



Hazard Mitigation Bi-Annual Steering Committee Meeting

October 23, 2025

MINUTES

Attendees: Mike Kennedy, Michaelyn Rogers, Melissa Menerey, Bryce Frolich, Josh Baron, Mike Lemieux, Katie Dillon, Paul Matthews, Jen Lawson, Beth Yaroach, Hank Kelley, Missy Stults, Skye Stewart.

1. Welcome/Introductions
2. Mitigation Action Item Updates
3. Comments/Questions



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

TOTAL NUMBER OF ACTIONS	IN PROGRESS	COMPLETE
34	22	1

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.
 - OSI is exploring creation of a neighborhood block party kit with supportive funding to help more neighborhoods meet and increase social cohesion
- Bryant Community Center Resilience Hub went live and an unveiling/block party event was held for June 9. Geothermal is completely being installed as of May 2025.
- 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. This was not approved.
- Avalon Housing launched an emergency preparedness engagement subgroup, which EM/OSI is a member of.
 - Has disabled since staff lead has left the organization.
- 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, 2024
- June and September 2025: The Sesame Solar Unit was delivered in June 2025. OSI introduced the unit to the community at the 2025 A²ZERO Green Fair. The Sesame will be stationed at community-centered locations for quarterly residencies, providing engagement opportunities and supporting partners such as our Resilience Hubs.
- June 2025: Peace Neighborhood Center and Green Baxter Court Community Center received grants from OSI in 2025 to support their Resilience Hub initiatives. Peace Neighborhood Center was awarded \$250,000 for deep efficiency and electrification improvements, which will enable them to reinvest the savings into service programming and prepare for the adoption of renewable energy and storage solutions. Green Baxter Court Community Center



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

received \$180,000 for solar energy and storage adoption, which will help ensure that their services remain operational even during disruptions.

- Community Action Network

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
- 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.
 - October 2024: We were selected, full scale exercise will be hosted on June 24 and June 25, 2025
 - May 2025: FEMA NEP was unable to provide the level of support necessary. City and AAPS are leading planning efforts with key community partners. The full scale exercise will be conducted on June 24. An EOC tabletop exercise will be hosted on August 19.
 - 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



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

- May 2025: The FEMA Dam CTAP has been cancelled due to federal government review of FEMA
 - City will be conducting an annual FERC drill this fall
- April 2025: Hosted the Washtenaw County Medical Examiner who led a presentation on their role in a mass casualty incident
- June 2025: EM in partnership with Ann Arbor Public Schools hosted a full-scale active assailant exercise at Pioneer High School. Over 250 people participated across 6 different locations to test the coordinated response to a mass casualty incident.
- August 2025: EM in partnership with Ann Arbor Public Schools hosted a joint-EOC activation tabletop exercise based on the June full-scale. Leadership met to discuss how the EOC would operate to support the community during a mass casualty event.
- September 2025: Hosted a tabletop exercise to test snow emergency street parking ban ordinance.
- Annual Dam Training & Exercise scheduled for October 28, 2025.
- Disaster Debris Management Tabletop scheduled with Public Works staff on November 18, 2025.
- AAPD Continuity of Operations Plan tabletop exercise schedule for 12/11/25.

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)
 - May 2025: The FEMA Dam CTAP has been cancelled due to federal government review of FEMA
- October 2024: Annual FERC Dam Tabletop Exercise was hosted on October 16, 2024



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

- May 2025: EM and Stantec are meeting monthly to develop FY25 FERC Dam Exercise for this fall.
- October 2025: Annual exercise and training scheduled for October 28, 2025.

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
- 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
- April 2025: City Clerk's Office and EM were awarded a national Clearinghouse Award in the category of Contingency Planning: Exemplary Contingency Planning and Emergency Response Efforts.
- May 2025: EM has developed a strategy for updating the full EOP with the goal of having it complete by end of 2026.
- October 2025: EM attended the State's Damage Assessment Training and Tabletop Exercise.

5. Action 23 – COVID Response Debrief – EM - **Closed**

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



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

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.
- April 2025 another network meeting was held
- October 2025, funding was terminated for this award but the City is continuing to collaborate on forming this network with an upcoming meeting taking place on October 17

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.
- 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.
- January 29 & April 2 SWAG meetings held focusing on visioning, terminology, brainstorming long range goals. The SWAG is comprised of regional climatologists, scientists, community commission members, and local interest groups all with an interest and vision to guide how Ann Arbor manages stormwater for the next 50 years.



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

- SWAG meetings were held on June 11, August 13, and October 8. These focused on vision statements, Technical Memo (TM) 2 Policy Evaluation, TM 3 Water Quality, TM 4 Stormwater Drainage, and TM 7 Watershed Management.
- Stormwater Focus Groups are scheduled with Neighborhood Associations (10/30/25), Large Land Users (11/5/25), and Business/ Commercial / Development Community (11/18/25).

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.
- City purchased the property at 112 E. Summit St December 11, 2024. The owners of 124 Felch decided to not move forward with the sale of the property.
- Demo is planned for summer 2025.
- October 2025- Demolition was delayed and is now scheduled to begin late October 2025.

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.



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

- 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.
- The city continues to work with city consultants and FEMA to incorporate the technical data for the map revision.
- October 2025 – In mid-July the City and its consultant submitted additional technical data to FEMA and its consultant for additional review. Typical FEMA review time is 90-days, and a response is expected soon.

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

- This project is underway in collaboration with the Washtenaw County Water Resources Commission.
- City and County are awaiting the final report that will include recommendations for modification and or retrofit to existing Swift Run Marsh to provide additional regional stormwater storage.
- Report is in final stages and is expected by the end of calendar year 2025.
- October 2025: project is unlikely to move forward, but hoping to pivot to something else.

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.
- 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.



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

- 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.
- Projects completed or under construction in FY 2025 include:
 - UT-ST-24-03 - Ann (First to Fifth) Stormwater Infiltration (AC)
 - Annual Street Tree Planting (~ 500K annually)
 - UT-ST-14-24- Briarwood Mall Ponds - improving stormwater storage in Malletts Creekshed
 - UT-ST-20-05- Detention Basin Restoration/Reconstruction - addressing failed or nonperforming detention basins to create additional storage and detention of stormwater
 - UT-ST-22-01 Ellsworth Basin Retrofit - improving stormwater storage in Malletts Creekshed
 - UT-ST-24-08 Newport Creek – Design for New Stormwater Storage - Confluence of the East and West branches

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.
- OSI continues installing solar, storage, and geothermal at multiple city sites. Updates available at: <https://analytics.a2gov.org/superset/dashboard/osi-performance-metrics/?standalone=2>

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.
 - October 2024: Report complete
- FERC Cybersecurity Audit on Dams June 2024



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

- October 2024: EM and WTP met with CISA to schedule a SAFE Security Assessment - April 2025, completed SAFE 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
- March 2025: Dam Inundation Zone Map and Preparedness Guide sent to all addresses within the inundation zone. A survey for feedback regarding the guide was provided and will close on May 25.
- October 2025: Dam Inundation Zone Map will be reviewed and sent out again next spring.

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.

- May 2025: Washtenaw County has expressed interest in developing a joint County/City HMP. EM has been meeting with Washtenaw County Resilience Office to discuss funding, goals, capacity, and feasibility. We will be hosting a City and County HMP stakeholder meeting in July to discuss next steps.
- October 2025: City has decided to move forward without Washtenaw County partnership. Funding for HMP has been approved; will not attempt to get a federal grant due to uncertainty. RFP process will begin in 2026. New FEMA guidelines are being reviewed to determine what may be different than the current HMP.



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

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.

- October 2025 – As part of the flood information campaign kick-off started to work with OSI regarding providing information on the Resource Hub for Rental Property Owners and Renter Resources as a first step.

18. Action 24 – Funding for IT - IT

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

2025 Action Items:

19. Action 4 – Advance Floodplain Management Overlay Zoning District – Systems Planning, Engineering, Planning, Legal

Summary: Reduce risk through modifications to the Floodplain Management Overlay Zoning District

- Pushed to 2026 due to needing prerequisite items.

20. Action 7 – Substantial Damage Management Plan – Systems Planning, EM

Summary: Develop a substantial damage management plan per National Flood Insurance Program (NFIP) and Community Rating System (CRS) requirements. *Due to staffing constraints this Action was pushed until calendar year 2026.*

21. Action 10 – Cybersecurity Plan – IT, EM

Summary: Develop Cybersecurity Plan, including Continuity of Operations Plan as part of the EOP updates. Include cybersecurity in future emergency planning exercises.

- May 2025: EM and IT will develop as part of the 2026 City EOP update

22. Action 25 – Fire Station No. 4 – AAFD, EM



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

Summary: Complete design and construction for Fire Station No. 4 which is planned to be a net zero energy facility.

- May 2025: This project begins this month and is scheduled to be complete in the summer of 2026
- October 2025: foundation is complete. Substantial completion expected by August 2026.

23. Action 2 – Flood Information Campaign – Systems Planning, EM, CTN

Summary: Continue to develop and update, as needed, the robust flood public information campaign

- October 2025: EM and Systems Planning have begun meeting regularly to discuss public information and methods to disseminate to the community. In September 2025, staff debuted a floodplain physical model at Green Fair and will also run demonstrations during the Public Works and Solid Waste Open House at the end of October.

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.
 - c. City received a grant to work on a heat resilience strategy
 - d. City received funding to work on tree planting on private property which will help with stormwater, urban heat island, and much more
 - e. Public Works has received proposals for a comprehensive urban tree canopy assessment update. This assessment will catalog our current tree canopy coverage and identify areas for improvement. There were questions around federal funding. Legal has approved



Hazard Mitigation Bi-Annual Steering Committee Meeting

Mitigation Strategy Project Updates

October 23, 2025

MINUTES

moving forward with a PSA for this work. The most recent satellite imagery is not yet available.

4. Allen Creek Berm Project – public engagement <https://planetdetroit.org/2023/10/ann-arbor-builds-climate-resilience-with-long-term-funding-and-planning-2/>
5. City Events – Road Closures and Barricades
 - a. DDA purchased 15 new Meridian Portable Vehicle Barrier to mitigate vehicle attacks during city events.
 - b. EM, AAPD, IT are working on updates to Art Fair barricade plan which include sidewalk protection.
 - c. Deploy (2) misting stations at Art Fair
 - d. Convert fire hydrants into drinking fountains at city events
6. 721 N. Main Project
 - a. City owned, deed-restricted, empty parcel. What do we want to see as a city? A storm water management park that tells the city's story of floodplain management and hazard mitigation? Get the DDA involved?