project. On-schedule.
4	Environmental damage protection	Erosion	Continuing to use short-term solutions until a more permanent improvement can be funded. On-schedule
5	Road Weather Information Systems (RWIS)	Severe Winter Storms	The mitigation project has been deferred until funding becomes available.
6	Continue to Implement Sound Floodplain Management Practices through Participation in the National Flood Insurance Program	Flood	Floodplain management is an ongoing mitigation action that is currently on schedule.

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

The objectives and implementation schedules are detailed above.

5. *What are the recommendations for new projects or revised recommendations?*

The City of Arvada has identified 11 new projects to add to the Hazard Mitigation Action Plan update of 2021. See the table below for descriptions of the new projects.

Mitigation Action Number	Hazard	Mitigation Action Title	Project Description, Background, Issue, Benefits
NEW- 1	Flood, Wildfire, Extreme Temperatures, Winter Storm, Drought, Wind	Hazard and Risk Public Education and Awareness	City staff to reach out to residents and businesses to access to education about emergency preparedness through awareness campaigns, events, public outreach, website, social media, and workshops.
NEW - 2	Flood, Wildfire, Extreme Temperatures, Winter Storm, Drought, Wind	Alert and Warning Public Education and Awareness (CodeRed)	City staff to reach out to residents and businesses to access to education about alert and warning through awareness campaigns, events, public outreach, website, social media, and workshops.
NEW - 3	Wildfire, Wind, Drought	Arvada Fire/City of Arvada Office of Emergency Management Collaboration	Continue partnership with Arvada Fire and other organizations to implement joint neighborhood-level resilience and community risk reduction work.
NEW - 4	All	Partner with Arvada Economic Development Association (AEDA) to foster local business emergency preparedness.	Engage with the Retention Committee on regular basis to hear from local businesses. Develop local business preparedness toolkit in collaboration with AEDA.
NEW - 5	All	Continue "Resilient Arvada" partnership	Partnership between City of Arvada Office of Emergency Management and Neighbors Connected Program to foster emergency preparedness at the neighborhood level (Talent Bank, neighborhood meeting places, etc).
NEW - 6	Wildfire, Wind, Drought	Develop a CWPP in partnership with Arvada Fire and Clear Creek Fire District	Both organizations have the goal of developing a CWPP for Arvada. This plan will identify the risks associated with development in the WUI/PUI and the projects that will mitigate the risk. Implementation of the projects is an interest of neighborhood-level groups like HOAs. Though Arvada does not have the highest risk for hazards typically identified in a CWPP, there is absolutely a benefit with understanding our specific risk better and working to minimize it as best we can as the City continues to grow in the PUI and toward the WUI.

NEW - 7	Flood	Ralston Creek Improvements - Vance Street to Wadsworth By-Pass	This project aims to remove approximately twenty residential properties in the 100-year floodway of Ralston Creek from just upstream of Vance Street to Wadsworth By-Pass. A detailed solution has not been identified, but it will probably be a combination of channel improvements and purchasing flood-prone properties.
NEW - 8	Flood	City Wide Vegetation Management Program	The purpose of this program would be to proactively manage overgrown vegetation and dying trees along open channel drainageways within the City. This effort would restore the channel's roughness coefficients to a comparable value modeled in the Flood Insurance Studies. Additionally, this work would be coupled with tree mitigation efforts at strategic locations throughout the City.
NEW - 9	Flood	Ralston Creek at Ward Rd	The purpose of this project is to replace the Ward Road bridge and increase channel capacity. This project was identified in the Ralston Creek US Army Corp Study of 2018 as part of the preferred alternative. The benefits of this project would reduce the floodplain footprint resulting in fewer structures within the regulatory floodplain. Additionally, the improvement would help protect critical water distribution pipes in the area.
NEW - 10	All	suggested item: Practice / Mock exercises	Annual or regular program of table top exercises and mock all hazard event practices to keep team sharp and identify emerging gaps.
NEW - 11	All	Public education around flood hazard	Develop a public education curriculum