

CRS Activity 510

Annual Progress Report on Implementation of Credited Plan

Hazard Mitigation Plan

Name of Community: *City of Ann Arbor*

Date this Annual Progress Report was prepared (not the date of adoption of the credited Plan): January 10, 2025

Name of Plan: *2022 City of Ann Arbor Hazard Mitigation Plan*

Date of Adoption of Plan: *November 10, 2022*

5 Year CRS Expiration Date: *November 10, 2027*

1. How can a copy of the credited Plan be obtained: <https://www.a2gov.org/departments/fire/emergency-management/Pages/Hazard-Mitigation-Plan-.aspx>
2. Describe how this annual progress report (not the credited Plan) was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

This report was provided as an informational item to the Ann Arbor City Council on February 3, 2025. City Council agenda items are released to the media. The report was also made available to the public by the City Council Informational Item, and it was posted to the city website at

<https://www.a2gov.org/departments/fire/emergency-management/Pages/Hazard-Mitigation-Plan-.aspx>

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:

See the attached Hazard Mitigation Bi-Annual Steering Committee Meeting Minutes from May 23, 2024 and October 23, 2024.

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

The implementation is not behind schedule. See the attached Hazard Mitigation Bi-Annual Steering Committee Meeting Minutes from May 23, 2024 and October 23, 2024.

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

See the "New Actions" section at the end of the Hazard Mitigation Bi-Annual Steering Committee Meeting Minutes from May 23, 2024 and October 23, 2024.



Hazard Mitigation Bi-Annual Steering Committee Meeting

May 23, 2024

AGENDA

Attendees: Jerry Hancock, Hank Kelley (absent), Mike Kennedy (absent), Jennifer Lawson (absent), Molly Maciejewski, Paul Matthews (absent), Sue McCormick (absent), Sydney Parmenter, Missy Stults (absent)

1. Welcome
2. 2024 Mitigation Strategy Project Updates (reference page 2)
3. Additional Mitigation Strategy Updates
4. Jerry Hancock Retirement

Next Meeting: Wednesday, October 23, 2024, 3 – 4 PM via Microsoft Teams



Hazard Mitigation Bi-Annual Steering Committee Meeting

May 23, 2024

MINUTES

TOTAL NUMBER OF ACTIONS	IN PROGRESS	COMPLETE
34	14	0

1. Action 17 – Vulnerable Populations – EM, OSI, Housing Commission

- Community Asset Mapping:
 - May 2023: Study and pilot development are underway with OSI and EM in collaboration with the reDirect fellowship program. Three reDirect Fellows will be working with the city over the summer.
 - October 2023: Nourishing Neighborhood network pilot program launched on September 26, 2023. An initial neighborhood-wide meeting was held on October 8th, 2023, and approximately 80 people attended. Will be working with the neighborhood champions to identify the next steps.
- Bryant Community Center Resilience Hub went live and an unveiling/block party event is scheduled for June 9
- OSI and the Housing Commission applied for a \$2.5 million community center grant in September to improve resilience, sustainability, and accessibility at city facilities, including housing commission sites.
- Avalon Housing launched an emergency preparedness engagement subgroup, which EM/OSI is a member of.
- EM/OSI are developing an emergency preparedness/emergency kit distribution plan with Ann Arbor Public Schools. We have a scheduled event with Washtenaw County Community College on November 6th.

2. Action 14 – Hazard Response Training Events – EM

- Lessons learned events:
 - May 2023: Hosted Oakland County Emergency Management to share lessons learned from Oxford High School Shooting on April 11
 - October 2023: Hosted Midland County Emergency Management to share lessons learned from 2020 Midland Dam Failures on September 18
 - April 2024: Hosted Michigan State University Emergency Management to share lessons learned from the February 13, 2023, incident.
- 2023 Exercises:
 - Annual Dam Seminar/Exercise on October 4
 - Election Day Emergency Exercise is scheduled for December 5



Hazard Mitigation Bi-Annual Steering Committee Meeting

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- 2024 Exercises:
 - Haz Mat Team Functional Exercise @ Election Center February 21
 - Joint Information Center Tabletop Exercise April 18
 - Election Day Emergency Exercise August 28
 - Annual FERC Dam Tabletop Exercise October 9
- 2025 Exercises:
 - EM in partnership with Ann Arbor Public Schools applied for full-scale exercise support through the FEMA National Exercise Program (NEP) – We should hear back by July as to whether we’ve been selected.
 - EM applied for the FEMA FY25 Planning for Dam Emergencies Collaborative Technical Assistance Program (CTAP) – pending response from FEMA

3. Action 11 – Dam Safety Program EAP Exercises – EM and WTP

Description Summary: Enhance EAP exercises and close the gaps identified in the after-action reports.

- Annual FERC Dam Drill was hosted on October 4, 2023
- EM completed a Dam Notification Drill on November 9, 2023
- Planning meetings to review after-action items and develop the October exercise are scheduled with EM, WTP, and Stantec.
- Stantec has updated the EAPs for Argo and Geddes and are under review by EM and the WTP.
- EM and Stantec are meeting monthly to develop the FY24 FERC Dam Tabletop Exercise scheduled for October 9 – This exercise will include the City of Ypsilanti
- EM applied for the FEMA FY25 Planning for Dam Emergencies Collaborative Technical Assistance Program (CTAP) – pending response from FEMA

4. Action 8 – EOP and COOP Update - EM

- May 2023: EM has convened a planning team inclusive of city and county representatives to develop a debris management plan, which will serve as an annex in the City’s EOP.
- October 2023: Public Works has received a proposal from Tetra Tech to develop a Disaster Debris Management Plan
- February 2024: EM, City Works, and AAPD developed an Election specific EOP for the February 27 Presidential Primary. This will be a living document that is being updated for the November election.
- March 2024: Public Works, EM, and Tetra Tech hosted a Disaster Debris Management Kickoff Meeting



Hazard Mitigation Bi-Annual Steering Committee Meeting

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- April 2024: Tetra Tech was onsite completed department specific interviews to collect information for the Disaster Debris Management Plan
- May 2024: OSI and EM are developing a warming/cooling center and resilience hub activation procedure that will serve as an annex in the EOP.

5. Action 23 – COVID Response Debrief – EM

- Turnover in staff internal to the city and with partnering agencies (i.e., the University of Michigan and County Health Department) has created challenges.

6. Action 9 – Create Community Resilience Networks – EM and OSI

- Community Resilience Network:
 - May 2023: OSI submitted a grant proposal to develop a regional resilience network through the EPA's Environmental Justice Government-to-Government (EJG2G) program.
 - October 2023:
 - OSI and EM hosted a Community Resilience Network meeting on July 27, 2023, with local community-based organizations and municipal partners that provide resilience-based services to the City of Ann Arbor and Washtenaw County
 - The City's EJG2G grant proposal has been selected. OSI and EM are working through completing the next steps.

7. Action 1 – Comprehensive Stormwater Plan – Systems Planning

- The budget for this project has been approved and Systems Planning is working on hiring a contractor through the RFP process.
- October 2023: RFP is drafted and should be posted by the end of the month.
- May 2024: A consultant is now under contract for the Comprehensive Stormwater Plan effort, and a project kickoff meeting is being scheduled.

8. Action 33 – Acquire at Risk Properties – Systems Planning

- May 2023: Systems Planning has submitted a HMGP grant application through FEMA (administered by MSP-EM) to acquire and demolish two properties located at 124 Felch St. and 112 Depot St.
- Unofficial word came from MSP-EM yesterday (10/13/23) that this grant will be approved, but they asked for updates on three documents.



Hazard Mitigation Bi-Annual Steering Committee Meeting

May 23, 2024

MINUTES

- May 2024: City council has approved a HMGP grant to purchase and demolish 112 E. Depot St. and 124 Felch St. We have received appraisals for the two properties that are being reviewed by the MSP-EM. Sale of the properties is voluntary and will depend on the owners accepting the offers, which will be based on the appraisals.

9. Action 29 – Floodplain Studies – Systems Planning

- May 2023: Systems Planning is hiring a contractor to re-map the Allen Creek area due to changes made with the Allen Creek Railroad Berm Opening Project.
- OHM Advisors are under contract to re-map the entire Allen Creek floodplain. The project has kicked off. The consultant is currently preparing the revised floodplain model. The LOMR application is expected to be submitted to FEMA in spring 2024.
- May 2024: The LOMR application to re-map the entire Allen Creek floodplain has submitted to FEMA's reviewing consultant in April. We are awaiting their first review.

10. Action 3 – Swift Run Marsh Weir – Systems Planning

- This project is underway in collaboration with the Washtenaw County Water Resources Commission
- As part of this project, Engineering will be updating infrastructure (Storm, sanitary, water, and roads). This is currently in the RFP phase.

11. Action 16 – Expand Green Space and Green Infrastructure – Systems Planning

- A staff meeting has been scheduled to evaluate the city's Green Streets Policy for possible revisions to increase opportunities for green infrastructure on public street projects.
- A revised Green Streets Policy, retitled "Public Streets Stormwater Guidelines", will be before the Environmental Commission for second reading tonight (5/23/24). They are being asked to support a resolution to take the revised policy to City Council for approval. The revisions line up with how staff implements this policy and potentially would expand opportunities associated with utility projects that disturb significant portions (at least half width) of the subsoil/full road base.

12. Action 27 – Energy Assurance Strategy – EM and OSI

- EM and OSI submitted an NOI for the FY23 BRIC grant program to install a microgrid at Fire Station 3 and Vets Park. MSP-EMHSD has invited us to complete a grant application in FEMA GO, which is due for initial review on December 10.



Hazard Mitigation Bi-Annual Steering Committee Meeting

May 23, 2024

MINUTES

- EM and OSI submitted the grant application on February 16, 2024 – Pending FEMA response.

13. Action 30 – Hardening Measures for City-Owned Buildings

- May 2024: EM and City Clerk's Office requested a CISA Security Assessment of the Election Center and the Clerk's Office at City Hall – CISA was on-site May 10 – pending report.
- FERC Cybersecurity Audit on Dams June 2024

14. Action 13 – Dam Evacuation Maps, Shelter Plan, and Strategic Exercise Plan – Emergency Management and Water Treatment Plant

- May 2024: EM is working with IT GIS to update our dam evacuation map and preparedness guide that will be delivered to addresses within the inundation zone; an interactive web-based map will be available on our website.
- A 5-year strategic exercise plan was developed by EM and WTP following the functional exercise in 2022.

2024 Actions:

15. Action 15 – Post-Disaster Planning – Emergency Management, Systems Planning

Summary: Develop a Disaster Recovery Plan that addresses post-disaster redevelopment and mitigation policies

16. Action 34 – Funding for 2027 HMP Update – Emergency Management

Summary: Secure funding for the 2027 Hazard Mitigation Plan Update – historically relied on FEMA Hazard Mitigation Grants which impacted timeline. City funded the 2022 update.

17. Action 6 – Flood Disclosure for Rentals – Emergency Management, Systems Planning, Housing Inspection

Summary: Assess and document feasibility of flood disclosure and educational information as part of lease agreements for residential properties.

18. Action 24 – Funding for IT - IT

Summary: Identify additional funding sources and resources needed to maintain IT needs including security and infrastructure



Hazard Mitigation Bi-Annual Steering Committee Meeting

May 23, 2024

MINUTES

New Actions:

1. The Water Treatment Plant will be developing a Risk and Resilience Assessment – Cybersecurity in FY 2024
2. The City is updating the following plans:
 - a. Surface Water Protection Plan (SWIPP) Completed in 2023 and Wellhead Protection Plan (WHPP)
 - i. Putting together a non-point source pollution video for upstream communities - Complete
 - b. Spill Prevention, Control, and Countermeasure Plan (SPCC) - Completed
 - c. Pollution Incident Prevention Plan (PIPP) – Completed
3. Heat Mitigation:
 - a. Public Works is conducting an update to the Urban Forest Management Plan - in draft.
 - b. EM, OSI, and Parks are developing a cool pavement pilot program.
4. Allen Creek Berm Project – public engagement <https://planetdetroit.org/2023/10/ann-arbor-builds-climate-resilience-with-long-term-funding-and-planning-2/>



Hazard Mitigation Bi-Annual Steering Committee Meeting

October 23, 2024

AGENDA

1. Welcome
2. 2024 Mitigation Strategy Project Updates (reference page 2)
3. Additional Mitigation Strategy Updates



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2024

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1. Action 17 – Vulnerable Populations – EM, OSI, Housing Commission

- Community Asset Mapping:
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- Avalon Housing launched an emergency preparedness engagement subgroup, which EM/OSI is a member of.
- EM/OSI are developing an emergency preparedness/emergency kit distribution plan with Ann Arbor Public Schools. We have a scheduled event with Washtenaw County Community College on November 6th.

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Mitigation Strategy Project Updates

October 23, 2024

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- 2025 Exercises:
 - EM in partnership with Ann Arbor Public Schools applied for full-scale exercise support through the FEMA National Exercise Program (NEP) – We should hear back by July as to whether we’ve been selected.
 - October 2024: We were selected, full scale exercise will be hosted on June 24 and June 25, 2025
 - EM applied for the FEMA FY25 Planning for Dam Emergencies Collaborative Technical Assistance Program (CTAP) – pending response from FEMA
 - October 2024: We were selected, scoping call will be scheduled in November of 2024

3. Action 11 – Dam Safety Program EAP Exercises – EM and WTP

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- April 2024: Tetra Tech was onsite completed department specific interviews to collect information for the Disaster Debris Management Plan
- May 2024: OSI and EM are developing a warming/cooling center and resilience hub activation procedure that will serve as an annex in the EOP.
- October 2024: Partnering with City Clerk and AAPD to update the City Elections EOP for the 2024 Presidential Election
- October 2024: Partnering with Public Services, City Communications, and AAPD to develop a City of Ann Arbor Snow Emergency Operations Plan

5. Action 23 – COVID Response Debrief – EM

- Turnover in staff internal to the city and with partnering agencies (i.e., the University of Michigan and County Health Department) has created challenges.

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- The budget for this project has been approved and Systems Planning is working on hiring a contractor through the RFP process.
- October 2023: RFP is drafted and should be posted by the end of the month.



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2024

- May 2024: A consultant is now under contract for the Comprehensive Stormwater Plan effort, and a project kickoff meeting is being scheduled.
- August 19 – project kick off meeting held, anticipating developing 11 technical memos throughout the planning process and developing a Stormwater Advisory Group (SWAG) to help steer the project.
- October 16 – 2nd meeting. Refining what partners and agencies should serve on the SWAG and discussing how and when to engage the community.

8. Action 33 – Acquire at Risk Properties – Systems Planning

- May 2023: Systems Planning has submitted a HMGP grant application through FEMA (administered by MSP-EM) to acquire and demolish two properties located at 124 Felch St. and 112 Depot St.
- Unofficial word came from MSP-EM yesterday (10/13/23) that this grant will be approved, but they asked for updates on three documents.
- May 2024: City council has approved a HMGP grant to purchase and demolish 112 E. Summit St. and 124 Felch St. We have received appraisals for the two properties that are being reviewed by the MSP-EM. Sale of the properties is voluntary and will depend on the owners accepting the offers, which will be based on the appraisals.
- April – July 2024: Received purchase authorization letters from MSP-EM for both properties.
- Sept 9, 2024: Purchase offers extended to both property owners, 112 E. Summit St in process. Awaiting final decision from 124 Felch St. Anticipate purchase by end of the year.

9. Action 29 – Floodplain Studies – Systems Planning

- May 2023: Systems Planning is hiring a contractor to re-map the Allen Creek area due to changes made with the Allen Creek Railroad Berm Opening Project.
- OHM Advisors are under contract to re-map the entire Allen Creek floodplain. The project has kicked off. The consultant is currently preparing the revised floodplain model. The LOMR application is expected to be submitted to FEMA in spring 2024.
- May 2024: The LOMR application to re-map the entire Allen Creek floodplain has submitted to FEMA's reviewing consultant in April. We are awaiting their first review.
- June 25, 2024: FEMA had extensive comments on submittal. OHM and the City worked to address the comments and provided a revised submittal in September 2024. Awaiting FEMA's response.



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2024

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- This project is underway in collaboration with the Washtenaw County Water Resources Commission.

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- A staff meeting has been scheduled to evaluate the city's Green Streets Policy for possible revisions to increase opportunities for green infrastructure on public street projects.
- A revised Green Streets Policy, retitled "Public Streets Stormwater Guidelines", will be before the Environmental Commission for second reading tonight (5/23/24). They are being asked to support a resolution to take the revised policy to City Council for approval. The revisions line up with how staff implements this policy and potentially would expand opportunities associated with utility projects that disturb significant portions (at least half width) of the subsoil/full road base.
- As of July 1, the Green Streets Policy is now the Infiltration Standards. When street or utility projects that disturb significant portions (at least half width) of the subsoil/full road base are purposed green infrastructure or other methods for infiltrating stormwater must be considered.
- Projects being implemented with these standards include the State Street reconstruction project which included infiltration from the road surface for the 24-hr storm event using underground infiltration.
- City Projects are now infiltrating 56.1 million gallons of stormwater through the continued installation of green infrastructure on city capital projects.

12. Action 27 – Energy Assurance Strategy – EM and OSI

- EM and OSI submitted an NOI for the FY23 BRIC grant program to install a microgrid at Fire Station 3 and Vets Park. MSP-EMHSD has invited us to complete a grant application in FEMA GO, which is due for initial review on December 10.
- EM and OSI submitted the grant application on February 16, 2024 – the project was not selected.



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 - October 2024: Report complete
- FERC Cybersecurity Audit on Dams June 2024
- October 2024: EM and WTP met with CISA to schedule a SAFE Security Assessment

14. Action 13 – Dam Evacuation Maps, Shelter Plan, and Strategic Exercise Plan – Emergency Management and Water Treatment Plant

- May 2024: EM is working with IT GIS to update our dam evacuation map and preparedness guide that will be delivered to addresses within the inundation zone; an interactive web-based map will be available on our website.
- A 5-year strategic exercise plan was developed by EM and WTP following the functional exercise in 2022.
- October 2024: EM in partnership with IT GIS, City Communications, and WTP are updated the annual evacuation guide and map

2024 Actions:

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Summary: Develop a Disaster Recovery Plan that addresses post-disaster redevelopment and mitigation policies

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