

3.2 STATE MITIGATION ACTION PLAN

OVERVIEW

According to the planning requirements of DMA 2000, a SHMP will contain mitigation actions that are cost-effective, environmentally sound, and technologically feasible. Additionally, such actions are to be prioritized. The mitigation action plan below attempts to provide a concise table of the mitigation actions identified in the previous section, with an assigned priority. Additionally, a lead agency is identified for each action.

Borrowing a prioritization technique from the State of Kentucky, the mitigation actions have been prioritized in the following way:

Table 3.2.a

Priority	Description
A	Projects or activities that permanently eliminate damages or deaths and injuries across the state from any hazard
B	Projects or activities that reduce the probability of damages, deaths, and injuries across the state from any hazard
C	Projects or activities that educate the public on the subjects of hazard mitigation, hazard research, and disaster preparedness
D	Projects or activities that warn the public to approaching natural hazard threats

Action Number	Action	Goal / Objective Reference	Hazard	Lead Agency	Priority	Potential Funding Source	Status	% Complete
Goal 1, Objective 1								
1	Conduct HAZUS Level 2 flood analyses for all counties in the state using the best available data.	Goal 1, Obj 1	Multi	Ohio EMA Mitigation Branch	C	Silver Jackets Funding	Silver Jackets funding was used to complete HAZUS Level 2 analysis for Planning Region 2.	33%
2	Continue to update and improve the vulnerability analysis for state-owned buildings and critical facilities.	Goal 1, Obj 1	Multi	Ohio EMA Mitigation Branch	C	GRF	Work with DAS to enhance the building inventory and incorporate data from ongoing appraisal process.	Ongoing
3	Perform on site appraisals of all state buildings valued at \$500,000 or more.	Goal 1, Obj. 1	Multi-hazard	DAS - ORM	B	GRF	Contract has been awarded. System implementation is underway. Region 1 planning/kickoff will be occurring soon.	10%
4	Perform desktop valuations for all state buildings valued at less than \$500,000 to determine current replacement value.	Goal 1, Obj. 1	Multi-hazard	DAS - ORM	B	GRF	Contract has been awarded. System implementation is underway.	10%
5	Gather and incorporate structure specific risk data in the Risk Management Information System (RMIS).	Goal 1, Obj. 1	Multi-hazard	DAS - ORM	B	GRF	Contract has been awarded. System implementation is underway. Region 1 planning/kickoff will be occurring soon.	10%
Goal 1, Objective 2								
6	Install pre-planned detour signage for recurring closures	Goal 1, Obj 2	Flood	ODOT	D	ODOT	Ongoing	Ongoing

7	Install sensors in shoulders or video detection to monitor flooding	Goal 1, Obj 2	Flood	ODOT	D	ODOT	Ongoing	Ongoing
8	Ohio EMA will work with the National Weather Service and local emergency management agencies to review trigger points for flood warnings and adjust based on completed mitigation projects, changing flood levels and other factors.	Goal 1, Obj 2	Flood	Ohio EMA, NWS, Local EMA	D	GRF	New Action Item	0%
9	Work with USGS, NOAA, and other partners to promote flood warning systems and the importance of stream and rain gauges.	Goal 1, Obj 2	Flood	Ohio EMA Mitigation Branch	C	USGS, HMA	There may be an opportunity to utilize DR-4360 HMGP 5% funds to purchase stream gauge equipment.	Ongoing
Goal 1, Objective 3								
10	Ensure that grant application review tools and processes prioritize acquisition of repetitively flooded and highest risk properties.	Goal 1, Obj 3	Flood	Ohio EMA Mitigation Branch	A	HMA	New action item.	Ongoing
Goal 1, Objective 4								
11	Inspect all Class I-III dams once every 5 years.	Goal 1, Obj 4	Dam Failure	ODNR-DDS	B	Dam permit fees and GRF	The Dam Safety Program met this goal in the last 5-year planning period.	Ongoing

12	Take enforcement actions on violations of state dam/levee safety laws for severely deficient and/or structurally unsound high hazard dams.	Goal 1, Obj 4	Dam Failure	ODNR-DDS	B	Dam permit fees and GRF	Notices of Violation are issued for deficiencies identified during inspections. The Dam Safety Program provides technical assistance to remedy deficiencies.	Ongoing
13	Increase the number of Emergency Action Plans through compliance and education efforts.	Goal 1, Obj 4	Dam Failure	ODNR-DDS	B	Dam permit fees and GRF	DNR is working with Class I dam owners statewide to increase the numbers of approved EAP's.	Ongoing
Goal 1, Objective 5								
14	Continue to implement and improve the Ohio Safe Room Rebate Program.	Goal 1, Obj 5	Wind	Ohio EMA Mitigation Branch	B	HMA	Ohio EMA recently applied for a PDM grant to fund construction of 39 residential safe rooms.	Ongoing
Goal 2, Objective 1								
15	Support communities who choose to adopt standards beyond NFIP minimums for flood loss reduction.	Goal 2, Obj 1	Flood	ODNR-DOW, FPM	B	FEMA CAP Program and State GRF	The majority of these initiatives include flood plain regulation, map modification & higher standards workshops.	Ongoing
16	Review and consider the most recent version of the ICC Commercial Codes for incorporation into the Ohio Building Code.	Goal 2, Obj 1	Multi	DOC – Industrial Compliance	B	GRF	New action item.	Ongoing

17	Review and consider the most recent version of the ICC Residential Codes for incorporation into the Ohio Building Code.	Goal 2, Obj 1	Multi	DOC – Industrial Compliance	B	GRF	New action item.	Ongoing
Goal 2, Objective 2								
18	Continue to participate in the public/private partnership effort between Ohio EMA and the business community.	Goal 2, Obj 2	Multi	Ohio EMA Mitigation Branch	C	GRF	The Ohio Public Private Partnership has focused on response and recovery efforts to date. The Ohio EMA Mitigation Branch will continue to explore the possibility of OP3’s engagement in mitigation activities.	Ongoing
Goal 2, Objective 3								
19	Formalize a state level hazard mitigation grant program for Ohio communities.	Goal 2, Obj 3	Multi	Ohio EMA, DPS, and Governor’s Office	B	GRF	New action item.	0%
20	Work with Ohio EMA to document a process to be followed if CDBG-DR funds are ever available in the state.	Goal 2, Obj 3	Multi-hazard	DSA	C	CDBG-DR	New action item.	0%

21	Explore the possibility of using the Alternative Stormwater Infrastructure Loan Program to target properties purchased with HMA grants as future green infrastructure project sites.	Goal 2, Obj 3	Flood	DSA	B	Alternative Stormwater Infrastructure Loan Program	New action item.	0%
22	Seek funding to expand local vector control programs.	Goal 2, Obj 3	Biological (Disease)	ODH	B	GRF	New action item.	0%
Goal 2, Objective 4								
23	Develop a priority list of generator needs for Center for Medicaid/Medicare funded facilities.	Goal 2, Obj 4	Multi	ODH	B	GRF	New action item.	Ongoing
24	Ensure that federally-funded housing, community development, and economic development programs administered by the Ohio Development Services Agency are conducted in accordance with state and local floodplain management regulations.	Goal 2, Obj 4	Flood	DSA	C	GRF	New action item.	Ongoing

25	Partner with ODNR Floodplain Management Program to develop educational information for floodplain managers and the manufactured home community on the Manufactured Homes Program.	Goal 2, Obj 4	Flood	DOC – Industrial Compliance	C	GRF	New action item.	0%
26	Limit construction or assist with relocation of electrical substations, distribution, and transmission lines in flood prone areas that serve critical infrastructure customers	Goal 2, Obj 4	Multi	PUCO	B	PUCO approval for electric infrastructure improvement rider(s)	New action item	Ongoing
27	Implement ODA commitments delineated in the Ohio Domestic Action Plan for Lake Erie.	Goal 2, Obj 4	Natural Hazards	ODA-DSWC	B	GRF, USEPA & USDA	New action item.	Ongoing
28	OPWC will continue to incorporate hazard mitigation principles into emergency projects whenever possible.	Goal 2, Obj 4	Multi	OPWC	B	GRF	New action item.	Ongoing
Goal 2, Objective 5								
29	Support dialogue between stakeholders about utilization of quality building components to mitigate damage.	Goal 2, Obj 5	Multi	OPWC	B	GRF	New action item.	Ongoing

30	Work with industry to ensure a streamlined and consumer-focused claim filing and premium payment process during and after a disaster event.	Goal 2, Obj 5	Multi	ODI	C	GRF	New action item	Ongoing
31	Monitor the uptake of flood insurance on the private insurance market.	Goal 2, Obj 5	Flood	ODI	C	GRF	New action item	Ongoing
32	Support insurers offering hazard mitigation discounts to customers	Goal 2, Obj 5	Multi	ODI	C	GRF	New action item	Ongoing
33	Support dialogue between the National Flood Insurance Program, insurance companies and the lending community	Goal 2, Obj 5	Flood	ODI	C	GRF	New action item	Ongoing
34	Empower Ohioans with educational toolkits that will help them better understand hazard risks, insurance needs, and disaster preparedness.	Goal 2, Obj 5	Multi	ODI	C	GRF	New action item.	Ongoing
Goal 3, Objective 1								
35	Invite at least two additional entities each year to participate on the SHMT.	Goal 3, Obj 1	Multi	SHMT	C	GRF		Ongoing

36	OPWC will continue participation on the State Hazard Mitigation Team.	Goal 3, Obj 1	Multi	OPWC	B	GRF	New action item.	Ongoing
Goal 3, Objective 2								
37	Continue inter-agency participation on the USACE Silver Jackets Initiative.	Goal 3, Obj 2	Flood	SHMT	C	GRF	The Ohio Silver Jackets team meets quarterly and continues to implement a range of mitigation projects statewide.	Ongoing
38	Review the OBOA Substantial Damage mutual aid process and incorporate recent Stafford Act changes.	Goal 3, Obj 2	Flood	Ohio EMA, ODNR, and OBOA	B	GRF	New action item.	0%
39	Develop statewide procedures providing guidance to state agency fiscal officers on disaster cost tracking policy.	Goal 3, Obj 2	Multi	OBM	C	GRF	New action item.	Ongoing
Goal 3, Objective 3								
40	Develop and implement strong state incentives for maintaining local mitigation plans.	Goal 3, Obj 3	Multi	Ohio EMA	C	GRF		0%
41	Continue participation in the FEMA pilot program that enables Ohio to review and approve local hazard mitigation plans.	Goal 3, Obj 3	Multi	Ohio EMA	C	HMA and GRF	New action item.	Ongoing

Goal 3, Objective 4								
42	Ohio EMA will work with FEMA Region V legal staff to develop modified deed language for properties acquired with HMA funds in Ohio that clarifies the property re-use review and approval process.	Goal 3, Obj 4	Multi	Ohio EMA	C	HMA	New action item.	0%
Goal 4, Objective 1								
43	Conduct training and/or post-disaster briefings for appropriate audiences on substantial damage assessments	Goal 4, Obj 1	Flood	ODNR-DOW, FPM	A		Workshops are conducted as needed or requested. Post-event briefings are ready for deployment.	Ongoing
Goal 4, Objective 2								
44	Develop and implement an outreach strategy targeting repetitive loss property owners on mitigation techniques and funding programs	Goal 4, Obj 2	Flood	Ohio EMA Mitigation Branch	C		Ohio EMA will continue to utilize FMA technical assistance grants to implement repetitive loss outreach to property owners.	Ongoing
Goal 4, Objective 3								
45	Reduce the number of severe repetitive loss properties each year by assisting such owners with successful funding of mitigation projects through FEMA mitigation programs	Goal 4, Obj 3	Flood	Ohio EMA Mitigation Branch	A	HMA, State GRF, and local funds from various sources including property owners	Ongoing effort through the administration and implementation of FEMA HMA programs and other mitigation funding sources. According to SHARPP, 1532 properties have been mitigated in Ohio using HMA programs.	Ongoing

Goal 5, Objective 1								
46	Develop success stories in wind resistant construction codes and mitigation techniques.	Goal 5, Obj 1	Wind	Ohio EMA Mitigation Branch	C	GRF		Ongoing
47	Update the Debris Management Course, deliver pilot offerings, and train Ohio EMA Regional staff to deliver the course.	Goal 5, Obj. 1	Multi	Ohio EPA and Ohio EMA	C	GRF	New action item.	0%
48	Create Ohio version of mitigation planning and project courses	Goal 5, Obj 1	Multi	Ohio EMA	C	GRF	New action item	0%
49	Vector Control recommendations communicated to the public to eliminate/avoid sources of standing water and overgrown brush that allow for the breeding of disease-carrying vectors.	Goal 5, Obj 1	Biological (Disease)	ODH	C	GRF	Enduring mitigation program not identified in previous plans.	Ongoing
50	Ohio EMA will continue to actively participate on the Ohio Committee for Severe Weather Awareness.	Goal 5, Obj 1	Multi-hazard	Ohio EMA Mitigation Branch	C	GRF	Ongoing	Ongoing
51	Continue to maintain, populate, and enhance the State Hazard Analysis Resource and Planning Portal.	Goal 5, Obj 2	Multi	Ohio EMA Mitigation Branch	C	GRF	Ohio EMA will work with DAS and DPS IT to upgrade outdated portions of site.	Ongoing

Goal 5, Objective 2								
52	Develop an interactive digital summary of the State of Ohio Hazard Mitigation Plan.	Goal 5, Obj 2	Multi	Ohio EMA	C	PDM and State GRF	New action item. PDM grant to help pay the cost was awarded in summer 2018. Project kick-off with IT staff will occur winter of 2019.	5%
53	Conduct open space monitoring of properties purchased with HMA funds and report to FEMA every 3 years using SHARPP.	Goal 5, Obj 2	Multi	Ohio EMA	A	GRF	New action item. Ohio EMA Mitigation Branch will utilize SHARPP to conduct open space monitoring and report to FEMA every three years.	Ongoing
Goal 5, Objective 3								
54	Sustain the Mitigation Branch internship program.	Goal 5, Obj 3	Multi	Ohio EMA	B	HMA and GRF	Revised action item.	Ongoing
55	Continue the local mitigation planning studio course with The Ohio State University.	Goal 5, Obj 3	Multi	Ohio EMA and OSU	B	HMA and GRF	New action item.	Ongoing
Goal 5, Objective 4								
56	Incorporate a "weather resilience" data category into the Traffic Operation Assessment Systems Tool (TOAST)	Goal 5, Obj 4	Multi	ODOT	B	ODOT	New action item.	0%
57	Educate potential applicants on how OPWC programs can be used to assist with mitigation.	Goal 5, Obj 5	Multi	OPWC	C	GRF	New action item.	Ongoing

Goal 6, Objective 1								
58	Continue to support efforts to comply with the Emergency Management Accreditation Program (EMAP).	Goal 6, Obj 1	Multi	Ohio EMA Mitigation Branch	C	GRF	Ohio EMA EMAP re-accreditation is scheduled for February 2019.	Ongoing
59	Continue participation on emergency management and floodplain association workgroups.	Goal 6, Obj 1	Multi	Ohio EMA Mitigation Branch	C		Mitigation Branch staff participate in multiple associations and work groups.	Ongoing
60	Participate in earthquake table top exercise with mitigation component.	Goal 6, Obj 1	Earthquake	Ohio EMA Mitigation Branch	C	NEHRP	Kick-off meeting for exercise design will occur in winter 2019.	5%