



The Emmet County Office of Emergency Management and Networks Northwest are currently working on Phase I of the process to update to the Emmet County Hazard Mitigation Plan. Hazard mitigation planning reduces loss of life and property by minimizing the impact of disasters. This phase of the update includes data collection and community input from all local jurisdictions in Emmet County.

In the scope of this plan, a "natural hazard" includes events such as extreme rainfall, severe thunderstorms, extreme winter weather (ice/snow), strong winds, tornado, extreme heat/cold, drought, wildfire, Great Lakes shoreline hazards, inland flooding & erosion, and invasive species. The plan will also consider the risk pertaining to "technological hazards" (such as dam failure, infrastructure failure) and "human-related hazards" (such as public health emergencies, civil disturbances, and terrorism).

Your participation in this survey is vital to the success of the planning process. We are seeking input on past projects, natural hazard events in your community, and potential mitigation strategies you would like to see considered in the plan.

Your participation is also voluntary. You may choose not to answer certain questions, to discontinue your participation at any time, or not to participate at all, without consequences. Local officials should note their name, organization, and title will be published in the final plan to indicate participation from an agency representative - a requirement of the approval agency, FEMA. If you have any questions or concerns about this project, please contact Stephanie Marchbanks, Community Planner (stephanie.marchbanks@networksnorthwest.org).

Q2 - Please identify the jurisdiction(s) you live in, work in, or generally represent in Emmet County (choose all that apply). - Selected Choice

58 Responses

Field	Choice Count
Emmet County Government	25
City of Petoskey	13
Bear Creek Township	11
Springvale Township	8
Resort Township	8
Little Traverse Township	8
Pleasantview Township	6
West Traverse Township	5
Other	5
Village of Mackinaw City	5
Wawatam Township	4
Littlefield Township	4
Carp Lake Township	4
Village of Alanson	4
City of Harbor Springs	4
Friendship Township	3
Cross Village Township	3
Center Township	3
McKinley Township	2
Maple River Township	2
Bliss Township	2
Village of Pellston	2

Select a Source

Q3 - What is your role/organizational representation within Emmet County (i.e. resident, local government employee, elected official, business or property owner, etc.)?

58 Responses

Emmet County Government, Littlefield Township

local government employee

local government employee

Emmet County Government

Emmet County Sheriff's Office

County Board of Commission, Board Chairman

Local Government Employee

local government employee

Local government employee/administration

County employee

Center Township, Cross Village Township, Other

Township Assessor in Readmond, Center and Cross Village. Property owner in Center and Resident of Readmond Township.

Bear Creek Township, Resort Township

Fire chief

Little Traverse Township

Elected Official

Village of Mackinaw City, Other

Charleviox Cheboygan Emmet Counties Public Service Communication Organization Inc,

Village of Mackinaw City, Carp Lake Township, Wawatam Township

resident and DPW Superintendent

West Traverse Township

Local government

Supervisor

resident/property owner

City of Petoskey, Resort Township

Environmental Non-Profit

County resident and local government employee

City of Petoskey

Local Government, Public Safety Director

Administrator, county medical care facility

resident, business owner, property owner

Village of Mackinaw City, Wawatam Township

Municipality-Mackinaw City Police Department

Emmet County Government, Little Traverse Township

resident, county employee, business owner

Emmet County DPW director and Little Traverse Township resident

county commissioner for Little Traverse Township and City of Harbor Springs

local government employee

Emmet County Government, City of Harbor Springs, Village of Pellston, City of Petoskey, Village of Alanson, Village of Mackinaw City, Bliss Township, Bear Creek Township, Carp Lake Township, Center Township, Cross Village Township, Friendship Township, Littlefield Township, Little Traverse Township, Maple River Township, McKinley Township, Pleasantview Township, Resort Township, Springvale Township, Wawatam Township, West Traverse Township

Tip of the Mitt Watershed Council - nonprofit whose mission to protect water resources

Elected Official (County Treasurer) and Local Unit Banking and Tax Collection & Distribution Support

Springvale Township

Local Government Employee

Village of Alanson, Bear Creek Township, Springvale Township

resident

Bear Creek Township, Springvale Township

Resident

Pleasantview Township

Resident and property owner

Resident

Deputy Clerk

Emmet County Government, Springvale Township

Emmet-Charlevoix Co. Fair Mgr.

government employee

property owner

Emmet County Government, City of Petoskey, Bear Creek Township

Elected Official, property owner, resident

City of Petoskey, Carp Lake Township

resident, county employee for DPW

Friendship Township

Resident

Resort Township

property owner and local government employee

Resident and business owner

Bear Creek Township

resident and employee

Property owner

resident

Emmet County Government, City of Petoskey

resident, Emmet County DPW/Recycling employee- Commercial accounts and Market development, Social Media Influencer, Petoskey City Council ward 4 elected official. Passionate about sustainable, storm debris management, diversion from landfill and PLANNING!

Emmet County Government, Bear Creek Township, Other

Environmental Health Department (HDNM) Emmet County office, EH Coordinator

Emmet County Government, Resort Township

Emmet County Equalization/GIS Deputy Director, resident

Emmet County Government, City of Petoskey, Village of Alanson

Emmet County Friend of the Court Director - Petoskey.

Village of Alanson - Resident

Other

Engineer/Manager - Emmet CRC

Elected official - probate court judge

Emmet County Government, Pleasantview Township

Local government employee & property owner

City of Harbor Springs

Resident, home owner, business owner

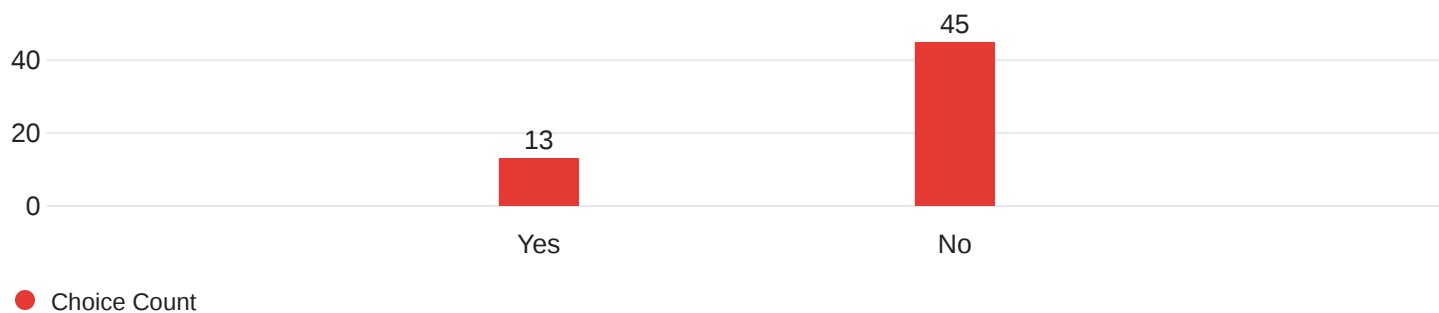
Harbor Springs Area Chamber of Commerce

City of Petoskey, Little Traverse Township

Resident

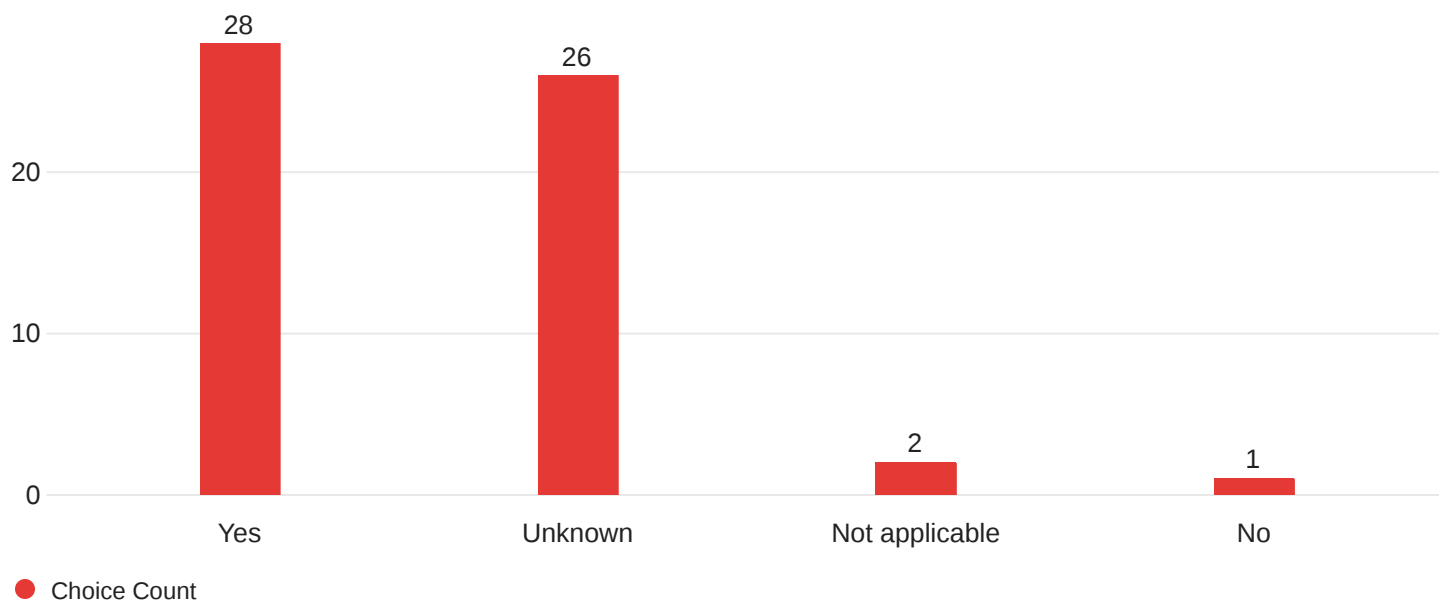
Q4 - Are you familiar with the County's 2016 Hazard Mitigation Plan?

58 Responses



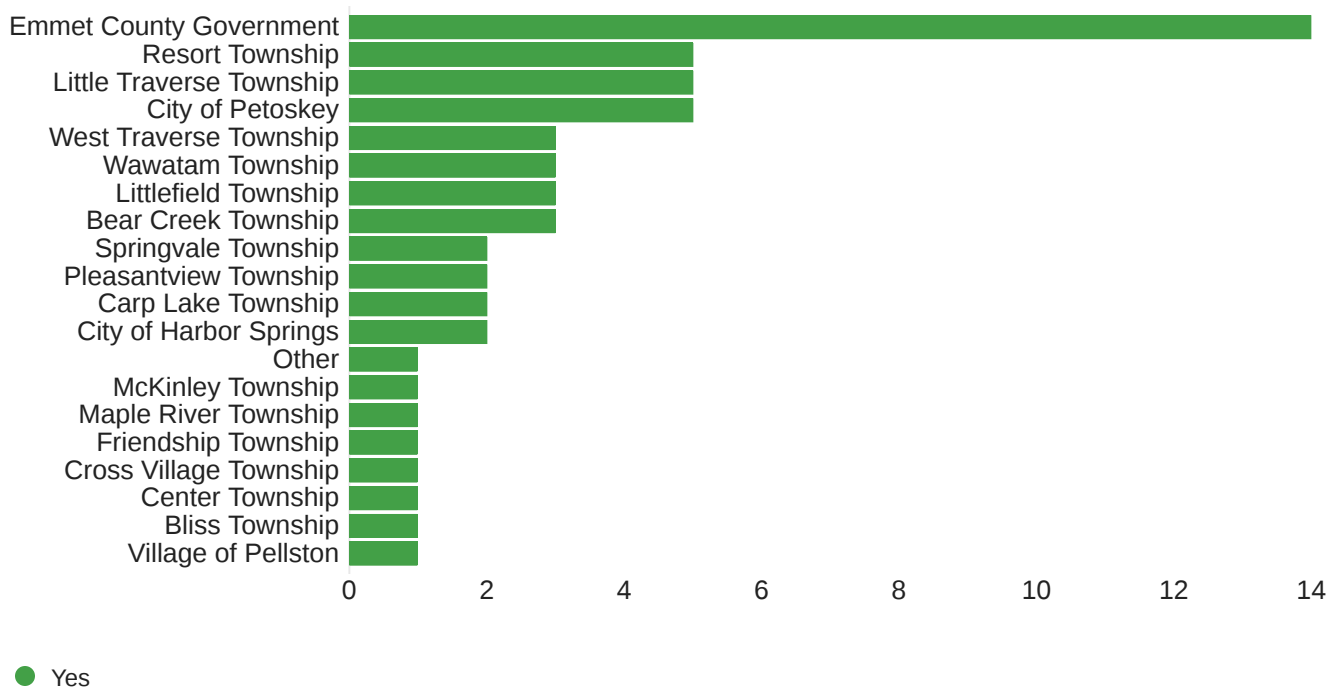
Q5 - Does the community you represent have an adopted Master Plan?

57 Responses



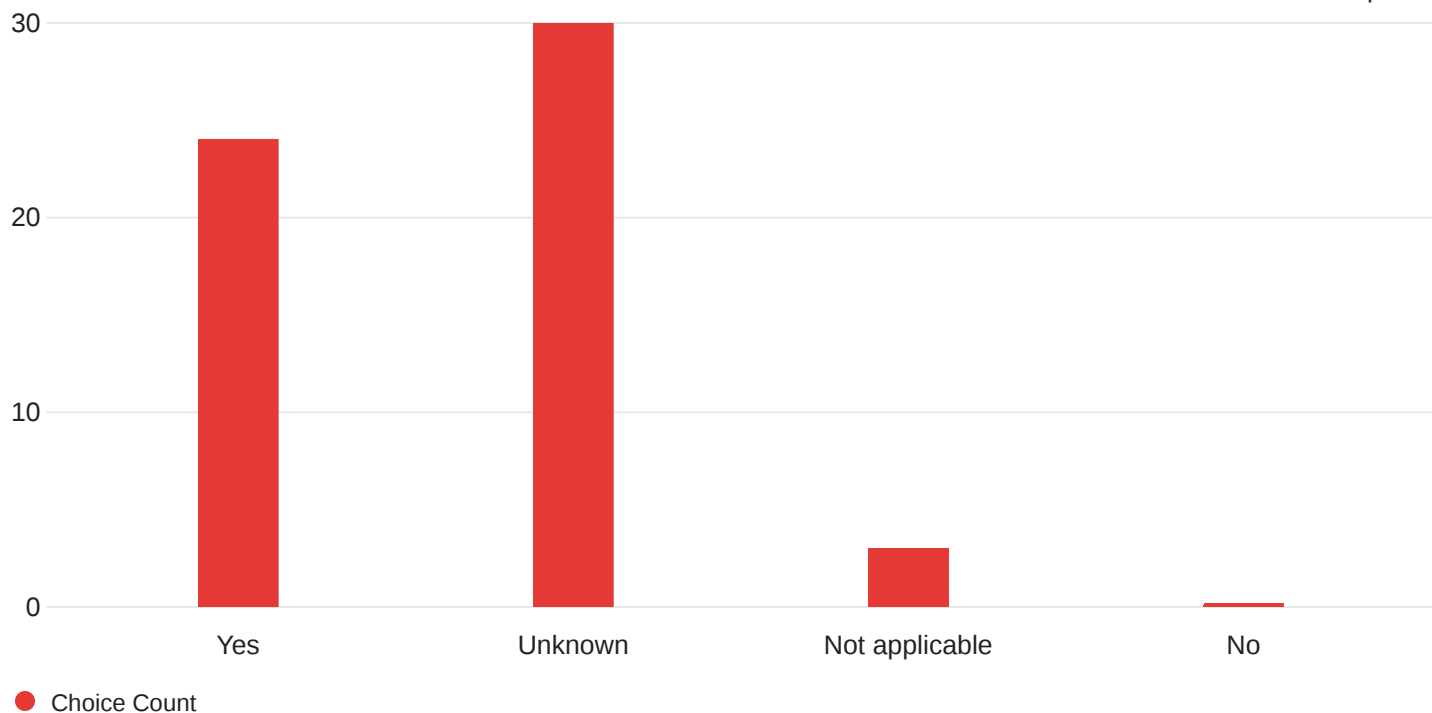
Q5 - Does the community you represent have an adopted Master Plan?

57 Responses



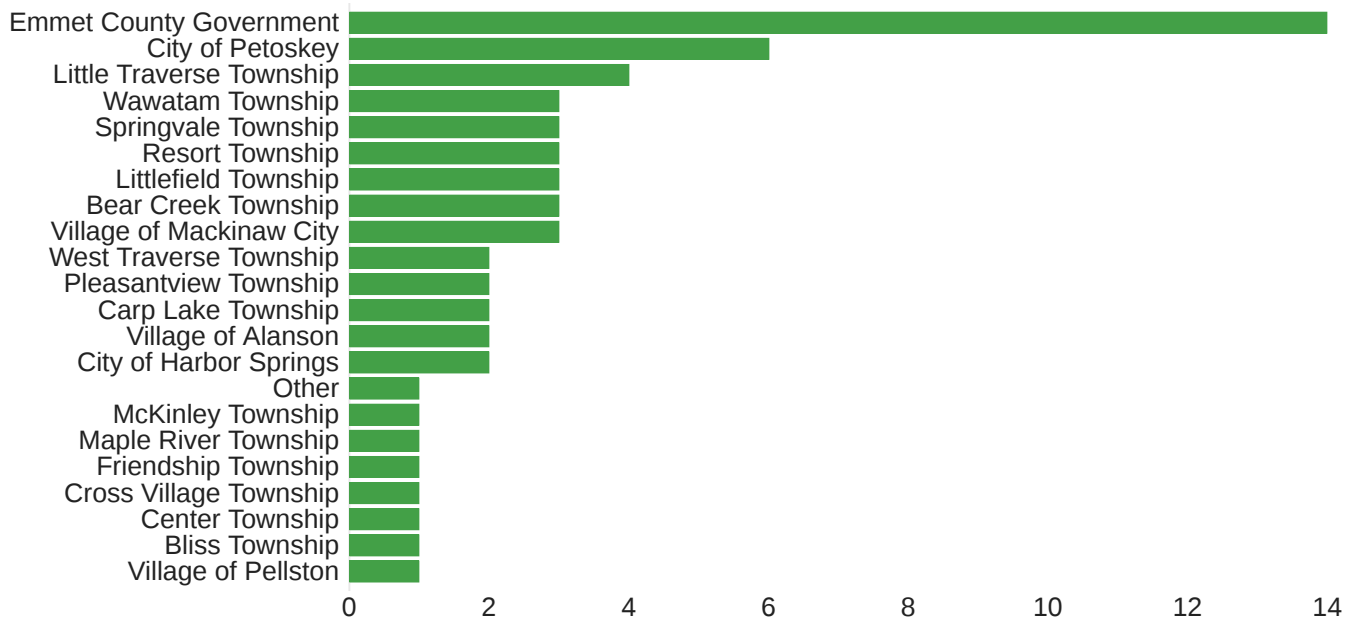
Q6 - Does the community you represent have an adopted Capital Improvements Plan?

57 Responses



Q6 - Does the community you represent have an adopted Capital Improvements Plan?

57 Responses



● Yes

Q7 - Please rate your level of concern regarding each type of potential Natural...

58 Responses

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Severe Winter Weather (blizzard, snowstorm, ice, sleet, etc.)	1.00	3.00	2.38	0.58	0.34	58	138.00
High Winds/Straight-line Winds	1.00	3.00	2.36	0.61	0.37	58	137.00
Lake MI Shoreline Hazards (fluctuating water levels, rip current, erosion, seiche, landslide, flooding)	1.00	3.00	2.17	0.67	0.45	58	126.00
Severe T-storm (lightning, hail, wind, intense rainfall)	1.00	3.00	2.12	0.56	0.31	58	123.00
Invasive Species (aquatic or terrestrial)	1.00	3.00	1.97	0.59	0.34	58	114.00
Plant and Animal Diseases	1.00	3.00	1.91	0.60	0.35	58	111.00
Extreme Cold	1.00	3.00	1.88	0.56	0.31	58	109.00
Excessive Rainfall/Flooding	1.00	3.00	1.83	0.70	0.49	58	106.00
Tornado or Waterspout	1.00	3.00	1.81	0.71	0.50	58	105.00
Wildfire	1.00	3.00	1.72	0.64	0.41	58	100.00
Dense Fog	1.00	3.00	1.53	0.56	0.32	58	89.00
Drought	1.00	3.00	1.52	0.56	0.32	58	88.00
Extreme Heat	1.00	3.00	1.52	0.59	0.35	58	88.00
Subsidence (i.e., sinkholes)	1.00	3.00	1.36	0.55	0.30	58	79.00
Space Weather (i.e., solar-geomagnetic storm, solar flare)	1.00	2.00	1.17	0.38	0.14	58	68.00
Meteorites & Other Impacting Objects from Space	1.00	2.00	1.09	0.28	0.08	58	63.00
Earthquakes	1.00	2.00	1.07	0.25	0.06	58	62.00

Q8 - Please describe your concerns regarding impacts from the above Natural Hazards.

33 Responses

Please describe your concerns regarding impacts from the above Natural Hazards.

The impacts on air travel & the Airport

Inconvenience of no electricity for a period of time.

safety of residents and visitors, utility services availability

Business interruption, home damage

Shoreline erosion, rip current, plant and animal diseases

Resources available in the community to respond to such events

In my role as a judge, I am concerned to the extent these hazards impact the ability of the court to provide services to county residents (i.e., unexpected closures) and the safety of residents in relation to their attendance at or access to the courts.

Keeping the road network and bridges open for travel

Living in a forested area and near the Great Lakes, fire and storm impacts from the lake are always in my thinking when I think of natural disasters.

Ensuring the safety & health of our constituents (food, heat, shelter, medical) and ensuring our ability to collect & distribute tax money to continue operations in the case of a long term service outage.

Concerns about how to handle widespread severe weather, and other Natural Hazards in order to keep people safe.

Damage to home and county structures

Ranked according to my perception of likelihood.

July of 2020's big storm that blew thru Petoskey and HS in a matter of hours, downed thousands of trees on private and public lands. Emmet County DPW managed the majority of the wood waste and was inundated with over 10,000 cubic yards of wood waste that we stockpiled then had ground and hauled to CMS energy's co-gen facility @ the cost of \$6 per yard. Wood debris needs to be sustainably managed and burying it in a pit (like city of Gaylord) is not the BMP. Emmet County DPW is willing and able to provide consultation and BMP's for managing all storm debris including waste to landfill, recycling, reuse and recovery of materials to their highest and best use.

Generalized damage or lack of goods

Winter months are unavoidable and create hazardous conditions for all.

Loss of power for extended periods of time. Lack of resource such as food and clean water.

What is the plan for each one. As there is really unknown information

I believe Emmet County fairgrounds is designated as a major disaster shelter particularly for housing animals in our barns.

Rural areas are quickly isolated and inaccessible after storms and power outages

Wildfire and Drought - Effect on farming and potential loss of property/life.

Damage to public infrastructure, damage to the economy

Ensuring that local power grid resources are available to operate our facility or support prompt response to our facility in the event of a natural disaster impacting our operation.

Who cleans up after natural disasters and where does the material go?

Invasive Species impact on our water, wildfires with the number of trees that have come down from the winds we have had.

Trimming of trees around power lines. Higher winds this year showed how vulnerable our grid system is to Northern Michigan tree density.

Impacts from climate change are detrimental to our infrastructure, water quality, and public health - flooding, extreme storm events, unprecedented lake level fluctuations (record lows to record highs in record time), erosion, sewage and septic contamination, spread of invasive species, etc.

Severe weather concerns as related to health and safety

Continued erosion along Lake Michigan shoreline.

Whether we can sustain one of these events.

Human injury or loss of life. Severe property damage

The above natural hazards may cause disruption of the economy and threaten life in Emmet County.

Severe weather especially winter

Q9 - Please rate your level of concern regarding each type of potential Technolo...

57 Responses

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Energy Failure (electric, natural gas, or petroleum)	1.00	3.00	2.23	0.62	0.39	57	127.00
Communications Failure	1.00	3.00	2.14	0.66	0.44	57	122.00
Oil and Gas Accident (well and pipeline)	1.00	3.00	2.09	0.73	0.54	57	119.00
Structural Fire	1.00	3.00	2.04	0.67	0.45	57	116.00
Transportation Hazardous Materials Accident (release via pipeline, railcar, aircraft, road vehicle or watercraft)	1.00	3.00	1.98	0.74	0.54	57	113.00
Transportation Accident (air, land, or marine vehicle crashes)	1.00	3.00	1.89	0.67	0.45	56	106.00
Road or Bridge Failure	1.00	3.00	1.88	0.68	0.46	57	107.00
Sanitary Sewer Failure	1.00	3.00	1.86	0.76	0.58	57	106.00
Hazardous Materials Release From a Fixed Site	1.00	3.00	1.79	0.74	0.55	57	102.00
Storm Sewer Failure	1.00	3.00	1.72	0.74	0.55	57	98.00
Dam Failure	1.00	3.00	1.35	0.63	0.40	57	77.00
Scrap Tire Fire	1.00	3.00	1.33	0.54	0.29	55	73.00

Q10 - Please describe your concerns regarding impacts from the above Technological Hazards.

25 Responses

Please describe your concerns regarding impacts from the above Technological Hazards.

The airport is at the end of two provider's "runs" and experiences power fluctuations.

We are a rural community in the center of the county. Most items on this page would be outside of the township safety of residents and visitors, utility services availability

Do we have the infrastructure to deal with any of these if they happen???

The lack of any plan to restore power, sewer, or roads after a significant event effecting these resources.

Again, my responses relate only to concerns as they impact county residents' access to the courts.

NA

Need to be able to access all systems hardware & software with up to date backups in order to collect & distribute monies.

damage or results that effect our home and lively hood

A rupture in Line 5, an oil spill @ the straights of mackinaw is an imminent disaster waiting to happen, only one way to resolve, shut it down. Infrastructure failures are a concern, City of Petoskey has over 70% of their utilities underground so electrical outages are rare. Waste water infrastructure is sound as city has invested millions in the past decade. City of Petoskey has a livable petoskey master plan and CIP's for every department. The Old Big Rock Nuclear power plant in Bay Shore (formerly Consumers Power) has spent, radioactive fuel rods stored in cement casks 100 feet from an ever eroding shoreline. The well traversed multi county, multi jurisdictional bike path fell into Lake Michigan in 2020 as well this will costs millions to repair, replace.

Renting an old home and concerned for electrical safety

Some of these events would be concerning if they occurred.

how do you help people with fires

electric & communications are vital to operation of the fairgrounds particularly during disasters because of being an emergency shelter.

Oil and gas pipelines in lakes and watersheds are very dangerous and electrical outages are frequent

Adverse economic impact

Ensuring that any event of this nature near our campus is contained so as not to impact resident safety.

Definitely concerned that a line 5 spill would impact our community. Also fires are a very likely concern as well.

I don't know the status of some of the bridges in our area. Should I have more concerns than what I have?

Discharge of contaminates in waterways. Failure to respond to incident or emergency.

Communication is so important and so dependent on outside influences. Many buildings lack backup electricity.

None

Same as last question

Long duration electrical outages pose a threat. Pipeline leaks and or explosions are a concern for the ageing Line 5 both under water and in ground.

Line 5

Q11 - Please rate your level of concern regarding each type of potential Human-Re...

56 Responses

Field	Min	Max	Mean	Standard Deviation	Variance	Responses	Sum
Public Health Emergency (i.e., epidemic, drinking water contamination)	1.00	3.00	2.18	0.68	0.47	56	122.00
Cyber-Attack	1.00	3.00	2.11	0.62	0.38	56	118.00
Terrorism & Similar Criminal Incidents (i.e., biological/nuclear/chemical weapons; active shooter)	1.00	3.00	1.93	0.62	0.39	56	108.00
Civil Disturbance (i.e., protests, riots, insurrection)	1.00	3.00	1.77	0.68	0.46	56	99.00

Q12 - Please describe your concerns regarding impacts from the above Human-Related Hazards.

19 Responses

Please describe your concerns regarding impacts from the above Human-Related Hazards.

Most people are on wells so ground water contamination is a concern. Terrorism is something to be planned for but not worried about. Cyber-attacks are insured against.

safety of residents and visitors, utility services availability

Civil disturbances related to politics, which have divided our community beyond what I thought possible. What happened to agreeing to disagreeing and being neighbors?

The response to our recent pandemic was not efficient and lacked clear guidelines for the community to access.

Concerned about safety in the courtroom/county building and the security of court communications.

With the polarization around a lot of things recently, cyber attacks and civil disturbances seem potentially more likely.

Highly politicized environment with a lot of antigovernment sentiment. Never really secure. Feel our building is not prepared for a criminal incident. Cyber-Attack without real-time backups would be devastating.

the effect on our health and welfare along with communication.

If any of these events occurred they would be of concern. I'm just not sure if some would directly impact

What are your plans and how do you train for this kind of thing

All of the above can affect all county operations.

Our response to pandemics needs better communication and community cooperation

Protest for the most part have remained peaceful, but it seems there has been an increase in frustrations by friends and neighbors.

We have already experienced epidemics and drinking water contamination. Cyber-attacks and impacts from protests/riots are increasing on pipeline infrastructure across the country and we have Line 5 in our service area that is a potential target.

These types of hazards seem to come up so suddenly and without provocation. Difficult to predict.

Have concern about other countries interfering with our communication system.

Loss of life and panic in the Citizenry.

We should be prepared for any of the above events.

All are somewhat of a concern

Q13 - Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

34 Responses

Emmet County Government

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Winter Storms

Tannery Creek flooding on US 31. Road closures due to erosion. Trail closures due to erosion. Power outage due to wind and ice damage. Not able to perform county government work functions due to communication and power disruptions.

winter weather/high wind damage

Pleasantview Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

None

Pandemic, blizzards, power disruption, roads crumbling, wind damage

Emmet County Government, Little Traverse Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Straight line winds damage

The straight line winds July 2021 and clean up of it. This year gaylords tornado showed that there is a possibility of damaging tornadoes in our area as well.

multiple damaging wind and ice storms, cyber attacks on government, transportation accidents with and without hazardous materials, bomb threats (terrorism) and eco terrorism against the pipeline.

Resort Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Wind and thunderstorms, power outages

Bear Creek Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Tornado touchdown in downtown Petoskey a couple of years ago. Some areas suffered more damage than others, but this is only the second tornado in my entire life that has occurred in northern Michigan. So, I'm not concerned about it, but it could happen again.

Most damage has come from storms. 2 cyber threats in the last 2 years.

Emmet County Government, Pleasantview Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Pandemic and severe weather

Other

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

I am unaware of any events that significantly impacted our ability to provide court services, other than the occasional closure for severe weather conditions.

Snow, ice and wind storms

Emmet County Government, Springvale Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Tornado in Gaylord May 2022

The storms that have occurred with high winds and power outages have caused the most problems but thankfully it's only been a temporary inconvenience. It would be much more concerning if these events happened in the winter. We've also been lucky that they seem to happen when it's been warmer.

storms, shoreline erosion, power outages

City of Petoskey, Resort Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

NA

An anchor struck line 5 pipeline

Emmet County Government, City of Harbor Springs, Village of Pellston, City of Petoskey, Village of Alanson, Village of Mackinaw City, Bliss Township, Bear Creek Township, Carp Lake Township, Center Township, Cross Village Township, Friendship Township, Littlefield Township, Little Traverse Township, Maple River Township, McKinley Township, Pleasantview Township, Resort Township, Springvale Township, Wawatam Township, West Traverse Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Minor issues needing software backups that weren't available. Power outages during severe cold. Building severely unprepared during a perceived active shooter threat.

High water destroying shoreline infrastructure. Snowmelt and rainfall resulting in landslides causing significant property damage. Excessive flooding and stormwater overflow. Septic failures due to high water tables or failure to maintain systems. Invasive species invading many inland lakes and streams, and the Great Lakes shoreline. Hardening of the shoreline which causes further erosion and other ecological problems for the waters. Plane crashes.

Emmet County Government, Resort Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

heavy snow falls, high winds and no visibility, soil erosion along lake Michigan shoreline

Emmet County Government, Bear Creek Township, Other

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Covid was the closest thing to a disaster that impacted our region/community as a whole, at the Health Department we had to respond to help protect the community from known and unknown concerns, with the only tools we had available.

Emmet County Government, City of Petoskey

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Storm July 2020, high lake water events, damage to public investment/infrastructure, PFAS in drinking water @ Pellston airport, ZD metals Industrial fire. The increase in air bnb's short term rentals displacing workers, students, laborers, families throughout little traverse bay.

Emmet County Government, City of Petoskey, Bear Creek Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Covid 19 Epidemic

City of Petoskey

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

COVID-19 pandemic 2020-2021, severe thunderstorm in July 2020 that had significant, community-wide damage, changing water levels caused a significant portion of the Little Traverse Wheelway to collapse due to erosion sometime in 2020, one or more boats crossing the Mackinac Straits have accidentally 'hit' the Line 5 pipeline in 2019 (I think), there are still pockets of Emmet County that occasionally go 3-4 days without power following even mild inclement weather.

Current public health emergency continues to impact our ability to care for county residents at the medical care facility. We have been in an ongoing state of managing this health crisis for more than two years with our incident command team in operation since March 2020. We continue to maintain all emergency operations activities, including drills and exercises, in the event we must respond to another emergent hazardous situation. Our facility appreciates being part of Region 7 and the support of the Office of Emergency Management for community-wide drills and engagement. This relationship is critical to our successful planning and response to disaster should that be necessary.

Severe summer storm a few years ago, resulting in significant damage in and around Petoskey

Village of Alanson, Bear Creek Township, Springvale Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Structural fire with hazards chemicals - will it happen again? Snow storms impact on roads. Roads flooded after a storm. Power outage after a storms - Snow, Thunder storms

West Traverse Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

COVID Pandemic

Straight line winds

Little Traverse Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Shoreline erosion causing road closures

Bear Creek Township, Resort Township

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Power outages. Winter storm

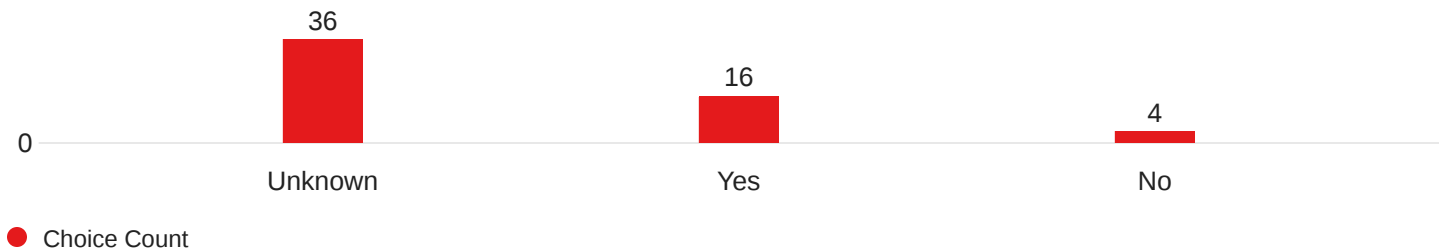
Center Township,Cross Village Township,Other

Please describe any disruptive or damaging hazard events that have occurred within your community in the last ten years.

Some shoreline erosion. Auto accidents remain the largest threat to life and limb in the County. Power outages happen a little to frequently. Dead and falling trees on our roads appear to be a serious potential problem.

Q14 - Has your community considered mitigation strategies for potential or current hazards?

56 Responses



Q15 - If so, please identify potential strategies you would like to explore in the future.

11 Responses

Emmet County Government, City of Harbor Springs, Village of Pellston, City of Petoskey, Village of Alanson, Village of Mackinaw City, Bliss Township, Bear Creek Township, Carp Lake Township, Center Township, Cross Village Township, Friendship Township, Littlefield Township, Little Traverse Township, Maple River Township, McKinley Township, Pleasantview Township, Resort Township, Springvale Township, Wawatam Township, West Traverse Township

If so, please identify potential strategies you would like to explore in the future.

I know they have done some, but I have not been involved.

- Green Infrastructure
- Flooding Management
- Shoreline Bioengineering

Emmet County Government, City of Petoskey

If so, please identify potential strategies you would like to explore in the future.

Feasability studies for shoreline restoration and native plantings, rerouting bike path to Highway, a suspension bridge as a replacement for bike path etc...

City of Petoskey

If so, please identify potential strategies you would like to explore in the future.

It continues to dumbfound me that Emmet County WILL NOT embrace a comprehensive, sustainably-financed, countywide public transit system. For hazards where masses of people need to be efficiently moved and/or traffic congestion is not ideal, public transit is a critical piece of infrastructure.

Our emergency operations plan includes risk mitigation strategies for many types of events.

Emmet County Government, Little Traverse Township

If so, please identify potential strategies you would like to explore in the future.

I would like to work with you on creating a plan for disaster debris clean up. I know this is a part of planning that is generally overlooked or assumed that someone else will take care of it but we (the transfer station) likely doesn't have capacity for large scale clean up efforts.

Emmet County Government

If so, please identify potential strategies you would like to explore in the future.

Tannery Creek flooding study started. Need property owner cooperation and grant funding to correct the issues.

PFAS contamination

West Traverse Township

If so, please identify potential strategies you would like to explore in the future.

Flood mitigation.

Little Traverse Township

If so, please identify potential strategies you would like to explore in the future.

Update emergency preparedness plan and hold emergency response exercises.

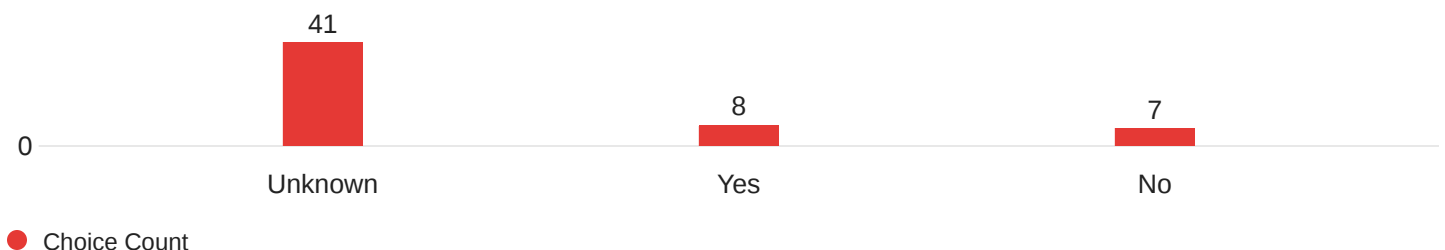
Center Township, Cross Village Township, Other

If so, please identify potential strategies you would like to explore in the future.

Removal of hazardous and dead trees along road rights of way.

Q16 - Has your community requested assistance for mitigation projects in the past? (I.e., from FEMA or other partner agencies.)

56 Responses



Q17 - If so, was your request granted and what type of project did the request include?

6 Responses

Emmet County Government, City of Harbor Springs, Village of Pellston, City of Petoskey, Village of Alanson, Village of Mackinaw City, Bliss Township, Bear Creek Township, Carp Lake Township, Center Township, Cross Village Township, Friendship Township, Littlefield Township, Little Traverse Township, Maple River Township, McKinley Township, Pleasantview Township, Resort Township, Springvale Township, Wawatam Township, West Traverse Township

If so, was your request granted and what type of project did the request include?

arpa & covid monies and tracking

No, because we have not had an approved HMP for years. Soil stabilization and drainage improvement project would remedy washouts caused from spring snow melts and storms along Lake Michigan in northern Emmet County. The proposed drainage improvements project will consist of constructing an approximately 10-foot wide, 600-foot long ditch along the east side of M-119 to intercept spring snow melt and storm water runoff that flows from east to west toward the bluff on the west side of M-119 and eventually into Lake Michigan.

Emmet County Government, City of Petoskey

If so, was your request granted and what type of project did the request include?

EGLE, State of Michigan. Not sure if they were applied for and granted or not...

City of Petoskey

If so, was your request granted and what type of project did the request include?

Staffing during COVID outbreak from MDHHS

West Traverse Township

If so, was your request granted and what type of project did the request include?

Approval of project.

Emmet County Government

If so, was your request granted and what type of project did the request include?

MDEQ PFAS mitigation grants for areas around Airport.

Q18 - Is there any additional information you would like us to consider as we update the County's Hazard Mitigation Plan?

12 Responses

Is there any additional information you would like us to consider as we update the County's Hazard Mitigation Plan?

I don't know a lot about this and what the minimum standards are. I hope we are at least making a plan that meets that if not more. We are a tourist area and even though our population is small we need to plan for times when our population has more than doubled!

I believe there is also an Emmet County Emergency Procedures Plan that may relate to your current planning project.

Accounting and the Treasurer's Office could use some training regarding what information will be needed to submit appropriate documentation for emergency monetary assistance. We should also be prepared technologically if we are unable to access the building and/or building servers to keep essential operations going.

snow removal in heavy snow storms, helping to repair bike trail

Don't assume the waste haulers are gonna show up with Roll-OFF's to haul away all debris from a natural disaster. Contact city and county DPW's for best management practices and be WARY of people, contractors overcharging customers for emergency services- like the tree contractor did in Otsego County and is under investigation by the AG.

Protect the watersheds and lakes! Upgrade electric system, and improve transportation systems

Okland county is working on a model project of how to incorporate disaster debris clean up into emergency planning and will happily share with us their process so we can put something similar into place up here.

It has been made known that the Watershed Council is extremely disappointed with the timing of the update process. The Watershed Council likely will have secured \$555,975 in federal appropriations that will not be able to be used due to this update taking so long. I have worked with the OEC for more than 15 years and been through HMP updates. It has never taken this long. I understand you are just a contractor and doing your job, but it is highly disappointing that the county will miss out on a large investment and improvement.

Line 5 Pipe line rupturing and destroying the largest body of fresh water on earth.

No

No

Education on this topic will be key to developing and implementing a plan.