

City of Milwaukee Department of Public Works
City of Milwaukee Office of Emergency Management and Homeland Security
Southeastern Wisconsin Regional Planning Commission

Notice of Meeting and Agenda

CITY OF MILWAUKEE ALL HAZARDS MITIGATION PLAN LOCAL PLANNING TEAM

DATE: October 5, 2016
TIME: 1:00 to 4:00 p.m.
PLACE: Frank P. Zeidler Municipal Building
Room 501
841 N. Broadway Street
Milwaukee, Wisconsin

AGENDA:

1. Welcome
2. Introductions
3. Overview of hazard mitigation plan updating process: Joseph E. Boxhorn, SEWRPC Senior Planner
4. Background on the second update to the City of Milwaukee All Hazard Mitigation Plan: Joe Boxhorn
5. Hazard and vulnerability assessment exercise (Attachment 1): Joe Boxhorn
6. Adjourn

Joseph E. Boxhorn
Secretary

Enclosures

CAPR-282 3RD ED MEETING NOTICE 05-OCT-2016 (00234016).DOC
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LLK/JEB/kmd
09/14/16

INSTRUCTIONS FOR COMPLETING HAZARD VULNERABILITY AND ASSESSMENT TOOL

The purpose of this Hazard Vulnerability and Assessment Tool is to evaluate the potential that specific hazards may occur, the likely severity of impacts resulting from these hazards, and the extent to which these impacts may be mitigated by current levels of preparedness. The tool uses estimates of probability of occurrence, likely severity of impacts, and level of preparedness to estimate the risk posed by each hazard.

Please address all of the potential threats that are listed. Instructions for completing entries in each column are given below.

Probability

For each of the listed hazards, please indicate the likelihood that it will occur, with 1 indicating a low probability of occurrence, 2 indicating a moderate probability of occurrence, and 3 indicating a high probability of occurrence. Issues to consider for probability include, but are not limited to:

- Known risk,
- Historical data and experience, and
- Local government or agency experience.

Human Impacts

For each of the listed hazards, please indicate what you consider to be the likely level of impacts to human life if the hazard occurs, with 1 indicating a low level of impacts, 2 indicating a moderate level of impacts, and 3 indicating a high level of impacts. Issues to consider for human impacts include, but are not limited to:

- Potential of the hazard to cause death, and
- Potential of the hazard to cause injury requiring medical treatment.

Property Impacts

For each of the listed hazards, please indicate the likely level of physical losses and damages to property if the hazard occurs, with 1 indicating a low level of losses and damages, 2 indicating a moderate level of losses and damages, and 3 indicating a high level of losses and damages. Issues to consider for property impacts include, but are not limited to:

- The potential of the hazard to cause damage to property or crops,
- The cost to replace damaged property,
- The cost to set up a temporary replacement for damaged property,
- The cost to repair damaged property, and
- The time to recover from the property damage.

Business and Government Agency Impacts

For each of the listed hazards, please indicate what the likely level of impacts to the operations of businesses and government agencies is if the hazard occurs, with 1 indicating a low level of impacts, 2 indicating a moderate level of impacts, and 3 indicating a high level of impacts. Issues to consider for business impacts include, but are not limited to:

- Business or agency interruption,
- Employees unable to report to work,
- Customers or clients unable to reach facility,
- Company or agency in violation of contractual agreements,
- Imposition of fines and penalties or legal costs,
- Interruption of access to critical supplies,
- Interruption of product or service distribution,
- Financial impact or burden, and
- Interruption of critical care and emergency services.

Preparedness

For each of the listed hazards, please indicate the current level of preparedness for dealing with the hazard and its impacts, with 1 indicating a high level of preparedness, 2 indicating a moderate level of preparedness, and three indicating a low level of preparedness or no preparedness. Issues to consider for preparedness include, but are not limited to:

- The status of current plans that address the hazard,
- The frequency of drills that address the hazard,
- The status of training related to the hazard and its impacts,
- Insurance,
- The availability of back-up systems, and
- The availability of community resources.

This survey will be compiled and the results will be reported during the hazard identification phase of developing or updating the hazard mitigation plan.

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AWO/JEB/PK
05/27/15

**HAZARD AND VULNERABILITY ASSESSMENT TOOL
CITY OF MILWAUKEE ALL HAZARD MITIGATION PLAN UPDATE**

EVENT	PROBABILITY	SEVERITY = (MAGNITUDE - MITIGATION)				RISK
		HUMAN IMPACT	PROPERTY IMPACT	BUSINESS AND AGENCY IMPACT	PREPAREDNESS	
		<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interruption of services</i>	<i>Preplanning</i>	
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%
A1. Riverine flooding						0%
A2. Stormwater flooding						0%
A3. Tornado or high straight-line wind event						0%
A4. Earthquake						0%
A5. Lake Michigan coastal erosion (long-term lake level changes)						0%
A6. Snow storm						0%
A7. Blizzard or extreme snowfall						0%
A8. Ice storm						0%
A9. Extreme heat						0%
A10. Extreme cold						0%
A11. Lightning						0%
A12. Thunderstorm						0%
A13. Hail						0%
A14. Fog						0%
A15. Drought						0%
A16. Dust storm						0%
B1. Contamination or loss of water supply system						0%
B2. Loss of sewerage system						0%
B3. Loss of telecommunication						0%
B4. Electrical system outage						0%
B5. Computer system incident/cyber attack						0%
C1. Hazardous materials railroad incidents						0%
C2. Hazardous materials roadway incidents						0%
C3. Hazardous materials pipeline incidents						0%
C4. Hazardous materials fixed facility incidents (industries, bulk fuel storage sites, grain elevators, agricultural chemical storage, and explosives, including fireworks storage)						0%
D1. Aircraft Transportation Accident						0%
D2. Roadway transportation accidents						0%
D3. Railway transportation accidents						0%
E1. Correctional center incident						0%
E2. Civil unrest						0%
E3. Terrorism incident (bomb threat, hostage situation, biological incident)						0%
E4. Biological contaminants (anthrax, smallpox, etc.)						0%
E5. Workplace violence						0%
E6. School violence						0%
F1. Communicable disease outbreak or epidemic						0%
G1. Major fire (structure(s) or other)						0%
G2. Explosion						0%
G3. Mass casualty incident						0%
G4. Building collapse or cave-in						0%
AVERAGE SCORE	0.00	0.00	0.00	0.00	0.00	0%

*Threat increases with percentage.

Source: Kaiser Permanente and SEWRPC.

RISK = PROBABILITY * SEVERITY
0.00 0.00 0.00