

2025 Louisville and Jefferson County Floodplain Management Plan Annual Report



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1.0 Overview

This Floodplain Management Plan Annual Report is an update of the original 2023 Floodplain Management Plan, which can be found at: <https://louisvillemetro.org/programs/floodplain-management/flood-related-documents>. The plan includes the area defined as the Louisville and Jefferson County Metro Government (Louisville Metro), Kentucky.

Flooding is the most significant natural hazard in Kentucky. Major flooding occurs in the state almost every year, and it is not unusual for multiple floods to occur in the Louisville Metro area in a single year. Flooding is Kentucky's most costly natural disaster. The economic, social, and physical damage resulting from floods can be severe.

Floods are natural events for rivers and streams, resulting in an overflow of water onto dry land. The floodwaters can be slow- or fast-rising. Thunderstorms, snow melt, tropical systems, or decayed hurricanes can all cause waterways to overflow banks and inundate the surrounding areas.

The Floodplain Management Plan was created using the Community Rating System's 10-Step Planning Process. The plan is an extension of the Louisville Metro 2023 Hazard Mitigation Plan. The purpose of the Hazard Mitigation Plan is to help to reduce or eliminate potential losses from future disasters, such as flooding, tornadoes, and earthquakes. Hazard mitigation planning helps to establish and maintain a process that leads to the implementation of hazard mitigation actions. The Floodplain Management Plan specifically focuses on hazards related to flooding.

The Louisville Metro area is drained by two major drainage systems: (1) the Ohio River and (2) the Salt River. The Ohio River receives discharges from Mill Creek, Beargrass Creek, Goose Creek, Harrods Creek, and the combined sewer system. Cedar Creek and Pennsylvania Run discharge into Floyds Fork, which in turn, discharges in the Salt River. The Salt River also receives discharge from Pond Creek near its confluence with the Ohio River.

Information regarding land use, topography, development, and population trends and how these factors impact flooding can be found in the 2023 Floodplain Management Plan.

<https://louisvillemetro.org/programs/floodplain-management/flood-related-documents>

The original Floodplain Management Plan was prepared by a planning committee that was comprised of staff from departments that implement or have expertise in preventative measures, property protection, natural resource protection, emergency services, structural flood control projects, public information, land use and comprehensive planning, and public works. The public were also invited to participate as planning committee members. These meetings were held in-person, but also had a virtual option for attendance. Meetings were advertised to the public on MSD's website. Public involvement in the planning process was encouraged through the public meetings, MSD's website, and a public survey.

The Floodplain Management Plan 2025 Annual Update was prepared by MSD staff and was shared with Louisville Metro Council members via email. The annual update was also shared with the media through a press release and made available to the public on MSD's website at:

<https://louisvillemetro.org/programs/floodplain-management/flood-related-documents>.

2.0 Action Plan

The goals for the Floodplain Management Plan are shown in Table 1 below. These goals were used to help guide proposed mitigation projects listed in the Action Plan, which can be found in Appendix 1. The action plan was created in two parts. Floodplain and dam/levee projects were initially developed for the Hazard Mitigation Plan. The Floodplain Management Plan Committee decided to adopt the Hazard Mitigation Plan projects related to flooding and dam and levee failure, but also added additional projects to supplement the projects listed in the Hazard Mitigation Plan.

Table 1. Floodplain Management Plan Goals

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| 1. | Reduce the loss of life and injuries that could be caused by flooding. |
| 2. | Reduce the impacts to property that could be caused by flooding. |
| 3. | Promote flood safety and awareness of flood impacts. |
| 4. | Protect and improve natural floodplain functions. |

Projects are organized into six categories, Preventative Actions, Property Protection, Natural Resource Protection, Emergency Services, Structural Projects, and Public Information. Projects added by the Floodplain Management Plan committee are shown below.

1. Reduce the loss of life and injuries that could be caused by flooding.

Activities:

- FMP1 - Provide more education about turn around, don't drown and emergency planning.
- FMP2 - Promote the use of available emergency notification methods.

2. Reduce the impacts to property that could be caused by flooding.

Activities:

- FMP3 - Increase outreach for flood insurance and CRS knowledge.
- FMP4 - Compare current flood mapping with available flood mapping that considers climate change to identify those areas most impacted by future increased rainfall events.

3. Promote flood safety and awareness of flood impacts.

Activities:

- FMP5 - Expand audience of flood messaging by sharing outreach materials with partners.
- FMP6 - Work with Metro TV or similar outlets to present educational information on exploring watersheds and the Ohio River.
- FMP7 - Expand outreach education to include flood pump station function and the flood protection infrastructure required to keep the city safe.

4. Protect and improve natural floodplain functions.

Activities:

- FMP8 - Promote the use of green infrastructure through social media, workshops, etc.
- FMP9 - Promote the retention of riparian buffer zones and improvement of existing buffer zones.
- FMP10 - Promote existing MSD program that provides stormwater bill reduction for non-residential properties that infiltrate stormwater and investigate how this program could be expanded to create incentives for homeowners to install rain gardens or other green infrastructure.

MSD coordinated with the Lead Agencies listed in the Action Plan to determine the updates for each of the projects listed in the Action Plan. These updates can be found in Appendix 1. The majority of the projects are on schedule and tasks are being completed. Deviations from the original projects are listed in the project update. No new projects have been proposed to be included in the Floodplain Management Plan at this time.



Appendix A

Action Plan

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2023 FLOODPLAIN MANAGEMENT PLAN ACTIONS											
CRS Topic	Action No.	Type of Activity or Project	New Building and Infrastructure	Proposed Schedule	Lead Agency	Alignment with Haz Mit Plan Goals	Funding	Cost (L-M-H)	Benefit (L-M-H)	Priority (L-M-H)	2025 Project Update
Preventative Activities	2.1	Review/Update Floodplain Ordinance: 1. Review existing Floodplain Ordinance and propose changes to improve safety and resiliency, as well as improve ordinance administration as needed/required.	No	Ongoing	MSD	Goal 1 Goal 3 Goal 4 Goal 6	Normal Operating Budget	L	H	H	Floodplain Ordinance is currently under review by MSD internal staff to determine any recommended updates. The current ordinance can be found at: https://codelibrary.amlegal.com/codes/louisvillemetro/latest/louky metro/0-0-0-17092
	2.2	Flood studies for mitigation: 2. Continue to update flood models in areas with known flooding issues and problematic modeling, including the 10-year flood intervals.	No	Ongoing	MSD	Goal 5 Goal 7	Normal Operating Budget, Grants	L	H	H	Updated flood studies were adopted for Middle Fork and Black Pond Creek.
	2.4	Review feasibility and construct regional stormwater/flood control basins: 5. Review feasibility and construct new regional stormwater/flood control basins 6. Prepare grant applications as funds become available	Yes	Ongoing	MSD	Goal 1 Goal 2	Grants	H	H	H	MSD is currently working with a consultant to determine potential regional solutions to reduce flooding in the Northern Ditch watershed near the confluence of Northern and Southern Ditch.
	2.18	Conduct a Big Run Flood Mitigation Study: 29. A grant application has been submitted to FEMA for review for conducting a flood mitigation study to determine potential projects needed to reduce flooding impacts from Big Run.	No	1-5 Years	MSD	Goal 3	Grants	H	H	H	Grant application was submitted and is awaiting FEMA approval.
	2.19	Continue Drive In Branch Flood Basin Project: 30. Drive In Branch, a tributary of Big Run, is currently being studied to investigate potential benefits of improvements to existing storage basins and channels in mitigating localized flooding. Alternatives being evaluated in the study are expansion of storage basin volumes, incorporation of green management practices and channel restoration.	No	Ongoing	MSD	Goal 3	Normal Operating Budget	L	H	H	Selected alternatives were included in the Mill Creek Watershed Plan and are being reviewed internally.
	2.23	Northern Ditch Watershed Mitigation Project: 34. Preliminary approval has been given for a grant to evaluate the Northern Ditch watershed for mitigation opportunities. A location near West Indian Trail has been identified for a potential regional detention basin and would be included in this study. This basin would create additional storage volume for the Pond Creek Watershed during major flooding events.	Yes	1-3 Years	MSD	Goal 3	Normal Operating Budget	H	H	H	Based on the flood modeling completed, a flood control basin in this location would not significantly reduce flooding in this area.

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Preventative Activities	3.1	Risk assessment: develop a Dam and Levee Risk Assessment with best available data. Phase 1: Verify locations for existing dams. Develop data inventory of all dams within Louisville Metro area. Steps include: 1. Collect data from KDOW for locations and assessment of the State-Owned dams. 2. Perform research in the State Dam Safety Program records, which requires an Open Records request to the KDOW. 3. Research records and locations of dams within metro boundaries. 4. From research, collect other important data, e.g. current EOPs, dam materials, past inspections, violations, etc. 5. Collect inventory of dam locations and geo-code. 6. Verify which Class C dams have an EOP.	Yes	Ongoing	MSD LOJIC KDOW	Goal 1 Goal 5 Goal 7	Normal Operating Budget	L	H	H	USACE has created a National Inventory of Dams, which is publicly available and includes the dams located in Louisville Metro. If dams are found that are not included in the database, they are sent to the Division of Water to determine if they should be added. Inspection and maintenance is the responsibility of the dam owner. EOPs for MSD owned dams were updated in 2023, including all high hazard/Class C dams, as well as the Buechel and Vulcan basins.
	3.2	Risk assessment: develop a Dam and Levee Risk Assessment with best available data. Phase 2: Perform Risk Assessments on Class B and C Dams, High-Hazard Dams 7. Verify all Class C dams have and maintain an EOP (using a newly developed template and tied to above action item results). 8. Verify downstream warning system, public notice, etc. are included in EOP. Class B, Moderate/Significant Risk Dams 9. Assess Class B dams for any downstream construction that might raise dam classification	No	Ongoing	MSD	Goal 1 Goal 5	Normal Operating Budget	L	H	H	EOPs for MSD owned dams were updated in 2023, including all high hazard/Class C dams, as well as the Buechel and Vulcan basins, which are Class B dams. Level sensors have been added to MSD operated dams and were commissioned in January 2025.
	3.3	Inspect dams for failure and removal or replace unsafe dams: 10. After inspections, unsafe dams will be addressed to determine next steps for repair and/or removal of dams. An unsafe dam would move to a Priority A project for immediate action. * Project dependent upon dam inventory and assessment (Phases 1 & 2)	Yes	Ongoing	KDOW	Goal 1 Goal 2 Goal 3 Goal 5	Others	H	H	H	The Division of Water inspects dams through their dam safety program. MSD dams are inspected annually and repaired as needed.
	3.4	Continue evaluation to levee and flood protection systems: 11. Continue to evaluate Ohio River Flood Protection Systems and large pump stations (i.e. Beargrass Creek). Partner with USACE on both regulatory driven annual and five-year inspections	No	Ongoing	MSD USACE	Goal 1 Goal 2 Goal 3	Normal Operating Budget	H	M	H	MSD continues to work with USACE on the rehabilitation and inspection program to ensure operational and maintenance compliance.
	FMP4	Climate Change Flood Risk Assessment: Compare current flood mapping with available flood mapping that considers climate change to identify those areas most impacted by future increased rainfall events.	No	FY24	MSD	Goal 2	Normal Operating Budget	M	M	M	Project is on hold

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Property Protection	2.3	Continue floodplain buyouts throughout the county: 3. Identify repetitive loss, severe repetitive loss candidates, and other floodprone properties. 4. Prepare grant applications as funds become available.	No	Ongoing	MSD	Goal 1 Goal 4 Goal 8	Grants	H	H	H	MSD continues to submit FEMA grants for floodplain buyouts for repetively flooded homes within Louisville Metro as funds are available. Two new grant applications were submitted in April 2025.
	2.12	Elevation of floodprone properties: 20. Determine if elevation is feasible and cost effective for existing floodprone homes. 21. If feasible, elevate homes to at least one foot above the local regulatory floodplain elevation.	No	Ongoing	MSD	Goal 1 Goal 3 Goal 8	Grants	H	H	L	No elevation projects have been identified at this time.
	2.16	Protect existing buildings and infrastructure: 27. Target at-risk public and private buildings from flood for mitigation/retrofit.	No	Ongoing	MSD LOJIC Jeffersontown	Goal 2 Goal 3	Normal Operating Budget, Grants	L	M	M	There is an ongoing study in Northern Ditch is looking for flood mitigation projects to reduce structure flooding in that watershed. Also, ongoing flood buyouts are being conducted to purchase and demolish homes that repeatedly flood.
	2.28	Wastewater facility flood protection and customer backup prevention through Plumbing Modification and Rehabilitation Programs: Increased occurrences of extreme storms put strain on the existing collection system due to higher volume of rainfall occurring during short periods of time. These storms can increase the risk of backups in basements of customers. Secure additional resources for the sewer rehabilitation program and the Plumbing Management Program (PMP) to allow for a proactive response to this risk. The PMP mitigates backups through plumbing improvements including the installation of backflow preventers, sump pump disconnections, and lateral service line renewal. The sewer rehabilitation program mitigates the stress of intense storms, improves system resilience by extending the life of existing infrastructure, reduces backups into homes and wastewater overflows to waterways, and protects residents from sewer collapse and pump station emergencies.	No	1-3 Years	MSD	Goal 1 Goal 2 Goal 3 Goal 6	Grants	M	H	H	The plumbing modification program has been discontinued, however over 17,000 properties participated in this program previously.
Natural Resource Protection	2.8	Establish and coordinate tree programs and partnerships to increase tree canopy, parkway areas: Continue program with Metro Parks to expand the tree canopy in the metropolitan area. Metro Parks will continue over the next five years to replace trees along parkways and in landscaped park areas as needed to retain tree canopy cover in the metropolitan area. MSD will contribute 1,000 trees per year.	No	Ongoing	Metro Parks MSD Metro Community Forestry	Goal 2 Goal 4	Normal Operating Budget	L	H	H	Through the MSD Urban Reforestation Program, MSD funds at least 1,000 trees each year. In 2025, 1088 tree were planted through this program. Metro also continues to plant new trees and replace trees within the right of way and in public spaces.

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Natural Resource Protection	FMP10	Stormwater Credit Program: Promote existing MSD program that provides stormwater bill reduction for non-residential properties that infiltrate stormwater and investigate how the program could be expanded to create incentives for homeowners to install rain gardens or other green infrastructure	No	FY25	MSD EMA	Goal 4	Normal Operating Budget	M	M	M	Project is on hold at this time.
Emergency Services	2.6	Review and update flood related emergency preparedness and response plans: Continue to review and update plans including evacuation of at risk populations to include seniors and disabled.	No	Ongoing	Metro EMA MSD	Goal 1 Goal 5 Goal 8	Normal Operating Budget	L	H	H	Catastrophic Urban Flood Plan was finalized in June 2025.
	2.14	Increase the use of information technology: Continue to explore new technologies to replace aging infrastructure. Research and secure improvements related to level sensors on streams, flood prone areas and viaducts to provide flood information. 25. Continue to explore new technologies to ensure systems are secure from cybersecurity attacks.	Yes	Ongoing	MSD	Goal 6 Goal 7	Grants	M	H	H	Safety improvements are underway for several of the Long Term Monitoring Sites for streams to improve accessibility and equipment is replaced as needed.
	2.15	Increase notification capabilities: Incorporate best-practice information technology related to flooding and dams/levee failures.	No	Ongoing	MSD Metro EMA	Goal 1 Goal 6 Goal 7	Normal Operating Budget, Grants	M	H	H	MSD continually upgrades the SCADA system, sensors, and capabilities.
	2.25	Construct additional rain gages and stream gages: Construct additional gages on ungaged streams to be used for flood forecast and warning. Construct additional flow/level sensor throughout the CSSA.	No	1-3 Years	MSD	Goal 1 Goal 2 Goal 3 Goal 6	Grants	M	H	H	MSD maintains existings gauges and added cameras in the combined sewer system to monitor selected CSO locations.
	2.26	Development of real-time flood mapping application, predictive flood modeling, flood alert and notification system, and flood safety barricade infrastructure to improve flood safety.	Yes	1-5 Years	MSD	Goal 1 Goal 2 Goal 3 Goal 6	Normal Operating Budget, Grants	H	H	H	MSD is exploring RTC for flood basins.
	3.7	Initiate 24-hour high hazard dam monitoring and warning system for those in inundation areas: Moving forward with design and construction of level sensors/monitoring equipment on High Hazard dams maintained by MSD.	No	Ongoing	MSD	Goal 1 Goal 2 Goal 3 Goal 5	Others	H	H	H	Level sensors have been added to MSD operated dams and were commissioned in 2025.
	3.8	Catastrophic Flood/Levee Failure Planning Study Support FEMA evacuation consultant in the development of a concept of operations plan (Phase II). Once this plan has been reviewed and approved the actual evacuation plan will be developed. Funded through grants and Silver Jackets.	No	Ongoing	MSD	Goal 1 Goal 2 Goal 3 Goal 5	Grants, Others	H	H	H	Catastrophic Urban Flood Plan was finalized in June 2025.
	3.13	Reduce Whipps Mill flooding potential: Place flood level sensors and remote monitoring equipment on the high hazard dam located at Whipps Mill.	No	1-3 Years	MSD						Level sensors have been added to Whipps Mill Basin.

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Emergency Services	3.14	Roberson Run Flood Monitoring In an effort to reduce risks associated with flooding, flood level sensors and remote monitoring equipment will be placed on the high hazard dam located at Roberson Run.	No	1-2 Years	MSD	Goal 3	Normal Operating Budget	H	H	H	Level sensors have been added to Roberson Run Basin.
	2.7	Repair and replace flood pump stations as required: Continue to rehab, replace and update flood pump stations as needed. Inventory and verify emergency generators and backup. Apply for grants where needed.	Yes	Ongoing	MSD	Goal 1 Goal 3 Goal 6	Normal Operating Budget, Grants, Others		H	H	Paddy's Run Flood Pump Station is currently under construction to improve resiliency and increase capacity of the pump station.
Structural Projects	2.13	Continue drainage improvement projects: Conduct new studies on subbasin basis to determine future drainage improvement projects based on the newly developed risk-based prioritization tool. Construct drainage improvement projects, such as increasing culvert capacity, widening channels, and increasing flood storage.	Yes	Ongoing	MSD	Goal 3	Grants	M	H	H	MSD is currently working with a consultant to determine potential regional solutions to reduce flooding in the Northern Ditch watershed near the confluence with Southern Ditch.
	2.20	Paddy's Run Flood Pumping Station Project: The Paddy's Run Flood Pumping Station will be replaced with a new facility to increase the pumping capacity of this location. Built in 1953, it is beyond its useful life and in need of full replacement to prevent catastrophic risks to disadvantaged communities within the inundation area.	Yes	3-5 Years	MSD	Goal 1 Goal 3 Goal 8	Normal Operating Budget	H	H	H	Paddy's Run Flood Pump Station is currently under construction to improve resiliency and increase capacity of the pump station.
	2.21	River Road Reconstruction Project: This project will elevate River Road above the 10 year floodplain to increase access to properties along River Road during smaller, more frequent floods.	Yes	1-3 Years	MSD	Goal 3 Goal 8	Normal Operating Budget	H	H	H	Preliminary construction has started for this project.
	2.22	Western Flood Pump Station Project: The Western Flood Pump Station project proposes to increase capacity of the pump station and increase the volume of the surge basin to reduce roadway and structure flooding in this area.	Yes	1-3 Years	MSD	Goal 3	Normal Operating Budget	H	H	H	MSD is working on receiving grant funds to conduct the design and physical model of the pump station upgrades.
	2.27	Increase Flood Risk Mitigation for Wastewater Facilities: Treatment facilities within the flood plain are at risk of failing during flood events, resulting in discharge of untreated wastewater. Sanitary sewer overflows are possible when flood water infiltrates pump stations and manholes during flood events. Assets at risk of flooding may require relocation, upgrades, and or/ protections to improve resiliency during flood events, especially as frequency of extreme storms increases with climate change.	No	1-3 Years	MSD	Goal 1 Goal 2 Goal 3 Goal 6	Grants	M	H	H	MSD's five Water Quality Treatment Centers are located outside of mapped floodplains. New flood pump stations in the floodplain are constructed to be dry floodproofed and/or elevated. Manholes within the floodplain or along streams are required to be watertight. Existing assets are upgraded as needed and as funding becomes available.

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Structural Projects	2.29	Maintain backup power generators and the connections at applicable facilities: Continue to implement measures for preventing sanitary sewer overflows during storm events or other power outages. Increased frequency and intensity of storm events presents additional risk to maintaining power at wastewater facilities.	No	1-3 Years	MSD	Goal 1 Goal 2 Goal 3 Goal 6	Grants	L	H	H	Submitted information to the state for an analysis of critical infrastructure needs for backup power generators.
	3.5	Continue Metro Parks remedial work on agency operated dams: Continue remedial work as needed based on inspections	No	Ongoing	Metro Parks	Goal 3	Normal Operating Budget	L	M	H	The parks department has retained a geotechnical engineering firm to consult on the condition and maintenance of all of our dams. We have been working hand in hand with them to meet all state requirements. This work is in progress and ongoing.
	3.9	Monitor and comment on state dam construction and inspection criteria. Continue to review proposed high hazard dams and follow MSD Design Manual.	Yes	Ongoing	MSD Metro Parks	Goal 5	Normal Operating Budget	L	M	L	MSD reviews any new high hazard dams per the MSD Design Manual and refers projects to DOW for state required permitting.
	3.11	Develop EOPs for Class C Dams Continue with existing strategy to include: 1) Develop EOPs for dams without plans; 2) Update existing EOPs, and 3) add NWS notification for alerts via weather radios. EOPs have been completed for all Class C dams. Remaining items are on hold.	No	Ongoing	MSD Metro Parks KDOW	Goal 5	Normal Operating Budget	L	M	M	EOPs were last updated in 2023 for MSD owned dams.
Public Information	2.5	Place flood elevation markers, other signage and safety measures along floodprone roads and parking areas: 1. Continue program to focus on roads that are frequently overtopped to demonstrate to drivers/pedestrians how deep the water can be. 2. Complete an inventory of current sign locations, develop a strategy for posting warning signs and post as funding allows. 3. Install level sensors, automated gate-arm barricades, flashing lights, and other public notifications at selected areas throughout the city. 4. Incorporate flood notification information into emergency response route changes.	No	Ongoing	MSD Metro Public Works Metro Parks	Goal 1 Goal 5	Normal Operating Budget	L M	M	M	Explored opportunities for level sensors and barricades at viaducts. Temporary barricades are installed as needed.
	2.9	Continue public outreach regarding basement flooding: 1. Continue to send annual letters to everyone in floodplain and repetitive loss properties. 2. Educate the public on keeping critical items out of basements computers, books, important files etc.	No	Ongoing	MSD Media	Goal 4 Goal 5	Normal Operating Budget	L	H	H	Annual letters are sent to property owners in the floodplain and repetitive loss properties that include information about basement flooding. Information is also included on MSD's website.
	2.10	Continue Public Outreach related to NFIP and Plumbing Modification Programs: Continue to deliver annual letters to everyone in floodplain and repetitive loss properties discussing the merits of both programs.	No	Ongoing	MSD	Goal 4 Goal 5	Normal Operating Budget	L	H	H	Annual letters are sent to property owners in the floodplain and repetitive loss properties that include information about the NFIP. The Plumbing Modification Program has been discontinued.

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Public Information	2.11	Increase Coordination of Flood Warning using NWS Chat Rooms: NWS Chat Rooms are set up to coordinate with staff in an official capacity. Several chat rooms exist, and NWS can set up additional ones if needed. Chat Rooms already include USGS, Corp, media, & EMS and can be made available to other agencies.	No	Ongoing	NWS	Goal 4 Goal 5 Goal 6 Goal 7	Normal Operating Budget	L	H	H	NWS has a Slack-based chatroom for our partners called NWSChat 2.0 that has been used since 2023.
	2.17	Install a rain garden and creek access at the MSD Floyds Fork Water Quality Treatment Center: Follow concept design to include educational outreach signage.	No	1-3 Years	MSD	Goal 4 Goal 5	Normal Operating Budget	M	H	H	Wayfinding signage has been installed at the Floyds Fork Education Center. Other projects are on hold due to funding.
	2.24	Evaluate new platforms to better facilitate communications related to flooding concerns: National Weather Service personnel are currently assessing various notification platforms to increase capabilities to inform people of potential flooding events.	No	1-2 Years	NWS	Goal 1 Goal 5 Goal 7	Normal Operating Budget	L	H	H	NWS Platforms for communicating flood events include the NWPS website (https://water.noaa.gov/), which arrived in Spring 2024. It combines the features from the old AHPS website like river observations and forecast hydrographs with the new NWS Flood Inundation Mapping (FIM) and other National Water Model (NWM) features. In addition NWS Flood Inundation Mapping (FIM) - released for the Ohio Valley Oct 2024 - is also a new platform or flood communication tool that is being used to communicate flood impacts.
	3.6	Continue public awareness efforts: Installation of signage related to flood protection system history and assets to indicate allowed/prohibited activities on the levee system is complete.	No	Ongoing	MSD	Goal 5 Goal 7	Normal Operating Budget	L	M	M	MSD installs and maintains signs located at key locations describing prohibited activities on the levee systems. USACE installed a historical sign related to the levee in Butchertown in 2024.
	3.12	Post Signs/Landmark on dams with classification type (A, B, or C): Procure and place signage on nonprivately owned dams to assist the public in identifying dam types.	No	Ongoing	MSD Metro Parks KDOW	Goal 5	Normal Operating Budget	L	M	M	Project is on hold
	FMP1	Turn Around, Don't Drown Education: Provide more education about turn around, don't drown and emergency planning	No	Ongoing	MSD	Goal 1	Normal Operating Budget	L	M	H	Turn Around, Don't Drown messaging is included in the annual floodplain letter and is included in social media messaging and on MSD's website.
	FMP2	Emergency Notification Methods: Promote the use of available emergency notification methods	No	Ongoing	MSD EMA	Goal 1	Normal Operating Budget	L	M	M	Emergency notification messaging is included in the annual floodplain letter and is included in social media messaging and on MSD's website.
	FMP3	CRS and Flood Insurance Education: Increase outreach for flood insurance and CRS knowledge	No	Ongoing	MSD EMA	Goal 2	Normal Operating Budget	L	M	M	CRS and flood insurance messaging is included in the annual floodplain letter, as well as in social media messaging and on MSD's website. MSD also hosts at least two flood insurance presentations each year for realtor, insurance agents, and mortgage lenders.

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Public Information	FMP5	Expand audience of flood messaging: Expand audience of flood messaging by sharing outreach materials with partners	No	Ongoing	MSD EMA	Goal 1 Goal 2 Goal 3	Normal Operating Budget	L	M	M	The Louisville Free Public Library includes flood information, such as copies of the flood maps and Flood Insurance Studies.
	FMP6	Watershed and Ohio River Education : Work with Metro TV or similar outlets to present education information on exploring watersheds and the Ohio River	No	FY25	MSD EMA	Goal 3 Goal 4	Normal Operating Budget	M	M	L	New informaiton regarding watersheds was added to the MSD website in FY25.
	FMP7	Flood Protection System Education : Expand outreach education to include flood pump station and the flood protection infrastructure required to keep the city safe	No	FY25	MSD EMA	Goal 3	Normal Operating Budget	M	M	L	Flood protection system education is shared via social media and on MSD's website.
	FMP8	Green Infrastructure Education : Promote the use of green infrastructure through social media, workshops, etc.	No	Ongoing	MSD EMA	Goal 4	Normal Operating Budget	M	M	M	MSD's social media messages in 2025 included plant a rain garden, encourage native plantings, and don't mow stream buffers. MSD also provided information about green infrastructure at events, such as the Louisville MSD WQU Webinar and MSD Field Day. MSD has installed rain garden signage at Karen Lynch Park.
	FMP9	Riparian Zone Education : Promote the retention of riparian buffer zones and improvement of existing buffer zones	No	Ongoing	MSD EMA	Goal 4	Normal Operating Budget	M	M	M	Information about stream buffers is included on MSD's website.