This appendix provides documentation of public and stakeholder outreach activities conducted as part of this plan update process. Documentation of Steering Committee and municipal planning partnership meetings may be found in Appendix C, "Meeting Documentation".











Citizen Hazard Preparedness Survey

- Hazard Mitigation Plan 2012 Update Introduction
- What is Hazard Mitigation?
 - How does this Plan benefit the Lehigh Valley?
 - . How can I get involved?
 - County Contacts .
 - Pian Update Steering Committee ٠
 - Public Outreach Events and Activities 2006 Hazard Mitigation Plan
- Resources and Links Stakehoider Forms



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LV HMP DRAFT HAZARD PROFILES **Public Review & Comment Period**

DRAFT Drought Hazard Profile DRAFT Earthquake Hazard Profile DRAFT Extreme Temperature Hazard Profile **DRAFT Flood Hazard Profile DRAFT Halistorm Hazard Profile DRAFT Landslide Hazard Profile DRAFT Lightning Hazard Profile DRAFT Radon Exposure Hazard Profile** DRAFT Subsidence-Sinkhole Hazard Profile **DRAFT Wiidfire Hazard Profile DRAFT Wind Hazard Profile**

DRAFT Winter Weather Hazard Profile DRAFT Building Collapse Hazard Profile **DRAFT Dam Failure Hazard Profile** DRAFT Env. Hazards Explosion Hazard Profile **DRAFT Structural Hazard Profile DRAFT Levee Fallure Profile DRAFT Mass Gathering Hazard Profile DRAFT Nuclear Incident Hazard Profile DRAFT Terrorism Hazard Profile DRAFT Transportation Accident Hazard Profile DRAFT Utility Interruption Hazard Profile**

Public comments should be forwarded to Angel Gillette.

Hazard Mitigation Plan 2012 Update - Introduction

The residents of the Lehigh Valley are well aware of their vulnerability to natural hazards such as flooding, severe storms, and severe winter storms. Further, man-made and technological hazards put people and property at risk on a daily basis. Hazard mitigation planning is a step toward addressing these hazards and the effects on County businesses and population and reducing future damages due to hazard events. Residents and businesses benefit from comprehensive hazard mitigation planning by using a sustained proactive approach to reduce or eliminate long term risk to people and property from hazards. By utilizing mitigation planning, communities assess risks and identify actions to reduce their vulnerability and increase sustainability.

Mission Statement:

The Steering Committee is in the process of developing a Mission Statement for this plan update.

A Hazard Mitigation Plan (HMP) is a living document that communities use to reduce their vulnerability to hazards. HMPs form the foundation for a community's long-term strategy to reduce disaster losses and break the cycle of disaster damage, reconstruction, and repeated damage. They create a framework for risk-based decision making to reduce damages to lives, property, and the economy from future disasters.

Further, communities must have an approved HMP to apply for or receive pre-disaster mitigation grant funding. Grant funding is available for projects to mitigate risk to both public and private property. For example projects such as home elevations and local flood mitigation projects are eligible for funding. Ultimately, these actions reduce vulnerability, and communities are able to recover more quickly from disasters.

Lehigh Valley's original HMP was approved by FEMA in April 2007, and may be seen at the 2006 Plan link. By regulation, local HMPs must be formally updated every five years. The update process is an opportunity for Northampton and Lehigh Counties and its municipalities to not only re-examine its vulnerability to natural hazards, it also allows for the identification of man-made hazards which impact vistors and residents of the Lehigh Valley every day.

This large scale planning effort is being accomplished through a collaborative effort between the Northampton County Division of Emergency Management Services, Lehigh County Emergency Services, the Lehigh Valley HMP Steering Committee and Tetra Tech, inc. (Morris Plains, NJ). This planning initiative is expected to continue through Spring 2012. The two counties and in lying municipalities (the "Planning Partnership") have committed to participating in this process, and continue to be eligible for pre-disaster mitigation grant funding.

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What is Hazard Mitigation?

Hazard Mitigation is any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Mitigation measures fall into the following six general categories, and address both public and private property:

Prevention: Measures such as planning and zoning, open space preservation, and development regulations, building codes, storm water management, fire fuel reduction, soil erosion, and sediment control.

Property Protection: Measures such as acquisition, relocation, storm shutters, rebuilding, barriers, flood-proofing, insurance, and structural retrofits for high winds and earthquake hazards.

Public Education and Awareness: Measures such as outreach projects, real estate disclosure, hazard information centers, technical assistance, and school age and adult education programs.

Natural Resource Protection: Measures such as erosion and sediment control, stream corridor protection, vegetative management, and wetlands preservation.

Emergency Services: Measures such as hazard threat recognition, hazard warning systems, emergency response, protection of critical facilities, and health and safety maintenance.

Structural Projects: Measures such as dams, levees, seawalls, bulkheads, revetments, high flow diversions, spillways, buttresses, debris basins, retaining walls, channel modifications, storm sewers, and retrofitted buildings and elevated roadways (seismic protection).

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How does this Plan benefit the Lehigh Valley?

The bi-county hazard mitigation plan assists Northampton and Lehigh Counties with the following:

- An increased understanding of natural and man-made hazards impacting the region
- Assess the risk and vulnerability of people, property, and the environment
 Reduced iong-term impacts and damages to human health and structures and reduced repair costs
 - Development of more sustainable and disaster-resistant communities
- Access to federal mitigation grant funding for eligible projects
- · Proactive mitigation leads to sustainable, more cost-effective projects. By contrast, reactive mitigation tends to lead to the "quick-fix" alternatives; it simply costs too much to address the effects of disasters only after they happen. A surprising amount of damage can be prevented if the region anticipates where and how disasters will occur, and take steps to mitigate those damages.

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How can I get involved in the Plan Update?

Review the 2006 Hazard Mitigation Plan and provide input.

Review the 2012 Pian Update Draft and provide input.

Attend public outreach activities heid during the Plan Update process.

Contact the County Contacts or Municipal Contacts if you are interested in mitigating your residential or commercial property.

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Public Outreach Activities

Stakeholder Workshop

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County Contacts

Angel Gillette, CEM Planning Project Director Hazard Mitigation and Disaster Recovery Manager Northampton County Emergency Management Services 100 Gracedale Avenue Nazareth, PA 18064-9278 <u>aqiilette@ncem-pa.orq</u> Phone: (610) 746-3194, x2230

Tanya Hook County Mitigation Lead Community Outreach Coordinator Lehigh County Emergency Management Agency 640 W. Hamilton Street, 8^{th Floor} Alientown, PA 18101 <u>tanyahook@lehidhcounty.org</u> Phone: (610) 782-4600

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Hazard Mitigation Steering Committee

As the title suggests, the role of the Steering Committee is to provide guidance and direction to the planning effort to ensure the resulting document will be embraced both politically and by the constituency within the planning area. The Steering Committee will provide guidance and leadership, oversee the planning process, and act as the point of contact for all participating communities and the various interest groups in the planning area. The makeup of this committee was selected to provide a cross section of views to enhance the planning effort and to help build support for hazard mitigation.

The Steering Committee that has been selected for this process is as follows:

<u>Name</u>	Affiliation
Angei Giliette, CEM	Northampton County Emergency Management Services
Robert Mateff, ENP	Northampton County Emergency Management Services
Tanya Hook	Lehigh County Emergency Services
Tom Nervine	Lehigh County Emergency Services
Joseph Laky	Northampton County GIS Department
Todd Weaver, ENP	Northampton County Emergency Management Services
Geoff Reese	Lehigh Valley Planning Commission
Susan Rockweil	Lehigh Valley Pianning Commission

Agendas and Minutes

July 7, 2011

December 19, 2011

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Resources and Links

Agencies / Organizations

Northampton County Emergency Management Services:

Lehigh County Emergency Services:

Lehigh Valley Planning Commission:

Northampton County Conservation District

Lehigh County Conservation District

Delaware River Basin Commission

Pennsylvania Emergency Management Agency Hazard Mitigation:

Federal Emergency Management Agency (FEMA) Home Page: www.fema.gov

FEMA Hazard Mitigation Division: www.fema.gov/about/divisions/mitigation/mitigation.shtm

FEMA - Region III: http://www.fema.gov/about/regions/regionili/

Mitigation Planning

FEMA Hazard Mitigation Planning Page: http://www.fema.gov/plan/mltplanning/

Mitigation Planning Guidance Documents: http://www.fema.gov/plan/mitplanning/guidance.shtm#3

Flood Insurance and Grant Programs

 National Flood Insurance Program:
 www.fema.gov/business/nfip/index.shtm

 FEMA Mitigation Grant Programs:
 http://www.fema.gov/government/grant/hma/index.shtm

Regulatory

Hazard Mitigation Planning Laws, Regulations and Guidance: http://www.fema.gov/plan/mitplanning/guidance.shtm

Hazard Information

FEMA Hazard Support: www.fema.gov/hazard/index.shtm

National Weather Service - National: http://www.nws.noaa.gov/

National Weather Service Forecast Office - Philadeiphia/Mt. Holiy: http://www.erh.noaa.gov/er/phi/

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Stakeholder Forms

Capability Assessment Survey Contact and Municipal Information Sheet Evaluation of Identified Hazards and Risk

Commerce Survey

Fire Survey

Hospitals Survey

Law Enforcement Survey

Schools Survey

Utilities Survey

Credit to Delaware County, NY Department of Emergency Services

Lehigh Valley Hazard Mitigation Plan update

ehigh and Northampton counties have initiated an update to the Lehigh Valley Hazard Mitigation Plan, July 2006. The Lehigh Valley is vulnerable to a variety of natural hazards (flooding, tornadoes, severe winter storms) as well as manmade hazards (hazardous material releases, transportation accidents, dam failures) which may threaten life and property. Hazard mitigation planning is a proactive approach of assessing risks and identifying actions or projects to reduce or eliminate the long-term risks from these hazards. A hazard mitigation plan (HMP) forms the foundation for a community's long-term strategy to reduce disaster losses and break the cycle of disaster damage, reconstruction, and repeated damage. Communities must have an HMP approved by the Federal Emergency Management Agency (FEMA) to be eligible for federal funding for hazard mitigation actions or projects identified in the plan. Projects such as elevating structures and acquiring properties are eligible for funding. Ultimately, these actions reduce vulnerability, and communities are able to recover more quickly from disasters.

Lehigh and Northampton counties, and all 62 municipalities within the two counties, previously adopted a HMP for the Lehigh Valley that was approved by FEMA in April 2007. This plan was the first two county venture in the state. The LVPC assisted the Lehigh and Northampton County Emergency Management Agencies (EMAs) in the preparation of the plan. To continue to be eligible for federal funding, the plan must be updated every five years. The update process is an opportunity for Lehigh and Northampton counties and their municipalities to not only re-examine their risks from natural hazards, but to also assess the risks to the region from man-made hazards and to identify actions to reduce or eliminate the risks from these hazards.

The Lehigh and Northampton County EMAs are working with the municipalities to obtain commitments to participate once again in the regional planning process. Meetings were held in each county in late November 2011 to describe the plan update process and begin the municipal participation element. A second meeting will be scheduled in early 2012. A hazard mitigation planning website has been developed to inform and engage the public and other local and regional stakeholders in the planning process (http:// www.nc911.org/html/ hazard mitigation.html). This site includes an online hazards awareness and preparedness survey and will include sections of the Draft Plan as they become available. The public is encouraged to visit the site, take the online survey, review the Draft Plan (when available) and provide input to the planning process. The planning initiative is expected to continue through the spring of 2012.

Funding for the project is provided, in part, from FEMA (75%) through the federal Pre-Disaster Mitigation grant program. The remainder is funded by the counties (25%) through commitment of local staff time.

For more information or any questions on the plan update, please contact Angel Gillette, Northampton County Emergency Management Services (610-746-3194, x2230 or agillette@northamptoncounty.org) or Tanya Hook, Lehigh County Emergency Management Agency (610-782-4600 or tanyahook@lehighcounty. org).

Lehigh Valley Planning Commission meetings — 2012

The following is the schedule of regular monthly meetings and all Committee meetings of the Lehigh Valley Planning Commission. The LVPC Commission and Committee meetings will be held in the Lehigh Valley Planning Commission's Conference Room located at 961 Marcon Boulevard, Suite 310, Allentown.

LVPC (7:00 P.M.)

Thursday, January 26, 2012 Thursday, February 23, 2012 Thursday, March 29, 2012 Thursday, April 26, 2012 Thursday, May 31, 2012 Thursday, June 28, 2012 Thursday, July 26, 2012 Thursday, August 30, 2012 Thursday, September 27, 2012 Thursday, October 25, 2012 Thursday, November 29, 2012 Thursday, December 20, 2012 (11:00 A.M.) Thursday, January 31, 2013

Executive Committee (4:15 pm)

- On the second Wednesday of each month. LVPC Conference Room.

<u>Comprehensive Planning Commit-</u> <u>tee (12:00 Noon)</u> - On the Tuesday immediately preceding LVPC meeting dates above. LVPC Conference Room.

Environment Committee (11:00 am) - On the Tuesday of the Comprehensive Planning Committee meetings. LVPC Conference Room.

Transportation Committee (5:00 pm) - Same night as the LVPC meeting listed above except for *December's meeting at 9:00 a.m.* LVPC Conference Room.



1. Please indicate your age range:

	Response Percent	Response Count
18 to 30	14.6%	7
31 to 40	37.5%	18
41 to 50	22.9%	11
51 to 60	16.7%	8
60 or over	8.3%	4
	answered question	48
	skipped question	0

2. Indicate in which community you live in the Lehigh Valley (Northampton and Lehigh Counties):

	Response Percent	Response Count
Alburtis Borough	0.0%	0
City of Allentown	14.6%	7
Allen Township	2.1%	1
Bangor Borough	0.0%	0
Bath Borough	0.0%	0
City of Bethlehem	14.6%	7
Bethlehem Township	4.2%	2
Bushkill Township	0.0%	0
Catasauqua Borough	4.2%	2
Chapman Borough	0.0%	0
Coopersburg Borough	0.0%	0
Coplay Borough	0.0%	0
East Allen Township	4.2%	2
East Bangor Borough	0.0%	0
City of Easton	2.1%	1
Emmaus Borough	2.1%	1
Forks Township	2.1%	1
Freemansburg Borough	0.0%	0
Fountain Hill Borough	0.0%	0
Glendon Borough	0.0%	0
Hanover Township (Lehigh County)	0.0%	0
Hanover Township (Northampton County)	0.0%	0

Heidelberg Township	2.1%	1
Hellertown Borough	0.0%	0
Lehigh Township	6.3%	3
Lower Macungie Township	0.0%	0
Lower Milford Township	0.0%	0
Lower Mount Bethel Township	0.0%	0
Lower Nazareth Township	0.0%	0
Lower Saucon Township	2.1%	1
Lowhill Township	0.0%	0
Lynn Township	2.1%	1
Macungie Borough	0.0%	0
Moore Township	0.0%	0
Nazareth Borough	0.0%	0
Northampton Borough	2.1%	1
North Catasauqua Borough	0.0%	0
North Whitehall Township	6.3%	3
Palmer Township	0.0%	0
Pen Argyl Borough	0.0%	0
Plainfield Township	6.3%	3
Portland Borough	0.0%	0
Roseto Borough	0.0%	0
Salisbury Township	4.2%	2
Slatington Borough	0.0%	0
South Whitehall Township	2.1%	1
Stockertown Borough	0.0%	0

Tatamy Borough	0.0%	0
Upper Macungie Township	2.1%	1
Upper Milford Township	0.0%	0
Upper Mount Bethel Township	0.0%	0
Upper Nazareth Township	0.0%	0
Upper Saucon Township	0.0%	0
Walnutport Borough	0.0%	0
Washington Township (Lehigh County)	4.2%	2
Washington Township (Northampton County)	0.0%	0
Weisenberg Township	0.0%	0
West Easton Borough	0.0%	0
Whitehall Township	10.4%	5
Williams Borough	0.0%	0
Wilson Borough	0.0%	0
Wind Gap Borough	0.0%	0
	answered question	48
	skipped question	0

3. How long have you lived in the Lehigh Valley? Response Response Percent Count Less than 1 year 0.0% 0 1 to 5 years 16.7% 8 6 to 9 years 8.3% 4 10 to 19 years 8.3% 4 20 years or more 66.7% 32 answered question 48 skipped question 0

4. Do you own or rent your place of residence?

	Response Percent	Response Count
Own	75.0%	36
Rent	25.0%	12
	answered question	48
	skipped question	0

5. What is your zip code?	
	Response Count
	48
answered question	48
skipped question	0

6. What is your home address? (optional, will be kept confidential - only used to identify localized hazard areas such as flooding) Response Count Response 32 Image: Skipped question 16

7. Please rank how prepared you and your household are for the probable impacts of natural hazard events likely to occur within the Lehigh Valley. Rank on a scale of 1 to 5, with 5 representing the most prepared.

	Response Percent	Response Count
1 (least)	10.4%	5
2	14.6%	7
3	41.7%	20
4	29.2%	14
5 (Most)	4.2%	2
	answered question	48
	skipped question	0

8. Why do you think you are prepared for the probable impacts from natural hazard events that may occur within the Lehigh Valley? (Please check all that apply)

	Response Percent	Response Count
Emergency preparedness information from a government source (e.g., federal, state, or local emergency management)	68.2%	30
Locally provided news or other media information	65.9%	29
Schools and other academic institutions	25.0%	11
Attended meetings that have dealt with disaster preparedness	40.9%	18
I have taken precautionary measures to protect my property though retrofits or when constructed.	22.7%	10
Other (please specify)	11.4%	5
	answered question	44
	skipped question	4

9. In the past 10 years, which of the following types of hazard events have you or someone in your household experienced within the Lehigh Valley and how concerned are you about the following natural hazards impacting the area? (In the first column indicate if you have experienced the hazard, then indicate your level of concern).

	Have Experienced	Not Concerned	Somewhat Concerned	Very Concerned	Extremely Concerned	Response Count
Dam Failure	0.0% (0)	97.2% (35)	2.8% (1)	0.0% (0)	0.0% (0)	36
Drought	47.5% (19)	27.5% (11)	50.0% (20)	7.5% (3)	10.0% (4)	40
Earthquake	59.5% (25)	33.3% (14)	42.9% (18)	9.5% (4)	2.4% (1)	42
Epidemic/Pandemic	23.7% (9)	21.1% (8)	55.3% (21)	15.8% (6)	5.3% (2)	38
Extreme Temperatures	48.8% (20)	36.6% (15)	46.3% (19)	2.4% (1)	4.9% (2)	41
Flooding - Property	19.4% (7)	41.7% (15)	38.9% (14)	8.3% (3)	5.6% (2)	36
Flooding - Basement	52.5% (21)	22.5% (9)	47.5% (19)	7.5% (3)	7.5% (3)	40
Flooding - 1st Floor	2.9% (1)	74.3% (26)	20.0% (7)	2.9% (1)	2.9% (1)	35
Flooding - Above 1st Floor	2.9% (1)	74.3% (26)	17.1% (6)	5.7% (2)	2.9% (1)	35
Flooding - Street	37.8% (14)	40.5% (15)	32.4% (12)	8.1% (3)	0.0% (0)	37
Ice Jam	3.0% (1)	72.7% (24)	21.2% (7)	3.0% (1)	0.0% (0)	33
Ice Storm	67.4% (29)	23.3% (10)	39.5% (17)	14.0% (6)	7.0% (3)	43
Infestation	5.9% (2)	55.9% (19)	32.4% (11)	11.8% (4)	0.0% (0)	34
Landslide	0.0% (0)	85.7% (30)	14.3% (5)	0.0% (0)	0.0% (0)	35
Nor-Easters, Tropical Storms	61.4% (27)	34.1% (15)	34.1% (15)	15.9% (7)	4.5% (2)	44
Severe Storms (Wind, Lightning, Tornado, Hail)	70.2% (33)	17.0% (8)	46.8% (22)	19.1% (9)	4.3% (2)	47
Severe Winter Storms (Blizzard, Heavy Snow)	70.2% (33)	19.1% (9)	36.2% (17)	25.5% (12)	6.4% (3)	47
Sinkholes	21.1% (8)	34.2% (13)	28.9% (11)	26.3% (10)	5.3% (2)	38
Utility Failure	52.2% (24)	19.6% (9)	41.3% (19)	21.7% (10)	13.0% (6)	46
Wildfire	2.8% (1)	63.9% (23)	30.6% (11)	0.0% (0)	5.6% (2)	36

Other	7.7% (1)	84.6% (11)	7.7% (1)	7.7% (1)	0.0% (0)	13
				answe	red question	48
				skipp	ped question	0

10. Information on the impacts of and how to prepare for a natural disaster can be disseminated to the public in various ways. Of the information sources below, please identify the top three (3) that would be MOST EFFECTIVE in providing you with information to make your home safer and better able to withstand the impact of natural hazard events.

	Response Percent	Response Count
Newspaper - Express Times	8.5%	4
Newspaper - The Morning Call	34.0%	16
County and/or Local Websites	31.9%	15
Local Government E-Mail	10.6%	5
Police Department	10.6%	5
Telephone Book	2.1%	1
Informational Brochures	14.9%	7
Public Meetings	6.4%	3
Workshops	10.6%	5
Schools	10.6%	5
TV News	55.3%	26
TV Advertising	6.4%	3
Radio News	27.7%	13
Radio Advertisements	10.6%	5
Outdoor Advertisements	10.6%	5
Internet	31.9%	15
Chamber of Commerce	0.0%	0

Fire Department/EMS Agency	14.9%	7
Academic Institutions	0.0%	0
Public Awareness Event	19.1%	9
Books	2.1%	1
Public Library	0.0%	0
Other (please specify)	6.4%	3
	answered question	47
	skipped question	1

11. To the best of your knowledge is your property located in a designated floodplain?

	Response Percent	Response Count
Yes	0.0%	0
No	75.0%	36
Not Sure	25.0%	12
	answered question	48
	skipped question	0

12. Do you have flood insurance?			
		Response Percent	Response Count
Yes		12.5%	6
No		87.5%	42
		answered question	48
		skipped question	0

13. If you do NOT have flood insurance, what is the primary reason?

	Response Percent	Response Count
I don't need it/my property has never flooded	20.5%	8
Don't need it/my house is not in the floodplain	53.8%	21
It is too expensive	5.1%	2
Not familiar with it/don't know about it	12.8%	5
Insurance company will not provide	5.1%	2
My homeowners insurance will cover me	0.0%	0
It is not worth it	2.6%	1
	answered question	39
	skipped question	9

14. Do you or did you have problems getting homeowners/renters insurance due to risks from natural hazards?

	Response Percent	Response Count
Yes	0.0%	0
No	100.0%	46
	answered question	46
	skipped question	2

15. If you answered "yes" to the previous question, please identify the natural hazard risk that caused you to have problems obtaining homeowners/renters insurance.

	Response Count
	0
answered question	0
skipped question	48

16. Did you consider the impact a natural disaster could have on your home before you purchased/moved into your home?

	Response Percent	Response Count
Yes	33.3%	16
No	66.7%	32
	answered question	48
	skipped question	0

17. Was the presence of a natural hazard risk zone (i.e. flood zone) disclosed to you by a real estate agent, seller, or landlord before you purchased/moved into your home?

	Response Percent	Response Count
Yes	13.0%	6
No	87.0%	40
	answered question	46
	skipped question	2

18. Would the disclosure of this type of information influence your decision to purchase/move into a home?

Response Count	Response Percent	
45	95.7%	Yes
2	4.3%	No
47	answered question	
1	skipped question	

19. How much money would you be willing to spend on your current home to retrofit it from the impacts of potential future natural disasters within your community? Examples of retrofitting are: Elevating a flood-prone home; elevating utilities in flood-prone basements; retrofitting your roof, siding or windows to withstand high winds.

	Response Percent	Response Count
\$5,000 or above	6.3%	3
\$2,500 to \$4,999	10.4%	5
\$1,000 to \$2,499	12.5%	6
\$500 to \$999	4.2%	2
\$100 to \$499	2.1%	1
Less than \$100	0.0%	0
Nothing	14.6%	7
Don't know	50.0%	24
	answered question	48
	skipped question	0

20. Which of the following incentives would help to encourage you to spend money to retrofit your home from the possible impacts of natural disasters? (Please check all that apply)

	Response Percent	Response Count
Building permit fee waiver	32.6%	15
Insurance premium discount	63.0%	29
Low interest rate loan	45.7%	21
Property tax break or incentive	71.7%	33
Mortgage discount	43.5%	20
Grant funding that requires a "cost- share"	39.1%	18
None	15.2%	7
Other (please specify)	0.0%	0
	answered question	46
	skipped question	2

21. If your property were located in a designated "high hazard" area, or had received repeated damages from a natural hazard event, would you consider a "buyout", elevation of the structure, or relocation offered by a public agency?

	Response Percent	Response Count
Yes	95.7%	44
No	4.3%	2
	answered question	46
	skipped question	2

22. What types of projects do you believe local, county, state or federal government agencies should be doing in order to reduce the damage and disruption of natural hazards in the Lehigh Valley? Rate these by importance on a scale of H (high), M (medium), or L (low):

	н	М	L	Response Count
Retrofit and strengthen essential facilities such as police, schools, hospitals	64.6% (31)	31.3% (15)	4.2% (2)	48
Retrofit infrastructure, such as elevating roadways and improving drainage systems	70.8% (34)	22.9% (11)	6.3% (3)	48
Work on improving the damage resistance of utilities (electricity, communications, etc.)	75.0% (36)	20.8% (10)	4.2% (2)	48
Install or improve protective structures, such as floodwalls or levees	47.9% (23)	37.5% (18)	14.6% (7)	48
Replace inadequate or vulnerable bridges and causeways	74.5% (35)	19.1% (9)	6.4% (3)	47
Strengthen codes, ordinances and plans to require higher hazard risk management standards and/or provide greater control over development in high hazard areas	43.8% (21)	41.7% (20)	14.6% (7)	48
Acquire vulnerable properties and maintain as open-space	33.3% (16)	41.7% (20)	25.0% (12)	48
Inform property owners of ways they can mitigate their properties	54.2% (26)	45.8% (22)	0.0% (0)	48
Provide better information about hazard risks and high-hazard areas	47.9% (23)	47.9% (23)	4.2% (2)	48
Assist vulnerable property owners with securing funding to mitigate their properties	48.9% (23)	42.6% (20)	8.5% (4)	47
			Other (please specify)	0
			answered question	48

0

23. Other Comments:	
	Response Count
	0
answered question	0
skipped question	48

Page 2, Q6. What is your home address? (optional, will be kept confidential - only used to identify localized hazard areas such as flooding)

28	609 Springhouse Road, Apt, Allentown, PA	Mar 29, 2012 10:46 AM
29	347 E 10th St, Northampton, PA	Mar 29, 2012 10:39 AM
30	1626 Arrowwood Drive	Mar 15, 2012 2:00 PM
31	Monocacy Drive	Oct 6, 2011 8:34 AM
32	1127 Sundance Drive, Pen Argyl, PA	Oct 5, 2011 3:08 PM

Page 3, Q8. Why do you think you are prepared for the probable impacts from natural hazard events that may occur within the Lehigh Valley? (Please check all that apply)

1	I work in Emergency Management and Firefighting	Apr 30, 2012 12:53 PM
2	Training from employer	Apr 24, 2012 1:32 PM
3	Member of Lehigh County Citizen Corps, CERT, and safety and preparedness are part of occupation	Apr 13, 2012 2:44 PM
4	first responder for 27 years, ICS 300 & 400 certified	Mar 26, 2012 11:24 AM
5	learning now how to take pre-caution and be prepared.	Oct 6, 2011 8:38 AM

Page 3, Q10. Information on the impacts of and how to prepare for a natural disaster can be disseminated to the public in various ways. Of the information sources below, please identify the top three (3) that would be MOST EFFECTIVE in providing you with information to make your home safer and better able to ...

1	Cell phone weather features	Mar 29, 2012 10:49 AM
2	County	Oct 6, 2011 8:38 AM
3	Text Messages and/or Social Media (i.e. Facebook, Twitter, etc.)	Oct 5, 2011 5:26 PM

Hazard Mitigation:	Any action taken to reduce the loss of life and property by lessening the
	impact of disasters (natural, technological and man-made). It is often
	considered the first of the four phases of emergency management:
	mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to http://www.nc911.org and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects businesses and commercial interests in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

_ __ _ _ _ _ _ _ _ _ _ _

	YES	NO	UNSURE	
Comments:				

2) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards, and thus provides longterm support for your business and commercial needs?



3) Do you think that the utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support your business and commercial needs?

YES NO UNSURE

4) Do you believe that natural hazard risks (e.g. flood zones) are considered when developing or expanding commercial or industrial areas?

	YES	NO	UNSURE
Comments:			

5) Do you believe that business organizations/associations, chambers of commerce, etc., are a valuable resource in helping business owners protect themselves pre-disaster, and /or recover post-disaster?

	YES	NO	UNSURE	
Comments:				

6) Do you believe that businesses are aware and take appropriate advantage of flood insurance and other resources to help them recover from disasters?

	YES	NO	UNSURE
Comments:			

7) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters that may impact your business or commercial interests?

	YES	NO	UNSURE
Comments:			

8) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?



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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects Emergency Medical Service providers in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

<u>Survey</u>

1) Do you think that critical and essential facilities (incl. EMS facilities, hospitals and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES	NO
-----	----

Comments:

2) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



3) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support EMS functions during natural hazard events?

YES NO

4) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for EMS during hazard events?



YES NO

5) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support EMS functions during natural hazard events?



6) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?



7) Do you think that your EMS company works to inform your constituents of how they can better manage their risk to natural hazards?

	YES	NO	
Comments:			

8) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?



9) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?



10) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)



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Background

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects fire departments in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. fire stations, shelters, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?



2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support fire department functions during natural hazard events?

YES NO
4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for fire departments during hazard events?



5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support fire department functions during natural hazard events?



6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?



7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?



10.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?



11.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?



12.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

	YES	NO	
Comments:			

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects hospitals and health care facilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". **If you indicate "No", please tell us why.** Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. **If there are other important issues that you feel are not covered by the survey questions, please let us know.**

Survey

1) Do you think that critical and essential facilities (incl. EMS facilities, hospitals and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

	YES	NO	UNSURE	
Comments:				

2) Do you think that the transportation infrastructure serving your facilities (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



3) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support hospital functions during natural hazard events?

YES NO UNSURE

4) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for hospitals during hazard events?



5) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support hospital functions during natural hazard events?

	YES	NO	UNSURE	
Comments:				

6) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?



7) Do you think that your hospital works to inform your constituents of how they can better manage their risk to natural hazards?

	YES	NO	UNSURE
Comments:			

8) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

	YES	NO	UNSURE
Comments:			

9) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?



10) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

	YES	NO	UNSURE
Comments:			

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects law enforcement in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. jails, police stations, detention centers, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

	YES	NO	UNSURE	
Comments:				

2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support law enforcement functions during natural hazard events?

YES NO UNSURE

Comments:

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for law enforcement during hazard events?

YES NO UNSURE

Comments:

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support law enforcement functions during natural hazard events?

YES NO UNSURE

Comments:			

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

YES	NO	UNSURE	

Comments:		

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

	YES	NO	UNSURE
Comments:			

8.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES NO UNSURE

9.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES NO UNSURE

Comments:

10.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance

YES NO UNSURE

Comments:		

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Purpose

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Directions

Please review and answer the following questions regarding potential mitigation that affects schools and other educational facilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and associated infrastructure are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

	YES	NO	UNSURE	
Comments:				

2) Do you think that the transportation infrastructure serving your facilities (e.g. roads and bridges) are properly designed to withstand closures and/or damage due to natural hazards?



3) Do you think that the utility infrastructure (spec. electricity and communications) is sufficiently disaster-resistant to support school functions during and after natural hazard events?



4) If your facilities are ARC-designated shelters, do you believe they are adequately designed and equipped to support sheltering during and after natural hazard events?

	ILD	110	UNDURL	
Comments:				

YES NO UNSURE

5) Do you think that weather forecasts and announcements of road closures and pending road closures are sufficiently accurate and available to support school operation and student transportation decisions in the event of natural hazard events?

	YES	NO	UNSURE	
Comments:				

6) Do you believe that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

	YES	NO	UNSURE
Comments:			

7) Do you believe that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

	YES	NO	UNSURE	
Comments:				

8) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

	YES	NO	UNSURE
Comments:			

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects utilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and infrastructure are disaster-resistant (e.g. are properly located, constructed, and protected from damage from natural hazards)?

	YES	NO	UNSURE	
Comments:				

2) Do you believe that your facilities and infrastructure have sufficient redundancy and/or are sufficiently networked to provide a minimal level of service to your customers (esp. critical and essential services such as police, fire, hospitals) in the event that you suffer damage/loss to your equipment?



3) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as to reduce their reliance on your services during hazard events?

	YES	NO	UNSURE	
Comments:				

4) Do you think that announcements of utility outages and service restoration schedules are sufficiently accurate and available to support the needs of emergency management, as well as owners/operators of critical and essential facilities?

	YES	NO	UNSURE
Comments:			

5) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

	YES	NO	UNSURE	
Comments:				

6) Do you think that vegetation management programs (e.g. tree trimming and removal) are sufficient to manage the risk of utility outages during natural hazard events?

	YES	NO	UNSURE
Comments:			

7) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?



8) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

	YES	NO	UNSURE
Comments:			

9) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

	YES	NO	UNSURE	
Comments:				

Lehigh Valley Hazard Mitigation Plan Update: Survey for County Emergency Medical Service Providers

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Purpose

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Directions

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Survey

1) Do you think that critical and essential facilities (incl. EMS facilities, hospitals and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES 🗆 NO 🗹

Comments:

Several Abblic safety buildings that Fam aware of 00 not have backup power. With regards to hospitals and medical centers, I believe that they are sufficiently prepared. 2) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



3) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support EMS functions during natural hazard events?

$YES \Box NO \bowtie$

Electricity as a whole is a known nation wide infrastancture as the this area there is no exception. Puring wind, rain, snow, ice and other inclement weather patterns have caused widespread failure

to take place, other communications are available as call.

4) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for EMS during hazard events?



5) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support EMS functions during natural hazard events?

Comments:		

6) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?



7) Do you think that your EMS company works to inform your constituents of how they can better manage their risk to natural hazards?

YES \Box NO \checkmark

Comments:

This is one of the areas that has been worked of in the past year, but we are not enter there.

8) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?



9) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES D NO

Comments: I don't believe this is present every where. This is another area that has been worked on and continues to be addressed in light of recent weather related emergences

10) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

YES \Box NO \checkmark

Comments: Not that I am aware of when I asked.

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Purpose

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Directions

Please review and answer the following questions regarding potential mitigation that affects businesses and commercial interests in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

$\mathbf{YES} \ \Box \quad \mathbf{NO} \ \Box \quad \mathbf{UNSURE} \ \boxtimes$

Not enoygh generator power **Comments:**

2) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards, and thus provides longterm support for your business and commercial needs?

YES 🗆 NO 🛛 UNSURE 🗆 **Comments:** transportation is good, he roads especially bridges are in tad shape

3) Do you think that the utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support your business and commercial needs?

 $\mathbf{YES} \ \Box \quad \mathbf{NO} \ \Box \quad \mathbf{UNSURE} \ \boxtimes$

tages. I would say some the problems are their tages. 9. the pro

4) Do you believe that natural hazard risks (e.g. flood zones) are considered when developing or expanding commercial or industrial areas?



5) Do you believe that business organizations/associations, chambers of commerce, etc., are a valuable resource in helping business owners protect themselves pre-disaster, and /or recover post-disaster?

 $\mathbf{YES} \boxdot \mathbf{NO} \Box \quad \mathbf{UNSURE} \ \Box$ yes, if trained properly **Comments:**

6) Do you believe that businesses are aware and take appropriate advantage of flood insurance and other resources to help them recover from disasters?

 $YES \square NO \boxtimes UNSURE \square$ **Comments:** 9-think cost, and mot having any kistory of flood planes.

7) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters that may impact your business or commercial interests?

YES MO DUNSURE D

Comments: they have proven this or many occasions. o tax exposions, thaim derailment has mat, et c

8) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

Comments: I don't think local leg understand. do, but æt 90 levels 0 1 C

$YES \Box \quad NO \Box \quad UNSURE \ \Box$

Hazard Mitigation: any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from hazards (floods, severe storms, wildfires, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to http://www.nc911.org and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects fire departments in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. fire stations, shelters, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?


2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support fire department functions during natural hazard events?

YES	NO	

Comments:		

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for fire departments during hazard events?

	YES 🗆	NO \Box
Comments:		

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support fire department functions during natural hazard events?

	YES 🗆	NO \Box
Comments:		

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?



7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?



10.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

	YES \square	NO \Box
Comments:		

11.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?



12.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

	YES 🗆	NO \square
Comments:		

EASTON MAA SCHOOL DISTRICT

Lehigh Valley Hazard Mitigation Plan Update: Survey for School Districts and Higher Education

Hazard Mitigation:	Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often
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Background

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects schools and other educational facilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and associated infrastructure are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

	YES	NO	UNSURE	
Comments:				

2) Do you think that the transportation infrastructure serving your facilities (e.g. roads and bridges) are properly designed to withstand closures and/or damage due to natural hazards?

	YES	NO UNSURE	
Comments:			

3) Do you think that the utility infrastructure (spec. electricity and communications) is sufficiently disaster-resistant to support school functions during and after natural hazard events?

YES NO **UNSURE**

4) If your facilities are ARC-designated shelters, do you believe they are adequately designed and equipped to support sheltering during and after natural hazard events?

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 \mathcal{X}

	(YES)	NO	UNSURE	
Comments:				

5) Do you think that weather forecasts and announcements of road closures and pending road closures are sufficiently accurate and available to support school operation and student transportation decisions in the event of natural hazard events?

VEC

	(YES)	NO	UNSURE	
Comments:				

6) Do you believe that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

	YES	NO	UNSURE	
Comments:				

7) Do you believe that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

	YES	NO	UNSURE	
Comments:				

8) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

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	YES	NO	UNSURE	
Comments:		1194		

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Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh County Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects hospitals and health care facilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you think that critical and essential facilities (incl. EMS facilities, hospitals and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?



2) Do you think that the transportation infrastructure serving your facilities (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



3) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support hospital functions during natural hazard events?

 $\mathbf{YES} \square \mathbf{NO} \square \mathbf{UNSURE} \square$



4) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for hospitals during hazard events?



5) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support hospital functions during natural hazard events?

	YES 🗆	NO 🗆	UNSURE	X	
Comments:					
					~
,					-
				 .	

6) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?



7) Do you think that your hospital works to inform your constituents of how they can better manage their risk to natural hazards?

YES NO UNSURE S: J think they could do more though **Comments:**

8) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?



9) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

 $\mathbf{YES} \ \Box \quad \mathbf{NO} \boxtimes \mathbf{UNSURE} \ \Box$ With hudget nestruction monues are harder to get **Comments:**

10) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

$YES \not \!\! R NO \Box UNSURE \Box$

Comments:		

Lehigh Valley Hazards Mitigation Plan Update: Survey for County Firefighters

Hazard Mitigation:	any action taken to reduce the loss of life and property by lessening the
_	impact of disasters (natural, technological and man-made). It is often
	considered the first of the four phases of emergency management:
	mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from hazards (floods, severe storms, wildfires, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects fire departments in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. fire stations, shelters, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES 🗆 NO 🔯

CURRENTLY THE FIRE STATIONS WITHIN CATASAUGUA HAVE ALL SEEN 1) ENTIFIED WITH CRITICAL ON STRUCTURAL DEFICIENCIES ON A NORMAL EVENT DAY SASIS. MANY OF THE FALLIFIES WERE BUILT AROUND 1960. NO FIRE STATIONS HAVE BACK UP POWER. THE EOC AND POWLE STATION DO NOT HAVE BACK UP POWER. OUR SELIEF IS THAT THESE FACILITIES WOULD EXPERIENCE GREAT DIFFICUTIES WOOR DISASTER EMPIRIES PLANS HAVE SEEN IN THE WORKS FOR YOURD. 2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?

YES 🗆 NO 🕅

Comments: MORT OF THE BRIDGES IN CATASAUGUA OVEN THE LEHIGH RINER HAVE BEEN IDENTIFIED AS DEFICIENT. AT LEAST ONE LEHIGH RIVER CRUISING WILL BE CLUSED AS ANY GIVEN TIME THROUGH 2016 FON REPAIR OR TO RECONSTRUCT THE BRIDGES. AND DUNNE A RECENT FLOCDING EVENT, 4 OUT OF 5 CATASAUGUA CREEK BRIDGES WERE CLUSED DUE TO FLOODING. THE CATAGOUGUA CREEK BRIDGES HAS I AND 3600 IDENTIFIED AS DEFICIENT AT RACEST.

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support fire department functions during natural hazard events?

 $YES \square NO [X]$

Comments:

DUG TO FAILUNG ON THE ELECTRIC DISTRIBUTION SYSTEM OUTBGET AUGUS HADS EXPENSENCED MULTI-HOUN DUTBGET AUGU CANGE AGAING MEET AND EXPENSION IN CATA SAUGUS THREATENING ELECTRK DISTRIBUTION AND TELEPHONE WINES. UUTBGET HAVE BEEN CAUSED BY ICE STORMS, HEAVY SNEWFALL AND HIGH WINDS. 4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for fire departments during hazard events?

YES 🖉 NO 🗆

Comments: THE CATAJAUQUA FIRE DEAT. CONDUCTS ANNUAL MAE PREVENTION THE CATAJAUQUA FIRE DEAT. CONDUCTS ANNUAL MAE OTHER ACTIVITIES IN OUR SCHOUL. IN ADDITION SCHOOLS AND OTHER ORGANIZATION REQUEITS AND ACCOMEDATED WHEN POISIBLE. IN ADDITION IN COOPERATION WITH OUR EMERICAN MAUAGEMENT Absonce A PREPARENELL FORM IS HELD EVENT FEW TEAM. THESE EVENTS HAVE BEEN WELL ATTENDED BUT HANS NOT BEEN MORE FREQUENT DUS TO COST AND AVAILABILITY OF MAUROWER. ALTHOUGH NOT ABLE TO GALE THEM IMPACTS THESE PAST EVENTS HAVE BEEN WELL RECEIVED AND WELL ATTENDED. THE PREPARENESS FAIR HAS BEEN USED AS A DENCH MARK IN OUR AREA BY LARGER MOUNCIPALITIES. IN ADDITION, THROUGH ON EMA WE HAVE INCREPSIED THE US OF THEIR WERSTIFF, AND SOCIAL MEDIA INCLUDING FACE BEENK, TWITTER TUMBLE AND MILLES.

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support fire department functions during natural hazard events?

YES X NO 🗆

Comments: I BELIEVE WE HAVE GOTTEN BETTER WITH ROAD CLOSURES. AGAIN WE HAVE NO REAL WAT TO ASSESS THE IMPACT. OF ONR EFFORTS. THROUGH OUR SOLIAL MEDIA EFFORTS DE THE CATAGONQUES POLICE, FIRE AND EMA WE HAVE BELOW USING OUR SUCODE MEDIA TO MAKE THESE ANNOUNCEMENTS. IN FACT DURING THE RECENT PINEST. BRIDGE CLOSURE OUR SOCIAL MEDIA HITS ROSE BY A

6102641311

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?

YES 🗆 NO 🕅

Comments: I DONT JELIEVE THE PUGLIC HAI GOTTEN TO WHERE WE I DONT JELIEVE THE PUGLIC HAI GOTTEN TO WHERE WE NEED THEM IN THIS EFFORT, WE EMPLOY A SIRENSYSTEM, SUCAL MEDIA, NIXLS MEISPENC. MB A REVERSE 911 THROUGH THE JONOUGH WATER DEPT. ALTHOUGH WE CAN REACH A COURCE OF HUNDAED PEOPLE THROUGH THIS MESSAGINE, I DONS BEDEVE WE HUNDAED PEOPLE THROUGH THIS MESSAGINE, I DONS BEDEVE WE HAVE REACHED THE SEVERAL THOUGHN WE NEED. DURING A RECENT BUIL WATER EVENT WE DID GET SUME LIMITED POSITIVE FEED JACK BUT WE HAVE A WAYS TO GO HERE ALSO DURING THIS EVENT WE EMPLOYED THE OSE OF DOOR TO DEOR FLYERS. SINCE WE HAVE ALSO IMPLEMENTED A SYSTEM OF MOUNT DISTRIBUTION OF WEAMMATION USING NEWSPAPER VENDING BUXES.

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

YES 🕅 NO 🗆

Comments: I GELIEVE THROUGH ON EMA WEBJITE, SOUAL MEDIA AND OTHER MECHANISMS WE HAVE MADE HEAD WAY BUT MUCH WALK WEEDJ TO BE DONE TO INCREASE OUR ERFANTS TO WHERE THEY SHOUD BE LIKE THE PREPARED NESS FAIR OUR EFFORTS ARE LIMITED BY COST AND AVAILABLE MANDOWER AND THE DEMANDS ON OUR TIME BY OTHER PRESSING CONCERNS

p.1

6102641311

10.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES 🗆 NO 🖄

Comments: OUGN THE LAST FEW YEARS WE HAVE MADE GREAT STRIDE, IN MOVING FORWARD, FURTHER ATTEMPTS TO GET TO WARDER WE NEED TO JE ALE HAMPERED BY TIME AND MONEY. WE ARE WA MUCH SETTER POSITION THAN WE WELE FEARS AGO BUT I ENVISION A SETTER SITURTION MOVING FORWARD I SELIEVE WE CAN HAVELE REASONAGEN SCALED DISATERS IND EPENDENT OUT OUTSIDE HELP BUT LARE SCALE DISATERS SUCH AS TOTAL ELACOATTONS ON COMPLETE DEVASTATION ARE BETOND OUT MEANS AND WOULD TAX OUT GREATS STRIDES WE HAVE MADE TO DATE IN ADDITION THE FIRE DEAT. MERATES MITH & FROM TONE PIECES OF APPARATUS IS TEAMS CLODED TO TOTATED FOR THE MITH & FROM TONE PIECES OF BACKUP POWER.

11.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES NO 🛛

Comments:

I BELIEVE LOCAL GOVERNMENT UNDERSTANDS HAZARD MITIGATION BUT LACKS THE MONEY TO ACCOMPLISH THESE Genes, we Have A WISH LIST IDENTIFIED BUT LACK THE FUNDS TO IMPLEMENT IT. WE HAVE HAD NO LUCK OBTAINING GRANTS TO FURTHER ACCOMPLISH OWN MISSION. 12.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

YES 🗆 NO 🐼



Lehigh Carbon Community College, Schnecksville, PA 18078

Lehigh Valley Hazard Mitigation Plan Update: Survey for School Districts and Higher Education

Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

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Purpose

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Directions

Please review and answer the following questions regarding potential mitigation that affects schools and other educational facilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and associated infrastructure are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES 🛛 NO 🗆 UNSURE 🗆

Comments:

The buildings are all concrete and steel with a back-up generator for each of the major buildings.

2) Do you think that the transportation infrastructure serving your facilities (e.g. roads and bridges) are properly designed to withstand closures and/or damage due to natural hazards?

$YES \Box \quad NO \Box \quad UNSURE \blacksquare$

Comments:

We only have limited access to the facility. Route 309 and Sand Spring/Orchard Road. If something would prevent a means of access or egress on either route, that would cut access to the facility in half.

3) Do you think that the utility infrastructure (spec. electricity and communications) is sufficiently disaster-resistant to support school functions during and after natural hazard events?

YES IN NO I UNSURE E

As stated previously, each of the major buildings has a generator. Communications are adequate with Ironton Phone Company the supplier of the land-lines, we have cellular phones, and two-way radios to communicate with other college personnel.

The only problem would be two-way radio communication with Lehigh County or any other responding agency. 4) If your facilities are ARC-designated shelters, do you believe they are adequately designed and equipped to support sheltering during and after natural hazard events?

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YES I N	VO		UNS	URE	
---------	-----------	--	-----	-----	--

C	omm	ents:										
	Are	gymnasium	is.	It	was	used	for	the	hepatitis	innoculations	in	1991.

5) Do you think that weather forecasts and announcements of road closures and pending road closures are sufficiently accurate and available to support school operation and student transportation decisions in the event of natural hazard events?

an ta tha an	YES 🕱	NO \Box UNSURE \Box	
Comments:			

6) Do you believe that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES \square NO \square UNSURE \square

Comments:
Schnecksville Fire Department is well equipped, and they conduct periodic periodic tours of the campus to familarize themslves with the layout.
The college has an Emergency Response Plan in place.

7) Do you believe that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES \square NO \square UNSURE \square

Comments:

North Whitehall is very good in this regard, and the county is excellent.

8) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency functions, while COG activities support the continuance of agency governance.)

YES \Box NO \Box UNSURE \blacksquare

Comments:

I would hope so, but I am unsure.

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Hazard Mitigation:	Any action taken to reduce the loss of life and property by lessening the
	impact of disasters (natural, technological and man-made). It is often
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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects law enforcement in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. jails, police stations, detention centers, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES NO UNSURE

Comments:

The facility was constructed in 2001 and includes a back-up generator.

There have been no flooding issues to date - a large detention pond was constructed adjacent to the PD for mitigation.

2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



Comments:

Although it is clear that never will all adhere to advice.

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support law enforcement functions during natural hazard events?

NO (UNSURE YES

Comments:

A more rapid, centralized location (website) as well as notification through silent dispatch directly to police patrol is needed.

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?



NO UNSURE

UNSURE

Comments:

A limited portion of population. County should have information as to percentage of population that does.

Older population more likely to not take advantage of these systems.

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

YES NO

Comments:

Provide informative newsletter and website.

8.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES NO UNSURE

Comments:

Preparations can always be made, but a natural disaster will overburden everything.

In the past, major flooding events have prevented patrol vehicles from reaching portions of the eastern part of the Township.

Must continue to work to improve – ongoing.

9.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES NO UNSURE

Comments:

But must continue to work to maintain and improve.

10.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance

	YES	NO UNSURE	
Comments:			
		• • •	

Allentown

Muhlenberg Gollege

Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects schools and other educational facilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and associated infrastructure are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES \bowtie NO \square UNSURE \square

comments: While we have not experienced direct natural hazards to facilities, we believe our infrastructure is properly located and constructed. We continue to review our ability to provide back-up power to all facilities for an extended period of time. The type of disastr would be a factor in this as well.

2) Do you think that the transportation infrastructure serving your facilities (e.g. roads and bridges) are properly designed to withstand closures and/or damage due to natural hazards?



3) Do you think that the utility infrastructure (spec. electricity and communications) is sufficiently disaster-resistant to support school functions during and after natural hazard events?

YES \Box NO \Box UNSURE 云

This remains an unknown due to these specific infrastructures being located above ground. We have experienced long power outages in facilities not covered by back-up power which resulted in an impact to operations to accommodate these without power over long periods of time (over 12 hours and/or days). The type of disaster would be a factor in this as well. 4) If your facilities are ARC-designated shelters, do you believe they are adequately designed and equipped to support sheltering during and after natural hazard events?

$YES \square NO \square UNSURE \bowtie$

Comments: While our facilities are not ARC-designated, we feel that we do have facilities that are adequately designed to support sheltering during and after natural hazard events for our facility and could possibly be used for outside sheltering as well. One issue could be having adequate resources to support sleeping arrangements

5) Do you think that weather forecasts and announcements of road closures and pending road closures are sufficiently accurate and available to support school operation and student transportation decisions in the event of natural hazard events?

$YES \boxtimes NO \square UNSURE \square$

Comments: Weather forecasts and announaments are provided to us Via news media as well as Allentown Police when critical issues arise. On occasions information on road closing and openings are delayed and thus can be inaccurate. Notice of road closures for maintenance and repair or special events are not always well **Comments:** publicized.

6) Do you believe that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES 🗆 NO 🗆 UNSURE 🕱 **Comments:** comments: while we are aware of training and planning done on a large scale by local and county level agencies for various disasters, it is unknown whether there are adequate resources (personnel and equipment) on the city and county level to manage and respond properly to a natural disaster in the community. If would be dependent on the size of the disaster.

7) Do you believe that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

 $YES \Box NO \Box UNSURE \land$

Comments: While local government understands and supports efforts for risk reduction to natural hazards, it is unknown with budget constraints whether they possess the resources necessary to assist in risk reduction efforts in the community.
8) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

$YES \Box \quad NO \boxtimes UNSURE \Box$

Comments: Comments: Our facility has an emergency operations plan which helps to respond and evaluate the needs in a variety of situations in order to maintain a level of functionality for most situations. This plan also provides for a frame work of how our facility would operate in the event some personnel are unavailable during a given situation

NC - HONOVER TWP,

Lehigh Valley Hazards Mitigation Plan Update: Survey for County Firefighters

Hazard Mitigation:	any action taken to reduce the loss of life and property by lessening the
	impact of disasters (natural, technological and man-made). It is often
	considered the first of the four phases of emergency management:
	mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from hazards (floods, severe storms, wildfires, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects fire departments in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. fire stations, shelters, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?



2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support fire department functions during natural hazard events?

NO YES

Comments:

I do not think that the utility infrastructure is disaster-resistant because we have had issues with power loss during storms that weren't exactly "disaster strength." Also our communication systems have no back-up plan. If we were to lose the ability to use our mobile, base, and portable radios to talk to the communication center, we would not know what emergency calls are pending and where the emergencies are located. I think there should be a two way communication ability between field units and the 911 center via the internet to be able to exchange information (e.g. call locations, field unit status). Using cell and landline phones would clog up the phone queue, prohibiting the 911 center to answer priority 911 incidents. It would also cause more stress on the already taxed 911 operator. Not only would the internet give us a second means of communication, but it would also free up some of the radio traffic for companies operation at a priority incident. 4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for fire departments during hazard events?

YES NO

Comments:

I do not know of any *local* public education or awareness program that is in place. The general public needs to be educated about **when to call** for assistance and **when not to call**. They also need to be provided the correct non-emergency numbers for police/fire/EMS. I believe it would also be helpful to advise the residents that response times during a large scale natural disaster will be prolonged due to high call volume and low staffing. Our resources most likely will become exhausted very rapidly and at times will rely on a first come first serve basis. Most of the public knows to stock pile food and drink if there is a chance of a bad storm. What they regret to take inventory of is batteries for am/fm radios, and flashlights. There also aren't many residents that have generators to assist them in the event of a loss of power. Residents need to be aware that resources are available however it may take time to get the resources to the consumer.

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support fire department functions during natural hazard events?



Comments:

No, as it stands, road closures are only tracked through Knowledge Center and memory of the 911 dispatchers (who do not have access to knowledge center). Then it relies of the dispatcher to notify each responding unit of the road closures.

My suggestion to the problem would be for the 911 center to track road closures through the InterAct GIS mapping system. Roads that are closed would flash on the screen to signify that the road is not crossable. It would be extremely convenient if that same map was accessible on each responding unit. The technology is available, it a matter of using it to its potential and giving access to the people who need access. 6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?

YES NO

Comments:

The Notify Northampton County program is an untapped resource. The general public does not know that the program even exits. Those that do know about the program and are enrolled do not know how to utilize it to get the information they need. The program can be confusing at times, perhaps we can work to simplify it and make it more user friendly. It has the capability to be very effective.

Reverse 911 is becoming a technology of the past. Reverse 911 has two flaws, it can only notify residents that have a land based telephone, and then that individual resident needs to be home to receive the message. More and more people are doing away with land based telephones and strictly using cell service which will eventually make reverse 911 obsolete.

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

YES NO

Comments:

No. Us as volunteers already donate a lot of time to training, community events, fire prevention, and operating at emergency scenes. I think the responsibility of informing the public should be done by another party that has more knowledge of what actually occurs during a natural disaster. These same people would then have the ability to answer and questions that may arise. 10.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES	NO	
Comments:		
However those same re timely manner.	sources may	not be available to the consumer in a

11.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?



12.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

YES NO

Comments:
I don't know what COOP or COG are.

MANDIAN TWO NC

Lehigh Valley Hazard Mitigation Plan Update: Survey for County Emergency Medical Service Providers

Hazard Mitigation:	Any action taken to reduce the loss of life and property by lessening the
	impact of disasters (natural, technological and man-made). It is often
	considered the first of the four phases of emergency management:
	mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects Emergency Medical Service providers in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you think that critical and essential facilities (incl. EMS facilities, hospitals and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?



Comments:

2) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



3) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support EMS functions during natural hazard events?

YES NO

Comment: I believe our radio communications would be difficult during a large scale event. Currently when the dispatch center is busy on a normal day radio communication is difficult due to large amount of radio traffic. Is there a backup plan for communicating among agencies with one person reporting back to the county 911 center updates? Perhaps in a disaster type situation the stations could be manned with a station appointed dispatch person who would receive the faxed rip and run from the county and then notify to crews as to what location they are needed next. I do not know if this would affect workers' comp without an official dispatch. Although I am not sure how this communication would work effectively if cell towers would go down. 4) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for EMS during hazard events?

YES NO

Comments: I do not believe the residents are e

I do not believe the residents are educated as to what to do, where to go, who to call and when to call for assistance in the event of a disaster.

They should be educated before a disaster occurs that resources become very taxed during a large scale event and they should only call if necessary with the understanding response time may be long. Also, if it is unsafe for the crews to response they will be kept at station until safe for them to respond. Through education to the public as to staying off the roads, away from running water, seek shelter, stock up on food, water and batteries for flashlights. Do not use candles due to fire hazard.

5) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support EMS functions during natural hazard events?

YES NO

Comments:

Again, as stated above radio communications are difficult during a disaster so I do not feel information regarding road closures and hazards will be able to be communicated to EMS crews responding. 6) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?

YES NO

Comments: I do not believe our residents are aware of the tools available (such as stated above) to them which would help notify them of an emergency, keep them informed as updates occur throughout the emergency and tell them where they can go for assistance during the emergency. Also, I do not believe they are aware of who to contact after an emergency disaster situation for financial assistance.

7) Do you think that your EMS company works to inform your constituents of how they can better manage their risk to natural hazards?



8) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

-	YES	NO	
Comments:			8-18-19-19-19-19-19-19-19-19-19-19-19-19-19-
je 1			

9) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

	YES	NO		
Comments:				

10) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)



Lehigh Valley Hazard Mitigation Plan Update Survey for Law Enforcement

Hazard Mitigation:	Any action taken to reduce the loss of life and property by lessening the		
	impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management:		
	mitigation, preparedness, response, and recovery.		

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects law enforcement in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. jails, police stations, detention centers, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES NO UNSURE

Comments: The Colonial Regional Police Headquarters was a renovated State Farm Insurance Claims Center. It is a one story structure with no basement. It is my understanding the structure was constructed to withstand hurricane conditions. It is equipped with an emergency generator. The facility is equipped to house on duty officers if necessary. I can offer no information on any of the other facilities. 2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?



Comments: I do not believe that the local bridges over the Monocracy Creek could withstand high water containing debris.

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support law enforcement functions during natural hazard events?

	YES	NO	(UNSURE)	
Comments:				
а 2				

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for law enforcement during hazard events?

YES (NO) UNSURE

Comments:

There is a limited audience if notification is done in the school system. A community reverse 911 would be more effective in an immediate need for notation.

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support law enforcement functions during natural hazard events?

YES (NO) UNSURE

Comments:

Public announcements on the radio and television are often not timely Information.

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?



Comments:

I believe the public is aware however assumes nothing of a catastrophic Nature could occur in our community.

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

YES (NO) UNSURE

Comments:

More public education is needed.

8.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

(YES) NO UNSURE

Comments:		

9.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

(YES) NO UNSURE

Comments:

10.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance

(YES) NO UNSURE

Comments:	

Hazard Mitigation:	Any action taken to reduce the loss of life and property by lessening the
	impact of disasters (natural, technological and man-made). It is often
	considered the first of the four phases of emergency management:
	mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to http://www.nc911.org and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects law enforcement in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. jails, police stations, detention centers, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

$YES \Box \quad NO \bowtie UNSURE \Box$

Comments:

Our police station is relatively new, fairly wellconstructed, and centrally located. We have the ability to connect a generator to a portion of our our station's electric but it would be insufficient to even do the most basic of police functions. 2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?

$YES \square NO \square UNSURE \square$

Comments: The roads are in pretty good shape. There are many creeks and streams running uder some low , old bridges that could cause a problem. Detours might have to be made but overall, it could be dealt with. One of our main roads is near a river.

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support law enforcement functions during natural hazard events?

 $YES \square NO \square UNSURE \square$

Comments:

There is an electric substation in our area and occasional ly outages have knocked out power to most of our traffic signals. This requires time and manpower to deal with when it could be better spent elsewhere.

Communications can sometimes be an issue when our main channel with the communication center goes dpwn as our geographic location does not permit communication on the back up channel.

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for law enforcement during hazard events?

$YES \boxtimes NO \square UNSURE \square$

Comments:

The public seems to call only for issues that need attention, indicating the programs are working.

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support law enforcement functions during natural hazard events?

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YES \boxtimes NO \square UNSURE \square
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Comments:	

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

 $YES \square NO x UNSURE \square$

Comments:

I do not believe there has been enough publicity about the services available and how to get them.

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

 $YES \square NO \square UNSURE \blacksquare$

Comments:

Proba bly not enough infornmation disseminated before the fact, only onee it's occurring.

8.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

 $YES \boxtimes NO \square UNSURE \square$

Comments:			

9.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

 $YES \boxtimes NO \square UNSURE \square$

Comments:

10.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance

YES \Box NO \Box UNSURE \mathbf{x}

Comments:	

Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects businesses and commercial interests in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES D NO UNSURE

Comments:

THE TUWASHIP MUNICIPAL BUILDING IS LOCATED & THE TUWASHIP MUNICIPAL BUILDING IS LOCATED & THE FLOOD PLANE. IT IS PROPERLY CONSTRUCTION BUT THERE IS NO GENERATOR IN THE ELENT POLITIC IS LOST. YES AS FAR AS CONSTRUCTION NO AS FAL AS POLICE PACK- OP

2) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards, and thus provides longterm support for your business and commercial needs?

YES \Box NO \checkmark UNSURE \Box Comments: THE ROADS OUT CREEKS IN THE TUP BUTTLE TUP AND PERA-DOT ROADS CONSTRUCTLY FLOOD OUT WINED HEAVY RAIDS OCCUR.

3) Do you think that the utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support your business and commercial needs?

YES \Box NO \square UNSURE \Box

THE ABILITY OF THE UTILITY PROVIDERS TO KNOW WHAT BUSTRESS AFRE CRITICAL TO THE CONDUCTY ITE GUERAMENT & CRITICAL CARE CHRISTING WOULD HELP IN THES OF FENTALELACIES

4) Do you believe that natural hazard risks (e.g. flood zones) are considered when developing or expanding commercial or industrial areas?

$YES \square NO \square UNSURE \square$

Comments:
OLA FLOOPPLAN ORDINALCE PROIDIBITS AM
BUILONE LA BOTH THE IDS + 500 YFAR
FLOID PEAIL

5) Do you believe that business organizations/associations, chambers of commerce, etc., are a valuable resource in helping business owners protect themselves pre-disaster, and /or recover post-disaster?

YES X NO 🗆 UNSURE 🗆

Comments: THESE ORGANIZATIONS NEWS TO HALK A PLAN IN PLACE IN GASE OF A DISPERSE FREN HITS THE AREA.

6) Do you believe that businesses are aware and take appropriate advantage of flood insurance and other resources to help them recover from disasters?

YES 🐼 NO 🗆 UNSURE 🗆 **Comments:** MOST BISINESS THAT ARE DEATED IN THE FROD PRAIN HAVE ALL AMANE OF WHAT THERE RESPONSIBILITIES ARE IN ORDER FOR THEN TO RECOLD FROM A DISASTER.

7) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters that may impact your business or commercial interests?

YES Y NO UNSURE

Comments: Our Emplosing OPERATORS PLAN RESOURCE MARVER ITAS NAMES, MODRESSES & PHORE WUNBERS FOR ENFRICELY RESPONDERS IN TILL ELERT MAR- POWER & RESOURCES ARE WERDER

8) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES 🛛 🔨 🗆 UNSURE 🗆 **Comments:** 149 LOCAL GOUT UNDERSTRADS THE NEED SUPPORTS + POSSESS THE NEED FOR RESOLACES BUT THE LOACE OF OFFICER ON- KAIS IN THE VALUEY KNOWLG THESE RULES LEAVES THIS AS A YEST NO ISSUE

Hazard Mitigation: any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from hazards (floods, severe storms, wildfires, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects fire departments in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. fire stations, shelters, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?



2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?

	YES 🗆	NO 🗆	<i>MuKnown</i>
Comments:			

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support fire department functions during natural hazard events?

NO 😰	
	NO

Comments:

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for fire departments during hazard events?

	YES 🗆	NO 🗹
Comments:		

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support fire department functions during natural hazard events?



6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?



7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?



10.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

~

11.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?



12.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)



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Achigh Valley Hazard Mitigation Plan Update: Survey for County Emergency Medical Service Providers

Background

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Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to http://www.nc911.org and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects Emergency Medical Service providers in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you think that critical and essential facilities (incl. EMS facilities, hospitals and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES 🛛 NO 🗆

Comments:

WE HAVE Generator power For essentials & EMS STATION, Hospitals I believe have back-up generators, we Have NO Local shuttens with BACK up PONER!

2) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?

3) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support EMS functions during natural hazard events?

YES I NON POWER GOES DOWN, COMMUNICATIONS GO DOWN, RECENT STORMS NO COND LINEN, NO INTERNET, NO CABLE. Cell SERVIZE LIMITER & OVERLOADED. VERIZONCOLL WAS WORKING DECAUSE They Has BACK-UP GENERATORS

4) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for EMS during hazard events?

YES D NO X				
	nments:		2	
		Enucation	1 1	n
·····				· · · · · · · · · · · · · · · · · · ·

5) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support EMS functions during natural hazard events?

6) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?

- 7) Do you think that your EMS company works to inform your constituents of how they can better manage their risk to natural hazards?
 - YES \boxtimes NO \square

We have Lost of Resident's who Need special consideration. Individually on O2, mobility issues. During Emerypring situations we check with them is give them updates, it presistance as Needed.
8) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?



9) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

Comments: WEAR EMA system on local level Dule TO govil Funding on services of Situations. Preparticulas = # - poor Economy NO Funding I 10) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency functions, while COG activities support the continuance of agency governance.)

Comments: WERE COMPED by Debicates Dipartment trape who work to ensure sufaity OF RESIDENT'S

YES \Box NO \square

Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects law enforcement in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. jails, police stations, detention centers, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

 $YES \Box \quad NO \Box \quad UNSURE \boxtimes$ **Comments:** All PSP stations in Northampton) 5 Lenich Counties are disaster resistant & have Baek-up Power

2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?

YES \Box	NO \Box	UNSURE 🗹
n anna a na mar ann an ann ann ann ann ann ann ann an		

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support law enforcement functions during natural hazard events?

YES \Box	NO 🗆	UNSURE 🗹
------------	------	----------

Comments:

Comments:

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for law enforcement during hazard events?

YES D NO D'UNSURE D

Comments: Not ensuch local Public EDucation & AUNTINESS Des tristeible Perce to a Disaster

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support law enforcement functions during natural hazard events?

í

YES D NO & UNSURE D **Comments:** Most occurring os found by the Police officers Walkurb the Roposs & highways first. I believe the Advounce marks stare little Purpose for the Police officers

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

$YES \square NO \square UNSURE \square$

Comments: DE Some of the Fechnologies that currently Exist & Der Not FAMiling-emerginery Protocol.

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

YES INO DUNSURE D



8.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES INO DUNSURE D

Comments:
comments.

9.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES \Box NO \Box UNSURE \square

Comments: VDRIES Per local government.

10.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance

YES Z NO D UNSURE -

Comments:	

Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

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Purpose

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Directions

Please review and answer the following questions regarding potential mitigation that affects law enforcement in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. jails, police stations, detention centers, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES \square NO \square UNSURE \square

Comments: LOWER MILFORD STATION 41 (POLICE) IS SERVED WITH A BACK-UP DIESEL GENERATOR, IT POWERS THE STATION AND ADJOINING EMERGENCY MEMT ROOM, AS WELL AS PORTIONS OF THE MUNICIPAL BUILDING, THE BUILDING AND ITS FACILITIES ARE CENTRALLY LOCATED WITH IN THE AREA IT SERVES AND IS ALSO AVAILABLE FOR TEMPORARY SHELTER WITH LAVATORY AND SHOWER FACILITIES, 2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?

$YES \square NO \square UNSURE \square$

Comments: RECENT ROAD AND BRIDGE IMPROVEMENTS TO STATE ROADS HAVE BEEN ACCOMPLISITED WITHIN THE PAST FIVE YEARS AS WELL AS MAINTAINANCE TO TOWNSHIP ROADWAYS REGULARLY,

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support law enforcement functions during natural hazard events?

YES \square NO \square UNSURE \square

Comments: DURING RECENT WEATHER RELATED EVENTS COOPERATION AND ASSISTANCE FROM LOCAL UTILITIES WAS SATISFACTORY,

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for law enforcement during hazard events?

$YES \Box \quad NO \boxdot UNSURE \Box$

Comments: LAST FALL THE COUNTY EMA SENT A REP TO THE TOWNSHIP FALL FESTIVAL TO PROVIDE AN EDUCATIONAL OPPORTUNITY TO THE PUBLIC. IT WAS WELL RECIEVED BUT FURTHER PROGRAMS SUCH AS THE ABOVE COULD BE BENEFICIAL IF AVAILABLE. 5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support law enforcement functions during natural hazard events?

YES 🗹	NO 🗆	UNSURE	
-------	------	--------	--

Comments:		
	NARAN METATA	

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

	YES 🗹	NO 🗆	UNSURI	ΞD	
Comments:		<u>a manimu (Alexa) (Nordelando (1997)</u>		i e fanse e na se oarmen men geblyng yn denne gewer er gebr	

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

YES \square NO \square UNSURE \square

Comments: WE HAVE A SMALL STAFF, YET DURING AN EMERGENCY ALL HANDS ARE AVAILABLE SHOULD THE NEED ARISE TO INFORM THE PUBLIC OF ANY EMERGENCY,

8.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES \square NO \square UNSURE \square

Comments:	

9.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES 🗹 NO 🗆 UNSURE 🗆

Comments:

10.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance

YES □ NO [™]UNSURE [™]

Comments:	

Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to http://www.nc911.org and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects law enforcement in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. jails, police stations, detention centers, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

 $YES \Box \quad NO \blacksquare UNSURE \Box$ **Comments:** * BALL-UP POWER Sources ANE NO. -READILY AVAILABLE.

2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?

$YES \square NO \square UNSURE \square$

Comments: * A QUESTION FOR PUBLIC WORKS AD D STREETS EXPERTS TO WEIGHT IN ON.

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support law enforcement functions during natural hazard events?

YES 🖉 NO □ UNSURE □ **Comments:** * MOST LIKELY ARE COMPLIANT , N THE 911 CENTER, NOT CERTAIN ABOUT ALL OTHER EMERGENCY SERVICES BUILDING-S

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for law enforcement during hazard events?

$YES \Box \quad NO \blacksquare UNSURE \blacksquare$

Comments:

* NOT ENTIRELY CERTAIN TO WHAT EXTENT ON LEVEL "PUBLIC EDUCATION" HAS BEEN TASKED WITH "INFORMING THE PUBLIC." 5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support law enforcement functions during natural hazard events?

YES \square NO \square UNSURE \square



6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

$YES \Box \quad NO \boxtimes UNSURE \Box$

Comments:

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

$YES \square NO \square UNSURE \square$



e (177

* SOMEWHAT!

8.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

 $YES \square NO \blacksquare UNSURE \square$

Comments: * SERVICES AND EQUIPMENT ARE NOT ALWAYS 100 "TO ADEQUATE" DURING MOST DISASTED TURIDENTS.

9.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES NO UNSURE Comments: * ALTHOUGH MAY NOT POSSESS ALL ALE PESONALES.

10.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance

YES \swarrow NO \Box UNSURE \Box

Comments:

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects fire departments in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. fire stations, shelters, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?



2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?

	$\operatorname{YES} \bigwedge \operatorname{NO} \square$	
Comments:		

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support fire department functions during natural hazard events?

YES □ NO 🖗

Comme	ents:
-------	-------

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for fire departments during hazard events?

YES \square	NOK
---------------	-----

Comments:	

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support fire department functions during natural hazard events?



6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?



7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?



Comments:

10.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

s

7



11.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES □ NO 🕊 Comments: Not Any More

12.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

YES D NO **Comments:**

£,

Hazard Mitigation: any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects fire departments in the Lehigh Valley. Please check "Yes" or "No". **If you indicate "No", please tell us why.** Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. **If there are other important issues that you feel are not covered by the survey questions, please let us know.**

Survey

1.) Do you think that critical and essential facilities (incl. fire stations, shelters, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?



2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properly designed to withstand damage due to natural hazards?

YES	NO	X

Comments: No, & NOT THE BRIDGES, and in Some Cover not the through roods.	

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support fire department functions during natural hazard events?

	YES ⊠	NO 🗆
Comments:		

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for fire departments during hazard events?

	YES 🛛	NO \square
Comments:		

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support fire department functions during natural hazard events?

 $YES \Box \quad NO \Box$ Comments: IN MOST OF THE CASES-VES

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services)?



7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

YES \Box NO \Box

Comments: WE DON'T HAVE A FORMAL PROGRAM TO DO THAT. PERHAPS A COUNTY LEVEL FORMAL PROGRAM WOULD BE HEAFFUL 50 AS TO KEEP THESE PROGRAMS UNIFORM.

10.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES X NO **Comments:**

11.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

 $YES \Box \quad NO \Box$ **Comments:** NOT ALWAYS AS POLITICANS DON'T. THINK OUT SIDE OF THE BOX.

12.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

	YES 📈	
Comments:		

Lehigh Valley Hazard Mitigation Plan Update: Survey for School Districts and Higher Education

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Background

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects schools and other educational facilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and associated infrastructure are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

4) If your facilities are ARC-designated shelters, do you believe they are adequately designed and equipped to support sheltering during and after natural hazard events?

YES D NO D UNSURE D

Comments:	- Not Sure if buildings are ARC designed - Steel & Grick STructures Engineered
	- District is Equipped to openate with
	No power during outrages

5) Do you think that weather forecasts and announcements of road closures and pending road closures are sufficiently accurate and available to support school operation and student transportation decisions in the event of natural hazard events?

NO □ UNSURE □ YES 🖌 - Weather radios - Contacts @ Goro + Touriships for Voad Conditions **Comments:**

8) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

NO 🗆 UNSURE 🗹 YES \Box **Comments:** - Not Sure - We have had visk assessments completed. but Not FAMiliar with COOP/COG PIANS.

If you have any questions **~**

Greg Dett 610-767-9807

gdert@hlsd.org

MIEC

Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

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Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects utilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and infrastructure are disaster-resistant (e.g. are properly located, constructed, and protected from damage from natural hazards)?

	YES x	NO	UNSURE	
Comments:				

2) Do you believe that your facilities and infrastructure have sufficient redundancy and/or are sufficiently networked to provide a minimal level of service to your customers (esp. critical and essential services such as police, fire, hospitals) in the event that you suffer damage/loss to your equipment?





3) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as to reduce their reliance on your services during hazard events?





4) Do you think that announcements of utility outages and service restoration schedules are sufficiently accurate and available to support the needs of emergency management, as well as owners/operators of critical and essential facilities?

	YES X NO UNSURE
Comments:	Temporary outage of PPL IEC facilities should have little or no impact on emergency management or critical facilities.

5) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

YES X NO UNSURE

Comments:		
	PPLIEC promotes the use of 911 and the public appears to be aware of the 911 system.	

6) Do you think that vegetation management programs (e.g. tree trimming and removal) are sufficient to manage the risk of utility outages during natural hazard events?



Comments:	
	PPLIEC operates a buried pipeline and vegetation management issues are not likely to cause an outage. Vegetation management is important for patrolling and emergency access to the pipeline, and PPLIEC is becoming more aggressive in clearing the right of ways.

7) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

	YES x	NO	UNSURE	
Comments:				
1	LIEC promotes		1 and the public system.	

8) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

	IES NO	UNSURE X	
Comments:			
	Some agencies are p equipped than other to work with local ag reduce the hazards a pipelines.	s. PPLIEC is willing encies to help them	

VEC MO IINICI IDE V

9) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency functions, while COG activities support the continuance of agency governance.)

	YES	NO	UNSURE	
Comments:				
	Not applica	able		

BATH BOROUGH AUTHORITY

160 Mill Street P.O. Box 87 Bath, PA 18014 Phone 610-837-0652 Fax 610-837-2644

May 15, 2012

Thomas R. Petrucci Borough Manager Borough of Bath Hand Delivered

Dear Mr. Petrucci,

I passed on the survey to Phil Shunk Jr., Plant Operator to complete the survey. I have attached the survey, should you require more detailed information please contact the Authority Office.

David S. Stack Bath Borough Authority

Recid hand-delivid from Buth Bornigh Authority Thes. 5/15/2012 @ 2:50 pm.

Lehigh Valley Hazard Mitigation Plan Update Survey for Utilities

Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

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The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects utilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and infrastructure are disaster-resistant (e.g. are properly located, constructed, and protected from damage from natural hazards)?

	YES	NO UNSURE	
Comments:			
2) Do you believe that your facilities and infrastructure have sufficient redundancy and/or are sufficiently networked to provide a minimal level of service to your customers (esp. critical and essential services such as police, fire, hospitals) in the event that you suffer damage/loss to your equipment?

YES	NO	UNSURE	
	YES	YES NO	YES NO UNSURE

3) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as to reduce their reliance on your services during hazard events?

	YES	NO (U	NSURE	
Comments:				

4) Do you think that announcements of utility outages and service restoration schedules are sufficiently accurate and available to support the needs of emergency management, as well as owners/operators of critical and essential facilities?

5) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

	YES	NO	UNSURE
Comments:			
· · ·			

6) Do you think that vegetation management programs (e.g. tree trimming and removal) are sufficient to manage the risk of utility outages during natural hazard events?

	YES NO UNSURE
Comments:	
Conservation of the second	

7) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

	(YES)	NO	UNSURE	
Comments:			n fan general fan de fan de fan de fan de fan de fan fan de f	

8) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

	YES	NO	UNSURE	
Comments:				

9) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

	YES	NO (UNSURE)	
Comments:			

Coopersburg Police

Hazard Mitigation:	Any action taken to reduce the loss of life and property by lessening the
	impact of disasters (natural, technological and man-made). It is often
	considered the first of the four phases of emergency management:
	mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects law enforcement in the Lehigh Valley. Please check "Yes", "No" or "Unsure". **If you indicate "No", please tell us why.** Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. **If there are other important issues that you feel are not covered by the survey questions, please let us know.**

Survey

1.) Do you think that critical and essential facilities (incl. jails, police stations, detention centers, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

	YES 🕅	NO 🗆	UNSURE 🗆	
Comments:				

2.) Do you think that the transportation infrastructure (e.g. roads and bridges) is properity designed to withstand damage due to natural hazards?

YES 🗆 NO 🕅 UNSURE 🗆 **Comments:** PA Bridges Are In need of Repair As They SIT. I do not believe most could with stand A NATURAL HAZARD.

3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support law enforcement functions during natural hazard events?

 $YES \not \supseteq NO \Box UNSURE \Box$

Comments:

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for law enforcement during hazard events?

YES \Box NO \Box UNSURE \bowtie

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support law enforcement functions during natural hazard events?



Comments:		

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

 $YES \square NO \not UNSURE \square$

Comments: I don't betreve people want TO TAKE The Time To SET Involved.

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

YES \square NO \square UNSURE \square

8.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

	YES		NO 🗆	UNSURE	X
--	-----	--	------	--------	---

Comments:			
		5	

9.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES 🗆	NO \Box	UNSURE 🕅
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Comments:

10.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance

YES \Box NO \Box UNSURE \bigotimes

Comments:		
	N	

DeSales

University

Hazard Mitigation:	Any action taken to reduce the loss of life and property by lessening the					
	impact of disasters (natural, technological and man-made). It is often					
	considered the first of the four phases of emergency management:					
	mitigation, preparedness, response, and recovery.					

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects schools and other educational facilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and associated infrastructure are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES 🗹 NO 🗆 UNSURE 🗆 **Comments:** Back-up power supporte locacuation or not continuity of operations. RECEIVE MAR 2 3 2012 BY:_

2) Do you think that the transportation infrastructure serving your facilities (e.g. roads and bridges) are properly designed to withstand closures and/or damage due to natural hazards?

YES D NO 🗹 UNSURE D During the Halloween snow foll 3 g 4 access/egress routes to Compus were blocked due to : la) wire fall ; or (b) the fall ; or (c) snow fall.

3) Do you think that the utility infrastructure (spec. electricity and communications) is sufficiently disaster-resistant to support school functions during and after natural hazard events?

YES D NO D'UNSURE D

Tower loss here resulted in our sending the students home or to a hotel in Thilly pence we could not sustain heat and food service on H2O supply.

4) If your facilities are ARC-designated shelters, do you believe they are adequately designed and equipped to support sheltering during and after natural hazard events?

YES 🗗 NO 🗗 UNSURE 🗆 **Comments:** No boch up power, though we are working on it. Oront ideas?

5) Do you think that weather forecasts and announcements of road closures and pending road closures are sufficiently accurate and available to support school operation and student transportation decisions in the event of natural hazard events?

	YES Ł	UNSURE []	
Comments:			

6) Do you believe that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

	YES 🗹	NO 🗆	UNSURE [
Comments:	-1 - 1 ·		1	

7) Do you believe that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

 $YES \square NO \square UNSURE \cdot \blacksquare$

Comments:		-	
-			

8) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency *governance*.)

YES Z NO D UNSURE D **Comments:**

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NEW TRIPOLI

Lehigh Valley Hazards Mitigation Plan Update: Survey for County Firefighters

Hazard Mitigation: any action taken to reduce the loss of life and property by lessening the impact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from hazards (floods, severe storms, wildfires, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects fire departments in the Lehigh Valley. Please check "Yes" or "No". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. Please mark locations/facilities on the map provided. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. fire stations, shelters, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?



4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for fire departments during hazard events?

YES & NO	
Comments: I think that there IS GOOD public AWARENESS but NUT AS to using Fire DEPARTMENT RESOURCES UNNICESSARILY	

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support fire department functions during natural hazard events?

YES IN NO

a		

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10.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?



11.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?



Southern Lehigh

Hazard Mitigation: Any action taken to reduce the loss of life and property by lessening the Ampact of disasters (natural, technological and man-made). It is often considered the first of the four phases of emergency management: mitigation, preparedness, response, and recovery.

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to <u>http://www.nc911.org</u> and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects schools and other educational facilities in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1) Do you believe that your facilities and associated infrastructure are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES X NO 🗆 UNSURE 🗆 **Comments:**

2) Do you think that the transportation infrastructure serving your facilities (e.g. roads and bridges) are properly designed to withstand closures and/or damage due to natural hazards?



4) If your facilities are ARC-designated shelters, do you believe they are adequately designed and equipped to support sheltering during and after natural hazard events?



6) Do you believe that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

	NO 🗆			
Comments:	• 17 7	· ·	(e = #)	
				3
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• #1				(Ĵ)
				ан 13- ек

8) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance of agency governance.)

YES 🛛 NO 🗆 UNSURE 🗆 ALL SCHOOL District ADMINISTRATION **Comments:** PARTICIPATED IN COUNTY NIMS TRAINING.

UPPER SAUCON TO BEEN STORE 5500 CAMP MEETING CENTER VALLEY, PA 18 (610) 282-3064	UAD	Valley Hazard Mitigation Plan Update Survey for Law Enforcement	17211 SAUL
Hazard Mitigatio	impact o consider	on taken to reduce the loss of life and pr of disasters (natural, technological and ed the first of the four phases of en on, preparedness, response, and recovery.	man-made). It is often

Background

Lehigh and Northampton Counties are currently updating their 2006 Hazard Mitigation Plan (HMP). This update is required by the Federal Emergency Management Agency (FEMA) in order to remain eligible for federal mitigation grant funding. The HMP must provide a "blueprint" by which local governments can make coordinated, cost-effective efforts towards reducing losses from natural hazards (floods, severe storms, sinkholes, etc.). More information about this planning process may be found at the Lehigh Valley Hazard Mitigation Plan website by going to http://www.nc911.org and selecting the "Hazard Mitigation" link.

Purpose

The following survey is designed to help identify general needs for mitigation within the Lehigh Valley from your perspective, as well as to identify specific projects that may be included in the update to the mitigation plan.

Directions

Please review and answer the following questions regarding potential mitigation that affects law enforcement in the Lehigh Valley. Please check "Yes", "No" or "Unsure". If you indicate "No", please tell us why. Provide as much detail as possible to support your choice in the Comments box. Feel free to attach extra sheets if necessary. Where possible, identify specific areas (locations, facilities, programs, policies, etc.) that need to be improved, and your suggestions for possible improvements. If there are other important issues that you feel are not covered by the survey questions, please let us know.

Survey

1.) Do you think that critical and essential facilities (incl. jails, police stations, detention centers, and medical centers) are disaster-resistant (e.g. are properly located and constructed, and have back-up power as appropriate)?

YES 🗆	NO 🗆 UNSURE 🖉		
	YES 🗆	YES D NO D UNSURE X	YES D NO D UNSURE X

2.) Do you think that the transportation infrastructure (e.g. roads and the state is properly designed to withstand damage due to natural hazards?

× · · y

YES D NO D UNSURE X



3.) Do you think that utility infrastructure (spec. electricity and communications) are sufficiently disaster-resistant to support law enforcement functions during natural hazard events?

YES D NO 🖄 UNSURE

Comments: Storm of October 2011 Showed that electrical intrasmiciune was insdequinte. Numaus downed Tradisticine Caused many residents to be whom power for several date. Also, the Sprint/Nexter system was not operating.

4.) Do you think that local public education and awareness programs are effective at informing the public on what they should do to be prepared for and reduce their personal risk to natural disasters, so as not to increase the need for law enforcement during hazard events?

YES ⋈ NO □ UNSURE □

5.) Do you think that announcements of road closures and pending road closures are sufficiently accurate and available to support law enforcement functions during natural hazard events?

YES D NOX UNSURE D

With No power, there is suo way to communicate to the public. Comments:

6.) Do you think that the public is aware of, understands, and takes advantage of emergency warning and notification systems and services (reverse 911, audible alerts, cell and text services, NYAlert)?

YES 🗆 NO 🗆 UNSURE 🖈

Comments:

1

7.) Do you think that your agency/organization works to inform your constituents of how they can better manage their risk to natural hazards?

YES D NO X UNSURE D

8.) Do you think that emergency response planning, services, and equipment are adequate to manage and respond properly to natural disasters in your community?

YES D NOX UNSURE **Comments:**

9.) Do you think that local government understands, supports, and possess the resources for natural hazard risk reduction efforts in the community?

YES D NO Z UNSURE D

Comments:

10.) Is your agency covered by a COOP / COG plan? (Continuity of Operations / Continuity of Government plans examine an agency's ability to perform minimum essential functions during any situation. COOP activities support the continuance of agency *functions*, while COG activities support the continuance

YES 🗆 NO 🗆 UNSURE 🗖

Northampton County COG's & Municipalities Joint Meeting Minutes December 13, 2011 Hellertown Borough Hall 685 Main Street Hellertown, PA 18055

Attendees:

Tom Harp Priscilla DeLeon Tom Dittmar Brian Harris Cathy Kichline Carol Halper Mayor Desiree DeNicola Gary Birks Bob Lammi Jim McGowan Debra Seiple Suzann Gorman Bob Mateff Timm Tenges Alicia Miller Karner Joe Laky Angel Gillette Carol Obando-Derstine Victor Rodite John Orsini Ed Ingram	NC Director of Administration Lower Saucon Township NC Environmental Conservation Coordinator Bushkill Township Hellertown Borough Congressman Charlie Dent's Office Roseto Borough Senator Pat Browne's Office Palmer Township Wilson Borough East Allen Township Executive Secretary, NC Department of Administration NC Director of Emergency Management Services (EMS) Lower Nazareth Township NC Economic Developmental Administrator NC GIS Analyst NC Hazard Litigation Disaster Recovery Manager, EMS Senator Casey's Office Slate Belt COG Business Development Specialist, Sustainable Energy Fund Saucon Valley Partnership, Board Director SVSD
e	
Sharon Davis	Coordinator Hellertown Business Revitalization
Tom Ringer	Hellertown Borough

Welcome and Introductions

Tom Harp welcomed all attendees, thanking Cathy Kichline of Hellertown Borough for hosting the meeting and providing the facilities. Tom indicated that the minutes from the September 13, 2011, meeting had been sent electronically to all members, and to date, he had not been made aware of any necessary changes or clarifications. Attendees were requested to contact Tom should they wish to be added to the distribution list.

Kathy Kichline – Hellertown opened up Saucon Rail Trail last March. Huge impact, thousands of residents have been utilizing it. She attended hazardous mitigation with the County, and gaming authority meeting where Hellertown had applied for funds. Gary Birks- Announced his retirement effective 12.31.11

Bob Lammi – The Miracle League project moving along well, with a groundbreaking ceremony yesterday.

Northampton County – Tom Harp reported that County Council passed a budgetat the eleventh hour. It is underfunded due to not passing tax increase which would have required ½ mil tax increase. Council elected not to increase taxes, therefore it remains at 10.8 mils. There are many challenges in year ahead to stay within the budget. We may have to tap into reserves. Also in the upcoming year, Mr. Stoffa's priorities remain trying to get a lease worked out for the West Easton treatment center, obtain approval for the purchase of a building to store the county's archives, and the private management of Gracedale. We hope to see operational improvements in Gracedale from the private management company, as well as some cost saving measures so the facility can be self-sustaining and not require county subsidies.

There are three new council members coming on board in January. They are Scott Parsons from Slate Belt region replacing Ron Angle; Bob Warner in Easton, replacing Mike Dowd; and in the Bethlehem district, Ann McHale announced her retirement and will be replaced by Ken Kraft.

Last Monday in the rotunda, we kicked off a week of celebration for the Northampton County Historic Courthouse's 150th Anniversary. The outside of the old courthouse has been repainted and restored to look as it did back in 1861. In addition to the anniversary, the "Passport to History" program sponsored by the Northampton County Historical & Genealogical Society (NCHGS) was announced. Passport booklets are free and can be picked up at the courthouse, as well as at local historical societies. Visitors go to each site and get their passport stamped. The NCHGS hopes to continue the program annually.

Sustainable Energy Fund

Our guest speaker was John Orsini, Business Development Specialist for the Sustainable Energy Fund (SEF), a private non-profit organization that assists energy users in overcoming educational and financial barriers through sustainable energy futures. Formed in 1999 as result of deregulation of the electric industry in PA, it is one of five funds originally formed in PA as a social benefit funded by rate payors in the PPL territory. SEF promotes energy conservation and efficiency, alternative energy sources and renewable energy in the state of Pennsylvania through educational programs and an annual conference. It also funds a wide range of energy efficiency projects, such as solar electric projects, lighting projects, HVAC upgrades, retrofits, etc. Fund projects range from \$10,000 to \$1M. Energy efficiency is 'free' money. Act 129 was passed in 2008 and requires the utilities in PA to reduce consumption of electricity in their various territories by 1% by October of this year and by 3 % by October, 2013. Projects can be financed by energy savings.

DCED Update

Alicia Karner provided an overview of the DCED office. The primary vehicles that are used to facilitate economic development within communities are three authorities - General Purpose Authority, which focuses on financing for hospitals and higher end facilities; Industrial Development Authority, which assists manufacturer's and non-profits with tax-exempt financing; and the Gaming Authority which has just concluded and awarded all the restricted grants for 2011 and will be opening up a new round for the restricted or impact related grants for 2012 beginning in January. The uncommitted funds, which are open to all municipalities in Northampton County, will most likely open in the summer.

The region recently received a \$3.4M HUD Sustainability grant. Northampton County partnered with many entities including Lehigh County and the cities, non-profits like the Community Action for Lehigh Valley and the Lehigh Valley Economic Development Corporation for that grant. The economic development and strategic planning process associated with it is of particular interest. Both Northampton and Lehigh Counties and other groups will be developing a strategic plan to

focus on sustainability. Significant focus on the cities, some on the boroughs and presumably adopted by the counties. There is also a Lehigh Valley land recycling initiative between the two counties that involves environmental assessment of brown field (vacant, dormant) properties.

Tom Dittmar provided an update on landfills and recycling. On Nov. 23 a letter was received from the DEP approving the 2010 Municipal Waste Management plan. 19 landfills have signed on to the plan. Solid Waste Advisory committee meeting will be held in January. Five e-cycling events over the last year collected over 102,000 lbs of e-cycling waste. Again, five events are scheduled for 2012 throughout Northampton County. A list will be going out with dates and locations shortly. Beginning in January, 2012 the only collection fee is for fluorescent bulbs and batteries. In 2012, we hope to double the collection and already anticipate a collection of over 200,000 lbs. of electronics. Next year's e-cycling events will begin at the Easton Area HS on May 19. Companies that take electronics are required to have an R2 certification to ensure they are disposed of properly. The 2012 Household Hazardous Waste event is scheduled for Oct. 6 at Northampton Community College. This year's event had over 1,123 cars come through and we collected over 100,000 lbs. of household hazardous waste and over 15,000 lbs. of car batteries. After 4 years of collecting, we are still seeing large volume of material. Another program we are looking into is a used tire collection. We need to identify a site and process. Volunteers are always welcomed at any event.

Geographical Information Services (GIS)

Joe Laky reported that last year a document certification ordinance was passed, and it requires that all documents going through recorder's office, such as deeds and mortgages, must be certified by the county GIS office. There is a \$10 charge for every parcel. Pictometry is a stand-alone software that provides an oblique, 45 degree angle of all sides of a parcel. The county is providing one Pictometry license per municipality. The data files for each municipality require a lot of storage space on the network. It is a great tool for various situations, including emergency management and zoning. Municipalities that have not as yet taken advantage of obtaining th Pictometry software may contact Joe at 610-

A census statute requires that the election districts conform to census block lines that are in the 2010 census. This leads to the possibility of redistricting eight municipalities. This would require a public meeting with Board of Elections to start the process.

Emergency Management Services

Bob Mateff reported that this year we have reached historic proportions in emergency management services for the county. Never before have we had six contiguous, consecutive or concurrent presidential disaster declarations in the county. Northampton was one of the few counties that were able to get all six declarations for the two storms, which included public and individual assistance for both. Tropical Storm Lee was the last storm and had the longest period for application meaning it was not just related to that storm. There was more damage sustained during the October snow storm. As a reminder, the snow policy for FEMA is different than the tropical storm/hurricane policy. The county must have a record or near record of at least 21" of snow to qualify for public or individual assistance. Municipalities spent a lot of money on debris removal and debris management and recovery for that storm.

There was a LPDM grant program given out last few months, generator grant offered to municipalities, fire departments, and public safety related fields. Working with FEMA, applications have gone in, once received who was successful who was not successful, that

information will be passed on. An interesting fact is that Northampton County received over \$2M worth of requests. We received feedback from all sectors of the county, water treatment plants, waste treatment plants, municipal buildings, fire departments, and EMS agencies. All information has been passed along to Congressman Dent's office to show that we had only \$350,000 to spend and now have \$2M worth of requests. This grant application was a huge success and simple to fill out.

Bob asked municipalities to remember the snow policy. Stay on top of record keeping in case of record snow fall. In such a case, we must produce records quickly, sometimes less than 48 hours.

An outreach goal for next year through the local emergency management coordinators is to catalog the buildings and apartments (not including assisted living facilities) that do not have an emergency plan. Experience has found that these type of facilities are woefully unprepared to respond to an emergency. It could be as simple as having a contractor on standby to bring a generator.

There has been a lot of change over recently with local coordinators and some local elected officials. In the beginning of the year a reminder will be sent out to municipalities to appoint a coordinator, as required by law, if they have not done so already. The training program that was released has been overhauled. That new information will be sent out as well.

Angel Gillette reported on the hazard mitigation plan and recovery efforts. Northampton County was recently notified that we finally met threshold (\$980,000) to get public assistance declaration for Tropical Storm Lee. An applicants' briefing is scheduled for this Thursday to get updates from PEMA and FEMA. Angel has been working on the county's hazard mitigation plan toidentify future projects. It's a bi-county effort and with the help of Congressman Dent's office we have received a large grant to update the plan. We have contracted with a consultant who specializes in flood plain management and hazard mitigation. A recent pre kick-off meeting with municipalities was very well received. A lot of feedback received from municipalities indicating that they are taking their roles very seriously. This process will be ongoing next few months. Municipalities can help by promoting residents to fill out the Community Preparedness survey found on hazard mitigation plan webpage. This will help tailor the plan specifically to the hazards in each area.

<u>Adjournment</u>

Tom Harp once again thanked Cathy Kichline and Hellertown Borough for hosting today's meeting. He also thanked participants for attending, and our guest speakers for their informative presentations. He asked if there were any suggestions for next year's meetings and several people recommended that we reduce the meeting time to two hours. Gary Birks announced his retirement at the end of the year from Sen. Browne's office. We thanked Gary for his service, and wished him well.

The next Joint Meeting of Northampton County COG's and Municipalities will be held on Tuesday, March 13, 2012 from 10:00 a.m. to 12:00 p.m. at a location to be announced.

Minutes by Suzann Gorman

Reviewed by Tom Harp



Welcome to the Stakeholder Workshop for the 2012 Lehigh Valley Hazard Mitigation Plan Update

Please visit the Lehigh Valley Hazard Mitigation Plan Update Website by going to <u>http://www.nc911.org/</u> and selecting the "Hazard Mitigation" link, to:

- Learn more about hazard mitigation and this planning process
- Take the Online Citizen Hazard Preparedness and Mitigation Survey
- Review and provide input on draft sections of the Plan Update document

Project Contacts

Northampton County:

Angel Gillette, CEM Manager, Hazard Mitigation & Disaster Recovery Northampton County Emergency Management Services Phone: 610-746-3194, x2230 Email: Agillette@northamptoncounty.org

Lehigh County:

Tanya Hook County Mitigation Lead - Community Outreach Coordinator Lehigh County Emergency Services Phone: 610-782-4604 Email: tanyahook@lehighcounty.org

Contractor:

Jonathan Raser, CFM Tetra Tech, Inc.; 1000 The American Road; Morris Plains, NJ 07950 Phone: (973) 630-8042 Email: jonathan.raser@tetratech.com

The following worksheets are available hard-copy for you to complete:

- Stakeholder Group Mitigation Survey (Academic Institutions, Commerce and Business, Emergency Medical Services, Firefighters, Hospitals and Health Care, Law Enforcement, Utilities)
- Review of Mitigation Planning Goals




























	Lehigh Valley HMP – 2012 Update
Upda	te Hazard Mitigation Goals and Objectives
Goals:	General guidelines that state what we want to achieve. Should be consistent with the State goals and other local goals.
	Example: "Protect existing properties."
Objectives	 Define strategies or implementation steps to attain a stated goal.
	Example: "Enact or enforce regulatory measures that ensure new development will not increase flood threats to existing properties."
Actions:	Specific activities that will achieve our goals and objectives and manage natural hazard risk
Goals and	ng Committee shall be reviewing and updating the Plan Objectives. The counties and each municipality shall be and updating their Mitigation Action Plan.



	Lehigh Valley HMP – 2012 Update 🏾 💦
	Types of Mitigation Actions
	evention. Measures such as planning and zoning, open space preservation, d development regulations, building codes, storm water management.
	pperty Protection. Measures such as acquisition, relocation, storm shutters, uilding, barriers, floodproofing, insurance, and structural retrofits for high winds.
	blic Education and Awareness. Measures such as outreach projects, real ate disclosure, hazard information centers, technical assistance.
	tural Resource Protection. Measures such as erosion and sediment control, aam corridor protection, vegetative management, and wetlands preservation.
	rergency Services. Measures such as hazard threat recognition, hazard
	ming systems, emergency response, protection of critical facilities, and health d safety maintenance.
reta	uctural Projects. Measures such as dams, levees, seawalls, bulkheads, aining walls, channel modifications, storm sewers, and retrofitted buildings and vated roadways.

Lehigh Valley HMP - 2012 Update Ŧŧ

How can you stay involved in this planning process?

- Visit the LV Hazard Mitigation Plan website
 - Learn more about the planning process and mitigation grant programs
 - Review and provide comments on draft sections of the plan
- Complete Surveys

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- Stakeholder surveys, by stakeholder group (emailed or hard copy)
- Citizen Hazard Preparedness and Mitigation Survey (online through public HMP Website)
- Assist with Mitigation Strategy development
 - Review Goals and Objectives (worksheet here)
 - Identify mitigation projects, actions and initiatives
- Participate in Today's Workshop

Lehigh Valley HMP - 2012 Update Ŧŧ EM

When it comes to reducing our vulnerability to natural and man-made hazards:

- Strengths What do we do well? Weaknesses - What do we need to improve?
- Obstacles - What stands in our way of mitigation?
- This discussion leads to ...
- Opportunities which can be embodied in specific mitigation actions, project and initiatives •

Remember, there are a variety of ways to effectively mitigate

- Prevention Planning, zoning, codes, ordinances, regulations
- Property Protection Retrofits, acquisition, hardening, insurance
- Public Education and Awareness Outreach, information, disclosure

Natural Resource Protection- Stream and wetlands protection, vegetative management

Emergency Services – Recognition and warning systems, emergency response, protection of critical facilities

Structural Projects - Drainage improvements, elevating or retrofitting infrastructure, retaining walls

H PENNS AHE CORA

LEHIGH VALLEY HAZARD MITIGATION PLAN UPDATE STAKEHOLDER WORKSHOP

Meeting Date: Monday, March 26, 2011 - 1:00 pm

	E-mail	b down & SC golweb. com	Electric es 484-634-3720 abcoffine full web.com	484 35'7 5873 Mgivball @ northam Aonied	na @ ptd.net	K@ byufe.erg,	mstene bethsd.org	C lehich edy	Kulenrich a bethlehert-pa.gur	Oncen- Pr. and	ntyknola@NCEm, DEG	arehriz @ lehigh Jewish a. dom	bast casten - pa - sol	Myethe College 10 330 5320 Traxellic 1 Angelle edu	
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L	Phone Number	4846614279	484 - (34 -3720	484 35,7 5873	570 -657 - 1325	610 762 0373	610 807 8635	Rhich University 610-758-3972 afor 20 lehich edu	610-997-7913	610-746-3194 whillendencem- M. 07	1 ~	1220 - 201 - 2010)	610.250.6070	eldo 330 5320	
Meeting Date: Monday, March 20, 2011 - 1:00 pm Location: Northampton Community College, Fowler Center	Municipality/Agency		PPL		canhow the ENA 570 -657-1325 - CCEM2 @ ptd.net	Brahlokmin UPC GIG 762 0373 Johnian K@ brukeria,	BETTI AREA SUN. WSTEWA COLO 800 8635	Lehr Lunvery		NORTHANDER	r ,	Lehre Towners	City of Factor	LAP nyethe Colleg	
Neeting Date: Mortaay, I Location: Northampton C	Title/Position	CHS MGR EN	B	ASST DINECTOR NCC FACILITIES	EMA LOL	Ops Manufer	DIE FACILITES	Dupotur of Fac	NEW MARILIK DEL. Manue	EM PLANNING MER	. /	Mening	First Chief	And Durbs	
	Name	BARRY DOWNES	Diane Coffin	MARNIN GRUBER NEC	Mark Nalesni K Binecter	Ken Johnsen	MARY SIEN	Bary Falusca	Kniten Nenring	William Hillaussan	MICH TYLENDA	Rice Rehil	(DAN BAS	Jeft Traxell	

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LEHIGH VALLEY HAZARD MITIGATION PLAN UPDATE STAKEHOLDER WORKSHOP

Meeting Date: Monday, March 26, 2011 - 1:00 pm Location: Northampton Community College, Fowler Center

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E-mail	harr 3271 O. GMG. F. Con	PA DEP 1 610-861-2086 DAMALLOYEPA. 601	Bishkill Twy 610-861-5467 TZARABUSHICMANAM. Edd	bRAURN College 610 - Bei 142 megs/\$1 e meravion-Edu	rmale ff acem-pa.0	Red Cross 610-865-4400 10 rodelia. Millele	570 992 - 4113 makeegan (2 cs. monnor. Pr.))			
Phone Number	(av 759/250	610-861-2086	しっとろ- 198-019	(-10 - 201 145-)	610- B146-3194	610-865-4	570 992 - 4113				
Agency	Supplie To	PA DEPI	Bushkill Two	MORAVIAN CULER	NorthAmotoult	Red Cruss	Honal County EMA				
Title/Position	In Man	SABITARIAN	5.MC	Fire requestion	Diaceton	DIR	Ene Berner				
Name	Fin Varis	DAVE MALLOY	Tom Baenoush	GREGOLY LONG	Bob Mater ~	Cordeli A Mille	Margellen Keegan	2			



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	Location: Northampton Co	Location: Northampton Community College, Fowler Center	er	
Kathlem McVeril	Sup Pub An + Ken	MLTEC	611 327 5334	KM c Veigh cyplie.com
ANGEL GILLETTE Dis. Recovery MANAGER	Hostarei Mitigation	NORTHAMPTON COUNTY EMERENC	4 610-746-	NORTHAMPTON 610-746- 09:11ette QNCEM-PA, DRG
KRIS MATTSON	PROJECT	TETRA		7
		TETRA TECH		



LEHIGH VALLEY HAZARD MITIGATION PLAN UPDATE STAKEHOLDER WORKSHOP

Meeting Date: Tuesday, March 27, 2011 - 1:00 pm Location: Lehigh Carbon Community College, Community Services Center, Room 109

Name	Title/Position	Agency	Phone Number	E-mail
Tanya Hook	Community Outreach Coord.	Lehigh County	10-787-41000	ton a book a lated amost a sea
Willixm BellAS	DISTRICT MAINT. MOR.	Emergency Management PADOT	610-87/-4141	tanya hook@lehigh.countyeorg WbellASEPA.GOV
Jul Calaria	EMS BUNAU Manager	City of Allentown EMS	610 - 437 - 7531	joel. calarco @allentoumpa, qui
PSEN GALIARON	DAPENA	LowEL MACHEN	610.966-4343	
JOHN DONDERO	CHIEF OF POLICE LOUGE MILFORD TWP	LMPD		Idondero @ lower milford, her
Mork Lapos	Parkland S. D.			
David Fenton	ops + Training Lobrt	LC EMA	610 762 - 4600	Lavid Funden @ Lehigh county, or g
Tom Nervine	Director of Emergency Services	Lehigh County Emergency Services	610-782-4600	the maspervine @ le high courty
VALERIE BROOKS	(STAJJ			VALERIE BROOK @ 10 HIGH COUNTY.0
Michael Norremacher	Ems Chief	EMMAN J Aub. Comp		Chief @ emmans coms. com.
Judy Borger	Director of Plannin E. Development	Carbon County		judy borger@cerboncounty. net
VINCENT D'ANGED	Derime LT	PSP- BETHLEHON		VDANGELO @ PA.GOV
Glenn Solt	Leh Cnty Air Gen, SUCS.	Lohigh County		glennsoltelehighcounty-org



LEHIGH VALLEY HAZARD MITIGATION PLAN UPDATE STAKEHOLDER WORKSHOP

Meeting Date: Tuesday, March 27, 2011 - 1:00 pm Location: Lehigh Carbon Community College, Community Services Center, Room 109

Name	Title/Position	Municipality/Agency	Phone Number	E-mail
MARE ROSANIA	Director of Business Deeration	Pinebroot Family Services	610-774-1444	
BATTY RODENBOUGH	NIA. OF SECUMTY ASD	ALLENTENN School DISTUT	484-765-4044	ALLENTOLWSD. ONG.
Cordelia E. Miller	Director Emerg. SUC	Red Cross of L.V	610 - 865 - 4400	Cordelia. Millero red Cross. Org
NINA Jottuson	MANAGER DisASTER SUC	AEC OF GW	5×7 227	Ni NA. JOHNSON @ Reduces, OI
LARRY WIRLsch	CED CETLONIA ANDULINA	CRITRUNIA ANBULANA	605305502	WIERSCHLECETRONA.OKG
KEVIN GERMAN	Operation Forena.	Lehigh County Authonity	610 398 8504	KEVINGETIMAN @ Lohigh County Actions. 089
Grant Grim	Fire Commissions	upper mocungie Township	610-395-4892	66RIMQ Uppermac.on
John Kulynych	SPic c.ps	1		Jehnkalynych elshighlennty. ors
Christophi J. Gres	Operations Manager	Macungie Andulance	610-966-2601	Cares Omacamb.org
MaryEllen Shiels	Program Manager	Allentown Haa Hh Burau	610-437-7510	MaryEllen Shiels@allentounga.g



Welcome to the Public Outreach Meeting for the 2012 Lehigh Valley Hazard Mitigation Plan Update

Please visit the Lehigh Valley Hazard Mitigation Plan Update Website by going to <u>http://www.nc911.org/</u> and selecting the "Hazard Mitigation" link, to:

- Learn more about hazard mitigation and this planning process
- Take the Online Citizen Hazard Preparedness and Mitigation Survey
- Review and provide input on draft sections of the Plan Update document

Project Contacts

Northampton County:

Angel Gillette, CEM Manager, Hazard Mitigation & Disaster Recovery Northampton County Emergency Management Services Phone: 610-746-3194, x2230 Email: Agillette@northamptoncounty.org

Lehigh County:

Tanya Hook County Mitigation Lead - Community Outreach Coordinator Lehigh County Emergency Services Phone: 610-782-4604 Email: tanyahook@lehighcounty.org

Contractor:

Jonathan Raser, CFM Tetra Tech, Inc.; 1000 The American Road; Morris Plains, NJ 07950 Phone: (973) 630-8042 Email: jonathan.raser@tetratech.com





















Ehigh Valley HMP – 2012 Update Why is Updating these Plans Important? Why is Updating these Plans Important? Our Exposure and Vulnerability to natural hazard risk changes: As nature (or man's effects on nature) changes As man does things to increase or decrease our vulnerability As our capabilities to manage risk change (knowledge about risk, funding, etc.)

 How we propose to continue to manage natural hazard risk at the County, Local and Personal levels continually needs to be monitored, assessed and adjusted.













Lehigh Valley HMP - 2012 Update Ŧŧ Assess the Risk – Hazard Profiling • Hazards are profiled (characterized) according to: Historic losses and impacts Severity - Designated Hazard Areas - Background and local conditions - Historic frequency and probability of occurrence Assess the Risk - Inventory of Assets What is at risk? People, Property, Economy, Environment Critical Facilities (essential facilities, utilities, transportation features, high-potential loss facilities and user-defined facilities) Police, Fire, Emergency Services Hospitals and Medical Care Facilities Academic Facilities Sheltering Facilities



High-Potential Loss Facilities (Dams, Military Installations, Haz-Mat)





Lehigh Valley HMP – 2012 Update	Ŧŧ
Identification and Analysis of Mitigation Actions	
Mitigation actions need to be realistic, achievable and action-orient	ed.
• Will include both regional actions, as well as jurisdiction-specific.	
• Will address both public and private property.	
 For each proposed mitigation strategy, the following will be identified Implementation timeline 	ed:

- Estimated cost
- Estimated benefits (avoided losses)
- Potential funding sources
- Lead agency or department
- Supporting agencies













Lehigh Valley HMP – 2012 Update

How can you stay involved in this planning process?

- Visit the LV Hazard Mitigation Plan website
 - Learn more about the planning process and mitigation grant programs
 - Review and provide comments on draft sections of the plan
- Complete Surveys

EM

- Citizen Hazard Preparedness and Mitigation Survey (online through public HMP Website)
- General Mitigation Survey (hard-copy)

Assist with Mitigation Strategy development

- Assist with identifying mitigation projects and initiatives to reduce hazard risk in your community
- If your property is a candidate for mitigation (e.g. elevation, acquisition), please contact your municipal mitigation planning point-of-contact

















Ehigh Valley HMP – 2012 Update Why is Updating these Plans Important? Why is Updating these Plans Important? Our Exposure and Vulnerability to natural hazard risk changes: As nature (or man's effects on nature) changes As man does things to increase or decrease our vulnerability As our capabilities to manage risk change (knowledge about risk, funding, etc.)

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DIRECTIONS TO THE EASTONIAN CONFERENCE CENTER HOLIDAY INN EXPRESS

From the South/West: From Route 22, take the 25th Street/Wilson Borough Exit. Make a left at light onto 25th Street. Make a left at the light onto Northampton Street. Make a left onto Corporate Drive at the next signal. Take a right at the stop sign onto Kunkle Drive. The Conference Center is at the end of the cul-de-sac.

From the East: From Route 22, take the 25th Street Exit. Go straight thru two traffic signals. At stop sign, turn right onto Kunkle Drive. The Conference Center is at the end of the cul-de-sac.

From the North: From 25th Street, turn right at the traffic signal at the intersection of 25th and Northampton. Make a left onto Corporate Drive at the next signal (Wachovia Bank will be on your right). Take a right onto Kunkle Drive at the stop sign. The Conference Center is at the end of the cul-de-sac.

More information about The Eastonian Conference Center may be obtained at: <u>www.theeastonian.com</u>.

Direct all payments and correspondence to:

NCATO c/o Williams Township Attn: Melody Ashmore 655 Cider Press Road Easton, PA 18042

Phone: 610-258-8587 Fax: 610-258-6080 Email: <u>mashmore@williamstwp.org</u>

NORTHAMPTON COUNTY ASSOCIATION OF TOWNSHIP OFFICIALS

The Northampton County Association of Township

Officials cordially invite you to the annual Convention.

The Convention will be held on

FRIDAY, SEPTEMBER 28, 2012

3:00-8:00 р.м.

at the

THE EASTONIAN CONFERENCE CENTER HOLIDAY INN EXPRESS 90 KUNKLE DRIVE EASTON, PA 18045

Attendance at this event is open to all Township

Officials, Staff Members, and spouses. A registration

form is enclosed for this event.

AGENDA

ALL TIMES ARE APPROXIMATE

1:30 p.m. Vendor Set-Up

- 2:30 p.m. Registration & Visit Vendors
- **3:00 p.m. Call to Order—Business Meeting** Minutes Treasurer's Report Election of Officers—Nominations Committee Introduction of Vendors Resolutions
- 3:15 p.m. PSATS Update/MS-4 Presentation Elam Herr
- 4:00 p.m. County Executive, John Stoffa
- 4:15 p.m. Networking/Visit with Vendors (Chinese Auction giveaway)
- 4:30 p.m. Panel Discussions TetraTech-Lehigh Valley Hazard Mitigation Plan Maria Bentzoni—New County Parks & Recreation Funding Geoff Reese—Lehigh Valley Planning Commission
- 5:30 p.m. Networking/Visit with Vendors Chinese Auction giveaways
- 5:45 p.m. Refreshments/Hor'deurves
- 6:30p.m. Dinner-Invocation-Deborah Patterson
- 7:30 p.m. Scholarship Presentation
- 7:40 p.m. Miracle League Donation



SCHOLARSHIP PRESENTATION

The Association will be presenting a \$1,000.00 scholarship at this event to a student of one of Northampton County's Second Class Townships.

The Association will also be presenting a \$500.00 donation to the Miracle League.

DINNER MENU

by Lehigh Valley Caterers

Refreshments/Hor'deurves

Caesar Salad Red Roasted Potatoes Spring Garden Mixed Vegetables Meatballs Stuffed Shells Steak & Mushrooms Bakes Stuffed Chicken Coffee, Tea and Dessert

RESOLUTIONS

If your township has an issue they would like to present to PSATS for consideration, the Northampton County Association of Township Officials can forward your resolution to PSATS. The resolutions will be voted upon at the County Convention and if approved, forwarded to PSATS.

Draft resolutions may be forwarded to our Resolutions Chairperson, Timm Tenges, at the address below. Timm is also available to compose resolutions if you need assistance. Contact Timm Tenges at:

> Timm Tenges, Township Manager Lower Nazareth Township 306 Butztown Road Bethlehem, PA 18020 610-759-7434 or manager@lowernazareth.com

Please see that your resolutions are sent out by August 27th to insure that Timm has sufficient time to prepare them for the Convention.









Lehigh Valley HMP – 2012 Update
The Lehigh Valley Plan and Update
 Lehigh and Northampton Counties and 56 of the 62 Municipalities developed their original HMP in 2005/6.
 The Lehigh Valley Planning Commission led the 2006 effort and authored the 2006 HMP.
• The final HMP (July 2006) was approved by FEMA in August 2006.
• By regulation, local HMPs must be formally updated, approved by FEMA, and adopted by all jurisdictions every 5 years.
Northampton County Emergency Management Services and Lehigh County Emergency Management Agency are facilitating this planning process, with the support and direction of the Lehigh Valley HMP Steering Committee and Tetra Tech.

0	Lehigh Valley HMP – 2012 Update 🏾 🍞
	Why is Updating these Plans Important?
٠	These plans are intended to guide and direct risk reduction activities – thus they need to stay relevant.
۰	 Our Exposure and Vulnerability to natural hazard risk changes: As nature (or man's effects on nature) changes As man does things to increase or decrease our vulnerability As our capabilities to manage risk change (knowledge about risk, funding, etc.)
٠	How we propose to continue to manage natural hazard risk at the county, local and personal levels continually needs to be monitored, assessed and adjusted.







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	Lehigh Va	lley HMP	– 2012 l	Jpdate		Æ
	Ger	neral Init	iatives			
"common" ini	n each draft loca tiatives for each amend to meet comm	municipalit	ty to consid needs and	er, and eith	er dele	te or
	o address vulner L properties;	able public	and privat	e properties	s, inclue	ding
	o support continuublic education				the NI	FIP;
			ion conchili	ties; and,		

initiatives.

Lehigh Valley HMP – 2012 Update

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Identification and Analysis of Mitigation Actions

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- For each proposed mitigation strategy, the following will be identified:
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- Potential funding sources
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0	Lehigh Valley HMP – 2012 Update Tt
	Types of Mitigation Actions
•	Prevention. Measures such as planning and zoning, open space preservation, land development regulations, building codes, storm water management.
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•	Structural Projects. Measures such as dams, levees, seawalls, bulkheads, retaining walls, channel modifications, storm sewers, and retrofitted buildings and elevated roadways.









0	Lehigh Valley HMP – 2012 Update
	Show Me the Money!
•	Grant funding can address both public and private property (residential, commercial, industrial, etc.)
•	Grant funding typically covers 75% of project costs
•	Eligible mitigation projects may already be identified in your long- term capital plans and budgets
•	 Projects often provide longterm reductions in municipal services costs Emergency Response and Protective Services Maintenance and repair of infrastructure
•	Can fund post-disaster mitigation of damaged structures and infrastructure (404 and 406 funding)









LEHIGH VALLEY PLANNING COMMISSION

961 MARCON BOULEVARD, SUITE 310, ALLENTOWN, PENNSYLVANIA 18109 610-264-4544 FAX 610-264-2616 TOLL FREE 888-627-8808

MATTHEW GLENNON Chair

KENT H. HERMAN Vice Chair

LIESEL DREISBACH Treasurer

MICHAEL N. KAISER Executive Director

> Environment Committee Meeting Tuesday, October 23, 2012 – 11:00 A.M. LVPC Conference Room

AGENDA

Information and Discussion Items

- 1. Draft Lehigh Valley Hazard Mitigation Plan Presentation by Jonathan Raser, Tetra Tech
- 2. Rainfall/Flood Events Update

























Lehigh Valley HMP – 2012 Update

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Jurisdictional Annexes

Your Local Mitigation Strategy, which identifies:

- What you are going to do
- · Who is going to do it
- How you are going to pay for it (cost)
- · How it will save money (benefits)
- Implementation timeline and priority
- Local mitigation strategies include both municipal-specific and "general" or "common" initiatives.







Lehigh Valley HMP – 2012 Update	æ
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Lehigh Valley HMP – 2012 Update <u>Types of Mitigation Actions</u> Prevention. Measures such as planning and zoning, open space preservation,

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Lehigh Valley HMP	9 – 2012 Upda	te T E	
Here's how it	works		
Example: Consider a \$200,000 s in your 5-year Capita		1.1.1	
Base Project Cost: Project cost with grant support: Less 75% FEMA reimbursement:	<u>No Grant</u> \$ 200,000	With Grant \$ 210,000 (<u>\$ 157,500)</u>	
Net Project Cost to Town:	\$ 200,000	\$ 52,500	
Savings:	<u>\$ 14</u>	7, <u>500 (74%)</u>	
and this doesn't consider long term cost benefits			







LEHIGH VALLEY PLANNING COMMISSION

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November 29, 2012

	AGENDA
PLEDGE	
ROLL CALL	
COURTESY OF THE FLOOR	
MINUTES	• Minutes of the October 25, 2012 meeting
COMMITTEE REPORTS	 Comprehensive Planning Committee — Report by Chairman Review of Rehrig Penn Logistics Land Development Situation – Borough of Glendon (County SALDO Application) Reviews: Summary sheet (see attachment on p. 6) Environment Committee — Report by Chairman Draft Lehigh Valley Hazard Mitigation Plan Presentation by Jonathan Raser, Tetra Tech Reviews: Summary sheet (see attachment on p. 7) Transportation Committee — None

OLD BUSINESS

1. Status Report on HUD Sustainability Project

NEW BUSINESS

1. Review of 2013 LVPC and Committee Meeting Schedule

CORRESPONDENCE

EXECUTIVE DIRECTOR'S REPORT

ADJOURN



LEHIGH VALLEY PLANNING COMMISSION

961 MARCON BOULEVARD, SUITE 310, ALLENTOWN, PENNSYLVANIA 18109-9397 610-264-4544 FAX 610-264-2616 TOLL FREE 888-627-8808

November 29, 2012

MINUTES

The Lehigh Valley Planning Commission met for their regularly scheduled meeting on Thursday, November 29, 2012 at 7:00 p.m. in the LVPC Conference Room, 961 Marcon Boulevard, Suite 310, Allentown, PA.

Mr. Matthew Glennon chaired the meeting.

Members in attendance:

Lehigh County

Percy Dougherty Steven Glickman Armand Greco Kent Herman Ben Howells Edward Hozza Kenneth McClain Christina Morgan Stephen Repasch Virginia Savage Donna Wright

Northampton County

Gordon Campbell John Cusick John Diacogiannis Liesel Dreisbach Charles Elliott Charles Fraust George Gemmel Matthew Glennon Ross Marcus Thomas Nolan

Members absent: Norman Blatt, Karen Duerholz, Michael Hefele, Earl Lynn, Lisa Scheller, Becky Bradley, Karen Dolan, Darlene Heller, Robert Lammi, Terry Lee, Jeffrey Manzi and Michael Reph.

Staff present: Geoffrey Reese and Sue Rockwell

Public Present: Jonathan Raser, TetraTech

COURTESY OF THE FLOOR

MINUTES

After a brief review, the minutes of the October 25, 2012 meeting were moved for approval by Mr. Dougherty. Ms. Dreisbach seconded the motion. The motion carried with Mr. McClain, Mr. Nolan and Mr. Gemmel abstaining.

COMMITTEE REPORTS

Comprehensive Planning Committee

Review of Rehrig Penn Logistics Land Development Situation – Borough of Glendon (County SALDO Application)

Mr. Reese said this is a very minor land development in the Borough of Glendon. Glendon is one of those small boroughs that does not have its own subdivision ordinance so this Planning Commission administers the county SALDO on behalf of the Borough. This Commission has approval authority regarding land development and subdivisions in the Borough. This is a very minor addition to an existing manufacturing facility building and parking lot. All they are proposing is a small gravel parking lot on the north side of the building, a couple of storage silos on the east side of the building, and some outdoor equipment on the south side.

We reviewed this project last December. The Commission issued a conditional approval letter. There were several conditions that had to be met. The standard process is that those conditions have to be met within a year unless the applicant requests an extension. The applicant has not come in for an extension. In normal circumstances, in December this year this would be disapproved because conditions have not been met. However, there are extenuating circumstances affecting this plan, and that is a change to state law. Mr. Reese said that there are several documents related to this project with the agenda packet that he will review. The first document is the September 2012 letter sent to the applicant stating that they have until December 15, 2012 to meet the conditions of approval. The next document is an April 2012 memo from Mr. Taremae stating the conditions of approval, some of which were met and some were still outstanding. Next is the original commission conditional approval letter dated December 15, 2011. It grants final approval to the plans subject to agreement of the conditions described in the letter. We have included a summary of the new state law that affects this plan. The new law is an amendment to the Permit Extension Act. Mr. Reese said basically this law extends any types of approvals through July 1, 2016. This means that even though the applicant has not asked for an extension or satisfied all of the conditions, he has through July 1, 2016 to satisfy all the conditions and receive his approval under the process. This is the case for every municipality in Pennsylvania. The reason for the law is that there were a lot of land development plans on the books at the municipal level that were not proceeding due to the downturn in the economy. The extension will give them to 2016 to proceed without having to start the process all over again.

We are not required to send a letter about this unless the applicant requests such a letter, and they have not done so. However, we felt it would be appropriate to send a letter to Mr. Reibman stating that this new state law applies to his situation. He will have until July 1, 2016 to comply. We have included a copy of the proposed letter for your review. We are looking for Commission approval to send the letter. Ms. Dreisbach made a motion to approve the letter. Mr. Dougherty seconded the motion. The motion carried with Mr. Elliott abstaining.

Reviews

Ms. Dreisbach said there are four summary sheet items on page 6 of the agenda attachments. Ms. Dreisbach made a motion to approve the comments. Ms. Wright seconded the motion. The motion carried with Mr. Elliott abstaining on Item No. 3.

Environment Committee

Draft Lehigh Valley Hazard Mitigation Plan

Mr. Repasch said in 2005 the LVPC began working with the Lehigh and Northampton County Emergency Management Agencies to prepare the region's first Hazard Mitigation Plan. The plan addressed only the natural hazards that could impact the Valley, not man-made hazards. All 62 municipalities participated in and adopted the plan. By having an adopted plan in place, a participating municipality could be eligible to receive mitigation funding. The plan was approved by FEMA in April 2007. To maintain funding eligibility, the plan must be updated every five years. The two counties secured a grant to update the plan and hired a consultant – Tetra Tech – to do the work. Jonathan Raser from Tetra Tech presented the draft plan at the October Environment Committee meeting and is here tonight to present the draft plan update to the full Commission.

Mr. Raser provided a power point presentation. He explained to the Commission what hazard mitigation means and why mitigation plans are important. The reason for updating a plan is that a community's risks and vulnerabilities change over time and new projects are identified. To obtain mitigation funding, a plan has to be in place and projects have to be specifically identified in the plan to show the project has been well thought out, that you looked at your risks and identified the best, most cost effective solution alternative. Mr. Reese said, regarding the 2006 plan, we knew that was one of the shortcomings of the plan. We didn't have the time or resources to develop well-defined projects. They were more problem statements rather than engineered solutions. We had an opportunity where \$1 million was made available to the Valley through work by Congressman Dent's office as follow up on the original plan. It took years for any of that money to flow to municipalities because of the difference between a problem statement and actual solutions that are ready to go. That is something that has to be refined so as funding becomes available, you have to be ready to use it. Mr. Raser said that was the case with many original plans. A lot of the projects were more general in nature. He reviewed the different types of funding programs available.

Mr. Raser said with the plan update, in addition to natural hazards, they looked at man-made hazards that could impact the region and he reviewed a list of all the hazards in the plan. FEMA doesn't require a plan to include man-made hazards, but they encourage it. The most important part of the update is the mitigation strategies. He explained the different types of actions that can be considered by a municipality. With the update, each county and municipality has their own chapter or annex. Each annex includes risks, vulnerabilities, capabilities and strategies specific to the jurisdiction. They have had mostly good participation on the creation of the annexes. They have provided assistance to municipalities as much as possible, but they are supposed to be completed by the municipality. About 20% of municipalities have not provided any information.

The next step is to provide a draft of the plan (minus the annexes) to PEMA and FEMA for a prereview next Wednesday. By the end of the year, they would like to finalize the plan and submit it to FEMA for final review and approval. It is important to get this done because a number of municipalities have submitted applications for mitigation funding for Hurricanes Irene and Lee, but the current plan has expired. The counties have to decide what to do about those municipalities that are not participating. They can sign on at a later time if they want to.

Mr. Howells asked if a community that does not participate in the updated plan harms the region. Mr. Raser said it does not harm the region's ability to get a plan. He said this is a multi-jurisdictional plan. It covers the counties and municipalities. We generally do multi-jurisdictional plans because of the efficiency in the planning process. He said the Lehigh Valley will likely have a plan that will include the two counties and a large percentage of the municipalities. The ones that don't participate will be dropped, but that won't affect the ones that do participate. Ms. Morgan asked if Commission members could get a copy of the presentation. Mr. Raser said yes. Mr. Repasch asked what role this mitigation plan plays in the sustainability project as it relates to climate change. Mr. Raser said they did include climate change considerations in this plan, not as a hazard in itself, but as an exacerbating factor with things like flooding because of increased rainfall. Mr. Reese said under the sustainability project we will have a climate change plan, but we don't know what the elements of that will be yet. We are doing background research on that now to see what we might add to our Comprehensive Plan. Mr. Elliott asked if the 75% federal, 25% local match was applicable to all the different types of mitigation actions. Mr. Raser said yes, but there are some activities that will be self-funded like public education. Many of the initiatives in the plan might be selffunded. Mr. Raser said they tried to point out the projects that are grant eligible that can be funded and are cost effective. Mr. Elliott asked if there is a funding cycle. Mr. Raser said congressionally funded grants are available every year. The funding cycle opens up in June and closes around December. The Hazard Mitigation Grant Program (HMGP) is a disaster driven grant program. Every time there is a declared disaster, an HMGP grant pool opens up. The announcement of available funds is about six months after the disaster. Then you have six months to apply for funds and the state has six months to approve it. Mr. Herman asked if funding is competitive. Mr. Raser said it is competitive in the sense that if you only have \$10 million of HMGP money available in the state and there is \$30 million in projects, obviously they can't fund them all. Generally after a declared disaster the state asks for a letter of intent from the communities that want to submit an application for a project. The state evaluates them and looks at which ones would be cost effective. If they think it's fundable, the community will be asked to fill out an application. Mr. Elliott asked if only municipalities can apply or for example, can a public utility apply. Mr. Raser said public utilities can apply but they generally apply through the municipality where their facility is located. The law is written that a utility or authority is actually a local government, as are school districts and any type of junior taxing authorities. Mr. Dougherty asked if you have a municipality that won't put any money into purchasing flood prone properties is there any way around that. Mr. Raser said it's not mandated that a community provide the 25% match to purchase a property. He said it's reasonable to expect a homeowner to put up the match if they are elevating their home. But when it comes to acquisitions, it is hard to find an owner who is willing to take \$.75 on the \$1.00 for the purchase of their property. The state might have some type of open space funding that could be used for that purpose.

Reviews

Mr. Repasch said there are three summary sheet items on page 7 of the agenda attachments. Mr. Repasch made a motion to approve the comments. Mr. Howells seconded the motion. The motion carried.

Transportation Committee - None

OLD BUSINESS

Status Report on HUD Sustainability Project

Mr. Reese said we now have a consultant for the project, RKG Associates from Alexandria, Virginia, under contract. They are going to come three or four days at a time to make as many contacts with people and committees as they can. They were up here on November 14 - 16 and met with a variety of people including Mr. Glennon, Mr. Herman, Ms. Savage and Mr. Marcus. They also met with Ms.

Feinberg and Ms. Sywensky from the county offices, the three city planning directors, and Alan Jennings from CACLV. They spent a lot of time touring the Lehigh Valley. They are coming back December 17 - 19. We plan on having them talk to more of the housing advocates and infrastructure people. We will schedule as many meetings as we can during that period. We are also going to continue to work on updating the housing data report that was created in 2009. The report will include four more years of data, 2009-2012. Hopefully in January we will have all of the data and can begin an analysis of the trends.

In addition, LVEDC, Renew LV and CACLV have held about 20 meetings for public participation and outreach throughout the Lehigh Valley to get the basic message out about the program. Also, the Commission and five other funded partners under this grant have agreed to participate jointly to purchase some advertising. Starting tomorrow on the Express Times' Lehigh Valley Live website there will be an ad for Envision Lehigh Valley. We want to make sure as many people as possible learn what this project is about and how to access information. Mr. Repasch asked how the meetings are being attended. Mr. Reese said they vary, some have had low attendance and some have had a good response.

NEW BUSINESS

Review of 2013 LVPC and Committee Meeting Schedule

Mr. Glennon said a copy of the proposed 2013 meeting schedule is included in the agenda packet. He asked Commission members to approve the meeting schedule. Mr. Wright made a motion to approve the schedule. Ms. Savage seconded the motion. The motion carried.

Election of Officers

Mr. Glennon said he understands the chair, vice chair and treasurer positions often run as two year appointments, but an election is still done annually. He asked Commission members if they wanted to appoint a nominating committee and vote on officers in December. Ms. Wright said she didn't see the need to have a nominating committee and made motion to elect the same slate of officers for next year with Matt Glennon as chair, Kent Herman as vice chair and Liesel Dreisbach as treasurer. Mr. Dougherty seconded the motion. The motion carried.

CORRESPONDENCE - None

EXECUTIVE DIRECTOR'S REPORT

Mr. Reese said we have a travel model that we maintain for the entire Lehigh Valley that estimates traffic volumes on all the main roadways. One of the things we need to have for this model for a variety of purposes is updated population and employment data at the small geography level. We have at the Commission level reviewed and approved the regional population and employment projections through 2040. We need to take those regional projections and boil them down to a much finer level – the traffic analysis zone. There are 473 of them in the two counties. We are working on this and will be bringing them to you in the next few months.

Mr. Repasch made a motion to adjourn the meeting. Mr. Glennon adjourned the meeting.

Submitted by, Kathleen Sauerzopf for Michael N. Kaiser Executive Director