

Beech Creek Borough

Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity. Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Health risks, drain ditches that are needed to carry storm water, but lay wet. (West Nile)
2. State Route 150, detour route for I-80 closed due to winter storms or accident.
3. Flooding – see attached floodplain report – more runoff than stream flood.

2. How many homes/businesses are frequently impacted by these hazards and what are their locations?

259 homes, approximately 25 businesses

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?

Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

We are working on storm drain projects currently. The other areas – is there a solution?

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example – How much would it cost to elevate utilities in homes or replace destroyed homes vulnerable to the hazards you identified).

Don't know – would hope that insurance of each home would cover most of it.

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

Water Street (M/O Road) is a state highway.

The only street of the boroughs is a very small area being Hill Street and Mill Street that is our access to sewer plant.

Don't know costs.

Beech Creek Borough (cont)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much would it cost to rebuild or replace).

Nothing flooding. Our sewer plant is affected due to access road but itself is high enough. We have more problems with the storms infiltration than anything else. To rebuild anything due to destruction of storm or terrorism, have no idea – I hope that we carry enough insurance to recover in an event.

7. Evaluate and prioritize your **Hazard Mitigation Possibilities**. (Wish List)

I hope that this is of help to what you are requesting. Dollar figures are hard to come up with. To replace is one thing, but you always upgrade or go larger when you rebuild.

Mayor David E. Orr

Beech Creek Township

Clinton County Hazard Mitigation Questionnaire

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1. Identify the hazards that affect your municipality and prioritize them according to severity. Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Winter Storms
2. Floods

2. How many homes/businesses are frequently impacted by these hazards and what are their locations?

Approximately 50 residences; those bordering secondary roads and in the floodplain.

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?

Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

Road improvements and stream cleaning

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example – How much would it cost to elevate utilities in homes or replace destroyed homes vulnerable to the hazards you identified).

\$200,000 - \$400,000

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

Shoulders of township roads (\$30,000.00)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much would it cost to rebuild or replace).

N/A

Beech Creek Township (cont)

7. Evaluate and prioritize your **Hazard Mitigation Possibilities**. (Wish List)

Stream cleaning
Increased Liquid Fuels funding
Assistance

Chapman Township

Clinton County Hazard Mitigation Questionnaire

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1. Identify the hazards that affect your municipality and prioritize them according to severity. Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

Flooding and winter storms

2. How many homes/businesses are frequently impacted by these hazards and what are their locations?

Flooding – 40 along Young Woman’s Creek, Hyner Run, Susquehanna River in Hyner and North Bend. Winter storms could affect every home in Chapman Township.

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?

Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

1. Re-route Young Woman’s Creek, higher bank stabilization, debris removal.
2. Susquehanna River – dredge river, remove islands
3. Hyner Run bank stabilization, debris removal.

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example – How much would it cost to elevate utilities in homes or replace destroyed homes vulnerable to the hazards you identified).

Flooding would mostly affect basements and contents. \$800,000.00

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

Roadways flooded – Hyner River Road, Reese Road (North Bend River Road), and Young Woman’s Creek Road. Cost to upgrade \$900,000.00. Summerson’s Mountain Road berm erosion \$30,000.00

Chapman Township (cont)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much would it cost to rebuild or replace).

Nothing flooding. Our sewer plant is affected due to access road but itself is high enough. We have more problems with the storms infiltration than anything else.

7. To rebuild anything due to destruction of storm or terrorism, have no idea – I hope that we carry enough insurance to recover in an event. I hope that this is of help to what you are requesting. Dollar figures are hard to come up with. To replace is one thing, but you always upgrade or go larger when you rebuild.

City of Lock Haven

Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

- A. Thunderstorms/Wind Damage (Trees/Wires)
- B. Winter Storms (Access & Tree Damage/Wires)
- C. Flooding (Low areas inside levee)
- D. Hazardous Material Spills (Transportation Routes)
- E. Major Fires

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

- A. Entire City
- B. Entire City
- C. Area of Flood Plain within levee
- D. Areas along highways & railroad
- E. Anywhere, 1 building/year

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?

Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

- A. Remove dead & diseased trees, improve storm sewer system
- B. Purchase more and newer equipment for snow removal
- C. Public warning system, improve storm sewer system
- D. Increase monitoring of transportation
- E. Purchase more/better fire equipment

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

- A. Tree Removal – initial \$50,000 and ongoing annual expense
 - a. Storm sewers - \$500,000
- B. \$250,000 for equipment (snow)
- C. Storm sewers \$500,00
 - a. Warning system – unknown
- D. Unknown
- E. Complete replacement of fire equipment - \$1 ½ million

City of Lock Haven (cont)

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

Roads:

Airport/Water Street and Creek Road
Hanna Street @ East Walnut Street
Railroad Street
West Bald Eagle Street @ West Park Street

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

- Entrance to Sewage Plant
 - St. Agnes Parish Center
- No real damages, but access is lost

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

Priorities:

1. Purchase more & newer Snow Removal Equipment
2. Purchase more & newer Fire Equipment
3. Storm Sewer System Improvements
4. Tree Removal Program
5. Warning System

East Keating Township
Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Flood
2. Winter Storms
3. Thunderstorms
4. Windstorms

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

Entire Township

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?

Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

Cell phone capability!!!!

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

Unknown

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

SR4002 Keating MT. Road. Approximately 400' section floods repeatedly.
Residents are unable to get out of the village.

East Keating Township (cont)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

1. Cell phone capability. We have power loss constantly. When power is out we lose our phone service. Township cannot get emergency assistance.
2. Levy or retainer on Sinnamahoning Creek (See #5). This would allow emergency equipment in and let residents out. –OR- reroute SR4002 from bridge straight across to TR306 (Vincent Drive). This would eliminate the need for a retainer wall and the citizens would not have to deal with the low RR Bridge and could get out of the village in an emergency.

Flemington Borough

Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Winter Storms
2. Thunderstorms
3. Flood

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

None – frequently – borough streets maybe

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?
Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

Snow removal from borough streets and location to dump when severe/heavy accumulation

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

\$1,000.00 labor, fuel, wear and tear on vehicles, etc.

Flemington Borough (cont)

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

N/A

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

N/A

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

?

Greene Township

Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Winter storms
2. Thunderstorms
3. Floods

Hazardous material and garbage hauling on I-80.

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

All 892 homes can be affected; we are too close to I-80

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?

Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

Funds to relieve local fire department for calls on I-80

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes replace destroyed homes, vulnerable to the hazards you identified.

How do you put a price on lives of people?

5. Provide information on impacted roads and bridges that are flooded repeatedly. (depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

Look at I-80 history during winter storms and number of accidents.

Greene Township (cont)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

Several Million!

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

Grugan Township

Clinton County Hazard Mitigation Questionnaire

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1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Winter storms
2. Floods

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

1 business, 25 homes

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?

Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

Become isolated with snow slides on state route 120. Public warning system

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

Unknown

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

Impacted seasonal camps on River Road TR449. Replace bridge at Rattlesnake Run estimate \$500,000.00. Repair TR449 estimated \$40,000.00

Grugan Township(cont)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

N/A

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

1. State Route 120 is state road would like to see if the cuts on 120 could be made larger to hold back the snow.
2. Public warning system

Leidy Township
Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

Thunderstorms/Tornado, Winter storms, Flood

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

All homes/businesses during Thunderstorms/Tornado and Winter Storms
10 during Flood

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?
Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

debris removal from waterways

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

N/A

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

N/A

Leidy Township (cont)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

N/A

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

Remove debris from waterways at Kettle Creek Bridge (island)

Logan Township

Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Winter Storms / Icing
2. Severe Thunderstorms
3. Flooding
4. Amerigas Propane storage facility in Greenburr

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

None are frequently impacted but up to approximately 800 could be involved depending on circumstance.

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?
Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

Public notification could be helpful in most circumstances.

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

No idea of how to estimate this.

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

We have no roads that are repeatedly flooded, only occasional events have occurred with severe conditions i.e. Hurricane Agnes, heavy rains on top of snow several years ago in January.

Logan Township (cont)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

We have no critical facilities located in Logan Twp. with the exception of three community water associations.

6. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

Loganton Borough

Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

Thunderstorms, winter storms, fire

2. How many homes/businesses are frequently impacted by these hazards and what are the locations?

Schrack's Valley Service S. Mill Street (Fuel Storage) – Fire hazard
200 homes, 10 businesses affected by storms (winter), less by summer storms (washing, etc.)

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?
Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

- better storm-sewer system
- stream control at upper part of town
- some kind of public warning system
- waste from I-80, if traffic from I-80 is detoured through town

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

\$150,000

5. Provide information on impacted roads and bridges that are flooded repeatedly. (depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

Road above Sulphur Spring washes and debris comes out on road. A new culvert has been put in above town in last year – we will need to wait and see its impact.

Loganton Borough (cont)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

Sewage plant – fairly safe though in elevations \$1 ½ million
2 schools – good elevation though

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

- Nothing urgent at present
Perhaps:
 1. Better storm sewer system
 2. stream dredging control above town
 3. Public warning system

Dave Schreckengast
Loganton Mayor

Mill Hall Borough
Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Flooding
2. Tornado
3. Winter Storms
4. Thunder Storms

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

Approximately 55% of all homes would be impacted by the 100-year flood.
Approximately 95% to 98% of all businesses would be impacted by the 100-year flood.

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?
Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

1. Flood control structure
2. Flood gauges
3. Public warning (repaint or reconstruct flood gauges)

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

Millions

Mill Hall Borough (cont)

5. Provide information on impacted roads and bridges that are flooded repeatedly. (depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

Intersection of Dewey Street & Pennsylvania Avenue, portion of Kyler Avenue, portion of Beech Creek Avenue, portion of Pennsylvania Avenue, portion of Water Street – near Church Street Bridge, intersection of Peale Avenue & Mann Avenue, lower end of Main Street.

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

Municipal Building & Garage, Fire Station (houses the Senior Center), Sewage Pump Station

Millions

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

1. Stream gauges on Fishing Creek – replace or repainted and calibrated
2. Flood control structure

Noyes Township

Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

5. Floods
6. Tornado/Storms
7. Winter Storms

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

About 200 homes.

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?
Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

4. Debris removal from waterways
5. Control higher ground
6. Storm water runoff

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

200 homes x \$50,000. = \$1,000,000. max

Noyes Township (cont)

5. Provide information on impacted roads and bridges that are flooded repeatedly. (depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

Drury's Run Bridge – est. \$250,000.00

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

N/A

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

1. Road rebuilding
2. Stream cleaning
3. River dredging
4. Storm water management for higher elevations

Pine Creek Township
Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

Flood, Winter Storms, Thunderstorms

2. How many homes/businesses are frequently impacted by these hazards and what are the locations?

40 – 50 South Avis River Floods

20 – 30 homes Sulphur Run and Dutch Hollow Road, Pine Creek Floods

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?
Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

None – not affordable

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

100 – 200 thousand dollars – 1972 estimate

5. Provide information on impacted roads and bridges that are flooded repeatedly. (depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

None repeatedly

Pine Creek Township (cont)

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

None repeatedly

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

nothing, when floods happen, we will need help

Renovo Borough

Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Floods
2. Winter Storms
3. Hazardous Spills (railroad; trucks)
4. Gas Leaks (CNG, Tamarack)

2. How many homes/businesses are frequently impacted by these hazards and what are theft locations?

1. Ontario Avenue: approx. 60 houses; 1 business
2. 14th Street: 16 houses
3. 7th – 15th Streets: 25 house; 1 business
4. Huron Avenue: 10 houses; 4 businesses; 1 church
5. South Renovo Bridge entrance
6. 1 Fire Station
7. Outlying areas: 40 – 60 houses

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?
Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

7. Condemn and tear down the 14th Street row of houses and relocate the residents
8. Condemn and tear down the Ontario Avenue houses from 8th Street – 4th Street and relocate the residents (most of these homes are over 100 years old).
9. Tear down the old Renovo School and the library and relocate the library.
10. Replace current drainage systems in Renovo, East Renovo, and Drury's Run to bring up to current standards.
11. Dredge the river above and along the Renovo banks.

Renovo Borough (cont)

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified).

Between \$2,000,000.00 to \$6,000,000.00

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

1. Build up and improve the secondary road behind the railroad tracks, along the mountain to use as emergency entrance & exit to Renovo.
2. Cost approximately \$700,00.00

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

- Raise the sewage treatment at east end of Renovo.
- Cost (? I can't even fathom\$)

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

1. Condemn and tear down the 14th Street row of houses and relocate the residents
2. Condemn and tear down the Ontario Avenue houses from 8th Street – 4th Street and relocate the residents (most of these homes are over 100 years old).
3. Tear down the old Renovo School and the library and relocate the library.
4. Replace current drainage systems in Renovo, East Renovo, and Drury's Run to bring up to current standards.
5. Dredge the river above and along the Renovo banks.

Jeannette Morton
Renovo Borough
Emerg. Manag. Coord.

Woodward Township

Clinton County Hazard Mitigation Questionnaire

The purpose of this questionnaire is to help us identify what hazards threaten your community and what corrective measures you have taken or would like to take to reduce the effects of the hazard. The steps you would like to take are your Hazard Mitigation Opportunities.

1. Identify the hazards that affect your municipality and prioritize them according to severity.

Example: 1: Thunderstorms/Tornado 2: Flood 3: Winter Storms

1. Thunderstorms
2. Winter Storms
3. Flood

2. How many homes/businesses are frequently impacted by these hazards and what are the locations?

Storms of heavy rain (14)

Snow, the township is in need of better service from the state

Floods – People along the river, with summer property, boats and trailers, which need removed

3. What steps would your municipality like to take to reduce/eliminate the effects of your identified hazards?
Hazard Mitigation Possibilities (Wish List)

Example: debris removal from waterways, construct levies, raise electrical services, public warning system, etc.

12. Heavy rain – runs cleaned out for better flow
13. More state equipment for snow removal
14. High water – better communication between the EOC and the township

4. Estimate the cost to recover from the impact of the identified hazard(s). (For example - How much would it cost to elevate utilities in homes, replace destroyed homes, vulnerable to the hazards you identified.

?? Thousands of dollars

Woodward Township (cont)

5. Provide information on impacted roads and bridges that are flooded repeatedly. (Depth of flooding, undermined or totally destroyed, and how much it would cost to rebuild or replace).

The impact on most of the bridges & roads are state most likely would be \$1,000,000.

6. Provide information on impacted critical facilities (hospitals, sewage treatment plants, water supplies, schools, senior centers, daycare, etc) that are flooded repeatedly, or destroyed by tornado or act of terrorism. (How much it would cost to rebuild or replace).

Sewage lines and water lines would be very expensive
Our large school
There is no way to put price tag on any of the buildings

7. Evaluate and prioritize your Hazard Mitigation Possibilities (Wish List)

1. Have someone clean out the small runs in the township so we can stop the overflow in large rains.
2. Have the state put more people to work to clean up the snow
3. When large rains up river, the township should be notified and people notified of the high water and the effects it may cause

(This should be done at your level).