

Appendix A

List of Critical Assets

Appendix A

Town of Deerpark Critical Asset Inventory List

Asset	Asset Name	Mailing Address	Physical Location	Phone
Police	Deerpark Police Department	P.O. Box 621 Huguenot, NY 12746	231 Rte 209 Huguenot, NY 12746	Emergency 845-856-4333
				Non Emergency 845-858-4529
Fire	Cuddebackville Fire Department	P.O. Box 285 Cuddebackville, NY 12780	15 State Rte 211 Cuddebackville, NY 12729	845-754-8421
Fire	Sparrowbush Fire District	P.O. Box 530 Sparrowbush, NY 12780	79 Main St. Sparrowbush, NY 12780	845-856-5047
Fire	Huguenot Fire District	P.O. Box 195 Huguenot, NY 12746	431 Rte. 209 Huguenot, NY 12746	845-856-1606
Hospital	Bon Secours Community Hospital		160 East Main St. Port Jervis, NY 12771	845-858-7000
EMS	Port Jervis Volunteer Corp	P.O. Box 133 Port Jervis, NY 12771		845-856-3033
EMS	Regional EMS	38 Rte. 9 Fishkill, NY 12524	8 Fairfax Ave Middletown, NY 10940	845-343-2345
Highway	Deerpark Highway Garage	P.O. Box 621 Huguenot, NY 12746	420 Rte 209 Huguenot, NY 12746	845-856-1233
School	Port Jervis High School		10 Rte. 209 Port Jervis, NY 12771	845-858-3100
School	Port Jervis Middle School		118 E. Main St. Port Jervis, NY 12771	845-858-3148
School	Anna S. Kuhl Elementary School		10 Rte. 209 Port Jervis, NY 12771	845-858-3135
School	Hamilton Bicentennial Elementary School		929 Rte 209 Cuddebackville, NY 12729	845-754-8314

Day Care	Children's Safe Stay, Inc.		2 Corso Road Rts 42&97, Sparrowbush, NY 12780	845-858-4923
Transportation	Deerpark Senior Shuttle		192 Rte 209, Port Jervis, NY 12771	845-858-2409
	Summit Research Labs	P.O. Box F	15 Big Pond Road Huguenot New York, 12746	845-856-5261
	Huguenot Hardware	P.O. Box 328 Huguenot, NY 12746	255 Rte 209 Huguenot, NY 12746	845-856-0334
Excavation	Sauschuck Maintenance and Backhoe		26 Hook Rd Sparrowbush, NY 12780	845-856-7546
Excavation	Somarelli Trucking		74 Martin Rd Huguenot, NY 12746	845-856-4035
Excavation	Vicchiariello Excavating		Upper Brook Rd. Sparrowbush, NY 12780	845-856-2812
Excavation	Peenpack Sand & Gravel		Peenpack Tr. Port Jervis, NY 12771	845-856-6726
Housing Mass Accom.	Comfort Inn		22457 Greenville Tpke Port Jervis, NY 12771	845-856-6611
Mass Feeding	Elks Lodge		32 Rte 6 Port Jervis, NY 12771	845-856-7100
Mass Feeding	Dragon Springs		Gurda Rd. Cuddebackville, NY 12729	
Towing	Cuddebackville Service Center		Rte 209 Cuddebackville, NY 12729	845-754-8815
Towing	Brim Recycler	Rt 211 Cuddebackville, NY 12729		845-754-0872
Towing	Tenke's Garage & Body Shop		Rte 209 Godeffroy, NY 12729	845-754-8906

Towing	Hockenberry's Garage		47 Upper Brook Rd Sparrowbush, NY 12780	845-856-1223
Towing	Muller's Auto Body		416 Rt. 97 Sparrowbush, NY 12780	845-856-1810
Towing	Eckes Auto Body		787 St Rt. 42 Sparrowbush, NY 12780	845-856-2302
Oil Supply	Deerpark Oil		65 Darraugh Lane Sparrowbush, NY 12780	845-856-6565
Provisions	Odell's Gas Station and Mini Mart		1015 Rte 209 Cuddebackville, NY 12729	845-754-7541
Provisions	Try-R-Deli		437 Rte 209 Huguenot, NY 12729	845-754-7541
Provisions	Deerpark Grocery Inc		195 Rte 209 Huguenot, NY 12746	845-858-2552
Provisions	Gamo's Country Store		32 Main St Sparrowbush, NY 12780	845-856-8622

Appendix B

Press Release, Meeting Announcements, and Minutes

Port Jervis and Deerpark create all-hazard mitigation plans

Published: 2:00 AM - 08/28/09

Port Jervis — A little late for reading at the beach, but important nonetheless:

The City of Port Jervis' All-Hazards Mitigation Plan, a document that had to be created so that the city can qualify to get "federal pre-disaster mitigation grant funding" from FEMA, is available for perusal on the city Police Department Web site, www.portjervispolice.com.

The detailed plan addresses a variety of potential natural hazards that could affect some or all of the city's residents.

"Our city staff, municipal representatives, and community liaisons have collaborated to create this draft plan," said Jack Farr, assistant DPW director. "Now we're offering our residents the convenience of commenting online."

The goal of the plan is to identify projects that can reduce damages from future natural hazards. The plan includes a risk assessment and a hazard-mitigation strategy.

The primary hazard in the City of Port Jervis is flooding, but other potential hazards that were analyzed include drought, extreme temperatures, severe storms, severe winter storms and earthquakes.

The study focused on existing and future buildings, infrastructure and critical facilities that might be impacted.

For more information, call Farr, 858-4000.

Deerpark's got one, too

In neighboring Deerpark, the Deerpark Hazard Mitigation Plan Team has scheduled a public information session about its plan for 7 p.m. Sept. 10 at Deerpark Town Hall.

Like Port Jervis, the town received grant funds, through the state Emergency Management Office, to develop a hazard mitigation plan. The local plan team has been working with Barton and Loguidice, an engineering and planning firm, to develop the town's plan.

"Residents are encouraged to attend this meeting, learn of progress that has been made and to provide input to the plan team," said Town Clerk Flo Santini.

For more information, call Glenn Gidaly, senior project manager for Barton and Loguidice, at 647-4408.

Announcements

Published: 11:50 AM - 01/14/10

Last updated: 12:02 PM - 01/14/10

Send nonprofit announcements,

two weeks in advance,

to pjgazette@gmail.com.

ELKS HOOP SHOOT

SATURDAY at PJHS

The 38th annual Elks Hoop Shoot national free-throw shooting contest for youngsters ages 8-13 is scheduled for Jan. 9 at Port Jervis High School. The snow date is Jan. 16.

More than 3 million youngsters across the country entered last year's competition for boys and girls in age categories 8-9, 10-11 and 12-13.

Each contestant has 25 shots. The boy and girl in each age group with the best scores advanced through four tiers of competition to qualify for the national finals at the Springfield Civic Center in Springfield, Mass.

Local winners will compete against other contestants in a district event Jan. 23 in Port Jervis.

PJ Little League

sign-up dates

The Port Jervis Little League will conduct 2010 season sign-ups Jan. 8-Feb. 21.

Players can sign up at Lillian Bell Field, the league's home in the city's West End, between 7 and 9 p.m. Fridays, between 10 a.m. and 2 p.m. Saturdays and between 1 and 3 p.m. Sundays.

Anyone who isn't able to get to the field during those hours can sign up at Sam & Mabel's store, at the corner of West Main and Ferry streets, whenever it's open.

All returning major division boys and girls must sign up before Feb. 1 — or they will lose their spot in the major division and have to try out again.

Any player who wants to try out for the major division also must sign up before Feb. 1, so they can reserve a spot in the February tryouts.

SNOW TUBING

FIELD TRIP JAN. 29

The Port Jervis Recreation Department is sponsoring a snow tubing field trip to nearby Fernwood Resort in Bushkill on Jan. 29. The cost is \$25 per person, including transportation.

A bus will leave the Youth Center on Pike Street at 5 p.m. and return about 9:30 p.m.

No experience is necessary. Participants under age 18 MUST have an adult chaperone with them.

For more information or to buy tickets, call the Recreation office, 858-4045, or e-mail pjrec@frontiernet.net.

Join the Pike County Choral Society

The Pike County Choral Society invites singers to rehearse with the group at 7 p.m. Mondays for its May 22 performance of Mozart's "Requiem." Rehearsals are at the First Presbyterian Church of Milford, 300 Broad St. (enter on West Ann Street). For more information, call 570-775-9436.

Prenatal classes

at Bon Secours

Bon Secours Community Hospital, 160 E. Main St., Port Jervis, has scheduled a series of free prenatal classes for expectant parents.

Class size is limited. Preregistration is required; call 858-7178.

The schedule:

- Orientation and tour, Jan. 13
- Lamaze overview, Jan. 20
- Nutrition and C-section review, Jan. 27
- The normal newborn, Feb. 3

All classes will be held at 7 p.m. in the hospital's first-floor conference room.

A special sibling's class will be held at 6:30 p.m. Jan. 19 in the Maternity Department.

Special education roundtable at DV

Parents of special education students in the Delaware Valley School District are invited to a roundtable meeting from 7-8 p.m. Jan. 12 in the Shohola Elementary School Library.

Questions can be directed to Maria Farrell, supervisor of special education, at 570-296-1810, or Diana Bixby, assistant principal, at 570-409-2032.

Editor's note: An announcement in last week's Gazette about two roundtables happening this month was printed in error; the school district inadvertently issued the wrong press release; the above information is correct.

MINOR CHANGE TO PJ SCHOOL CALENDAR

Port Jervis elementary and middle school students will get two days off in May, so that their teachers can grade state tests students will take this spring. The change is being made to accommodate a state testing schedule that was announced after the school calendar was approved.

Here's what's happening:

- On Feb. 1 and March 22, Port Jervis High School students will not have classes; PJHS teachers will attend school for training purposes. Students at Port Jervis Middle School, Anna S. Kuhl Elementary School and Nial A. Hamilton Bicentennial Elementary School will attend school as usual.
- On May 10 and 17, Port Jervis Middle School and both elementary schools will be closed to students. Elementary and PJMS teachers will be at school to grade tests and for other training purposes. PJHS will be open for both teachers and students.

For more information about the state testing schedule, visit pjschools.org.

DEERPARK RESIDENTS 'URGED' TO TALK ABOUT HAZARD MITIGATION

The Deerpark Emergency Management Office has scheduled a hazard mitigation plan meeting for 7 p.m. Jan. 13 at Town Building No. 2, 231 Route 209, Huguenot. "Residents are urged to attend to discuss methods to protect property and lives from such hazards as flooding, storms and ice jams," said Supervisor Karl Brabenec.

For more information, call Joyce Cirulli, town Emergency Management clerk, 649-4009.

Deerpark to hold meeting on hazard mitigation plan

By [Heather Yakin](#)

Published: 2:00 AM - 01/21/10

DEERPARK - The town Emergency Management Committee will hold its next meeting on the hazard mitigation plan at 7 p.m. Feb. 3 at Town Hall. The public is encouraged to attend.

A recent grant is funding the planning for coping with natural or man-made disasters.

For information, call town emergency management clerk Joyce Cirulli at 649-4009.

Committee in Deerpark to meet about hazard plan

By [Heather Yakin](#)

Published: 2:00 AM - 02/20/10

HUGUENOT — The Deerpark Emergency Management Committee will hold a public meeting to discuss the town's proposed hazard mitigation plan at 7 p.m. March 3 at Deerpark Town Hall, 420 Route 209, Huguenot.

The meeting is open to the public.

For more information, call Emergency Management Clerk Joyce Cirulli at 649-4009.

Hazard Mitigation Plan available for Deerpark

By **Stephen Sacco**

Published: 2:00 AM - 08/23/10

DEERPARK — Town residents will have a chance to review the final draft of the town's Hazard Mitigation Plan at 7 p.m. Sept. 1 in Town Hall.

The plan can be viewed on the town's website, www.townofdeerpark.org. For more information, call Joyce Cirulli at 649-4009.



TOWN OF DEERPARK EMERGENCY MANAGEMENT OFFICE

**KARL A. BRABENEC, TOWN SUPERVISOR
JOHN F. FLYNN, DIRECTOR**

NEWS RELEASE

NEXT HAZARD MITIGATION PLAN MEETING ON MARCH 3

For Immediate Release – Friday, February 19, 2010

(HUGUENOT, NY) – The Deerpark Emergency Management Committee will have its next Hazard Mitigation Plan meeting on March 3, 2010, at the Deerpark Town Hall at 7:00 pm. Members of the public are encouraged to attend to give input on the proposed plan. For more information, please call Joyce Cirulli, Deerpark Emergency Management Clerk at (845) 649-4009.

-30-

420 U.S. ROUTE 209 – PO BOX 621, HUGUENOT, NEW YORK 12746
PHONE – 845-856-2210, Ext. 1 **FAX** – 845-856-0935 **E-MAIL** – jcirulli@townofdeerpark.org

Emergency Management Meeting January 2, 2008

The Deerpark Emergency Management Committee met for their regular meeting on Wednesday, January 2, 2008, at the Deerpark Town Hall and was called to order at 7:30PM by Director of Emergency Management for the Town of Deerpark, Jack Flynn.

The following people attended:

- Jack Flynn Director of Emergency Management, Town of Deerpark
- Gary Flieger Supervisor, Town of Deerpark
- TJ KLalin – Chief, Huguenot Fire Department
- Robert Cromie Deputy Director of Emergency Management, Town of Deerpark
- Fred Ladika Representative from Regional EMS
- Lee Holbert Representative form American Red Cross/Orange & Sullivan
- Joyce Cirulli Secretary Emergency Management Town of Deerpark

The secretary read the minutes from the October 3, 2007 meeting.

A motion was made by Bob Cromie and seconded by Fred Ladika to accept the minutes of the October 3, 2007 meeting after a correction was made to read At the September meeting of the Matamoras Emergency Management (Pike County) it was discussed that with the gridlock on 84 etc. It was approved by all.

There were no correspondence.

OLD BUSINESS:

ID TAGS

The ID Tags for the year 2007 were completed, however, they need to be updated for the year 2008. Also, Gary and Lee will need to have their picture taken for ID Tags.

Mitigation Plan

Jack has spoken to Nadine concerning our Mitigation Plan and she would like to have a meeting with Jack, Joyce and Gary to discuss the matter further. Jack will set a date up for this meeting.

NIMS

Jack informed Gary that he, as well as some Town employees will need to be NIMS compliant. A file will be set up in the Emergency Management section for a copy of all certificates for the people on the committee as well as Town employees who have completed this certification. It was suggested that all committee members bring copies of their certification to the next scheduled meeting. Joyce suggested

that Gary send out a memo to all Town employees who have their NIMS classes completed to send a copy to his office.

Bob suggested that we check with Keith Borkenhagen to see if he is qualified to teach NIMS 400, and if so, could he teach the committee and any other people who are interested. Joyce will check on this.

Pet Plan

The problem was discussed again regarding the situation of pet safety during a Declaration of a Town Emergency. Lee and Jack attended a meeting concerning this matter. Jack attended a full day SEMO meeting and stated the feeling he got was that there has been no solution to this problem as yet. Gary said that they make gates that can be made into temporary sheltering for animals. The gates can be zip locked to make cages of any size. He suggested that we contact the Humane Society as see if they would be willing to do a fund raiser and be able to store these if Gary can purchase them. The sizes of the gates that can be purchased vary from about 3 feet to 10 feel long. Joyce and Jack will follow up with this suggestion.

Staging off RT. 84 in time of emergency

Fred and Jack have been to a few meeting concerning the passage of people into Deerpark and Port Jervis during a declared emergency. There were some suggestions there would be a staging area in Greenville by the Town Barn, along with one in Matamoras on Rt. 6 and the Grand Union in Milford. The Nursing Home adjacent to the Delaware Valley School on Route 6 is looking into providing a small van to assist in transport of individuals from these sites. They are still looking into when this will be done. It was also discussed that maybe placards could be provided to key personal that would need to get to work in these areas.

Cell Phone Tower

Cuddebackville Fire Department is still looking into getting a cell tower. We do not know if the town is still interested in having one installed.

HBE PTA meeting

There was a meeting on how to prepare for a disaster of several scenarios . People were provided with handouts for each situation. It was received well and we did receive good feedback. Joyce thanked the people who attended. Jack has also received inquiries as to if we would do this again at different locations. He will get back to us on that.

Bridge Updates

Joyce asked Bob if he would please find out about the bridge request for inspection and repair that is on Oakland Valley Road. He said he would look into this. Gary will check with the Highway department on the situation with Giffen Road (road graded or changed for easier access).

Water level in the D & H Canal

The water in the canal has been very low. Gary has been working on this and will follow the progress and keep the committee informed.

Regional EMS

Fred informed the committee that Regional is still looking at the possibility of subsidizing a unit to be used exclusively for the Town of Deerpark and Port Jervis area. Port Jervis did not agree with this, but Regional is going to go back and propose the idea again. Deerpark has the proposal and it is being looked into. Fred will keep the committee informed on the progress of this subsidizing.

NEW BUSINESS:

FEMA flood Mitigation Map

This map needs to be looked into carefully. Bob Emerson has this map and a copy will need to be put into our Mitigation Plan. When the map is approved by the Town we will get a copy to put in our Mitigation Plan.

Updated Emergency Management Committee list

Joyce passed out the call down list and name and address list to be updated and distributed at our next scheduled meeting.

The next meeting

The next scheduled Emergency Management Meeting will be **on Wednesday, April, 16, 2008**, at 7:00PM at the Town of Deerpark Town Hall.

With no other old or new business to discuss, there was a motion made by Jack Flynn, and seconded by Bob Cromie to end the meeting at 9:00PM.

Plan Team Meeting #1:– July 1, 2009

The Deerpark Emergency Management Team met for their regular meeting on Wednesday, July 1, 2009, at the Deerpark Town Hall and was called to order at 7:00PM by Director of Emergency Management, Jack Flynn. The following people attended:

- Gary Flieger – Town of Deerpark Supervisor
- Jack Flynn – Director of Emergency Management – Chief Sparrowbush Engine Company
- Lee Hulbert – Representative from Orange Sullivan Red Cross
- Fred Ladika – Representative from Regional EMS
- William Werner – Chief of Police Town of Deerpark
- Edward Hughson – Town of Deerpark Highway Supervisor
- T.J. Kalin – Chief Huguenot Fire Department
- Joyce Cirulli – Secretary Emergency Management
- Glenn Gidaly – Representative from B&L

B&L organized and moderated the meeting. The purpose of the meeting was:

- to review the Town's Critical asset inventory that was prepared by B&L and rank them in importance and make recommendations for additional information.
- to obtain information from those present concerning community assets and photos
- to present the maps prepared to date, and solicit feedback on needed revisions: flood map, emergency facility map and others.

Jack Flynn, the Director of Emergency Management, Sparrowbush Engine Co. was instrumental in identifying assets, and acting as a liaison to NYSEMO.

Plan Team Meeting #2:– August 5, 2009

The following individuals attended the second meeting. Of particular note, the Plan Committee was joined by representatives from the Orange County Emergency Management Office, the NYS SEMO, and the American Red Cross. The Orange County representative was present to ensure that the Town Plan is in concert with the County Plan.

- Lee Hulbert American Red Cross
- Bill Werner Deerpark Town Police
- John “Jack” Flynn Deerpark Emergency Mgt
- Fred Boehm Huguenot Fire Department
- Eugene Lucchese Regional Trainer, NY SEMO
- Gary Flieger Deerpark Town Supervisor
- Dominick Greene Orange Co Hazard Mitigation
- Karl Brabenec Deerpark Town Board
- Viola Sinsabaugh Deerpark Town Board
- Glenn Gidaly Barton & Loguidice

Eugene Lucchese, NYSSEMO, presented the required Hazard Information Ranking & Assessment process. (HIRA-NY) This is a computerized process that seeks input from the Plan Team on identifying and prioritizing local hazards. The hazards that the Team decided to discuss and rank are listed below. They were given a numerical ranking. SEMO planned to forward a digital HIRA-NY file for the Town’s records and incorporation into the Hazard Mitigation Plan.

- Severe storms
- Dam failure
- Drought
- Earthquake
- Fire
- Flood
- Hazard Materials (fixed site)
- Hazard Materials (transit)
- Hurricane
- Ice Jam
- Terrorism
- Tornado
- Transportation Accident
- Utility Failure
- Wildfire
- Winter Storm

Public Information Meeting #3:– September 10, 2009

The September meeting served as the first Public Information Session to be held on the development of the Plan. Notice of this meeting was placed in local newspapers and was presented on the Town web site.

The following individuals attended the second meeting:

- Joyce Cirulli Town of Deerpark Emergency Mgt
- John Flynn Town of Deerpark Emergency Mgt
- Chris Parlman Cuddebackville FD
- Gary Flieger Town Supervisor
- Ed Hughson Town of Deerpark Highway Superintendent
- Dominick Greene Orange County Hazard Mitigation
- Fredrick Ladika Regional EMS
- Gary Spears Town of Deerpark Town Council
- Sue Murphy Resident
- Bill Werner Town of Deerpark Police Department
- Gene Lucchese NYSEMO
- Glenn Gidaly Barton & Loguidice

The meeting included a Power Point presentation that outlined the following:

- Background information on the goals and objectives of Hazard Mitigation Planning,
- The process the Town will be using to develop the Plan,
- A summary of work that completed to date,
- An overview of the Hazard Analysis that was completed with SEMO, and
- Information regarding work tasks that remain to be completed.

Gene Lucchese of NYSEMO reminded the group that Hazard Mitigation Plans are not static. The Plans are designed to be, and must be, updated in a 5 year cycle. There may be funds available in the future to assist in accomplishing these updates.

Dominick Greene, a representative from the Orange County Department of Emergency Management, wanted to know which mitigation measures we would be looking at to include in the Plan. He mentioned that the re-location of targeted homes might be needed.

There was discussion concerning the Myers Grove area and a culvert that is needed near a campground by the Guymard Turnpike.

Dominick Greene mentioned that there are new Federal regulations that require all Plans to be inter-connected. As such, we need to pay attention to the Orange Co Plan and the Port Jervis Plan.

There was discussion concerning county-owned roads that lie within the Town of Deerpark. In particular, the Rte 42 Bridge is in poor shape.

Sue Murphy stated that she has photos from previous flood events and would be willing to share them.

Plan Team Meeting #4:– December 2, 2009

The Deerpark Emergency Management/Hazard Mitigation Committee met for their regular meeting on Wednesday, December 2, 2009, at the town Hall and was called to order at 7:00PM by Secretary of Emergency Management, Joyce Cirulli.

The following people attended:

- Jack Flynn — Town of Deerpark Director of Emergency Management
- Gary Flieger — Town of Deerpark Supervisor
- Gene Lucchese — NYSEMO R2 Regional Planner
- Lee Hulbert — American Red Cross Local Coordinator
- Carl Van-Horn — First Assistant Chief, Sparrowbush Fire Department
- TJ. Kahn — Chief, Huguenot Fire Department
- Ed Hughson — Town of Deerpark Highway Supervisor
- Karl Brabenec — Town of Deerpark Supervisor Elect
- Glenn Gidaly — B & L Planner
- Bill Werner — Town of Deerpark Chief of Police
- Fred Ladika — Regional EMS Captain
- Joyce Cirulli — Secretary Emergency Management Town of Deerpark

The minutes from the November 4, 2009 meeting were read by the secretary and a motion was made by Bill Werner and seconded by Ed Hughson to accept the minutes as read. It was approved by all. The notes from the November 18, 2009 work session were also read.

Joyce Cirulli asked the members to please provide phone/cell numbers and e-mail addresses so the member list can be updated and reminder calls can be made prior to any meetings.

Glenn Gidaly informed the committee that we still need more outreach to include a discussion of the opportunity provided to neighboring communities, government agencies, businesses, academia, and other relevant private and other non-profit interests to be involved in the hazard mitigation planning process. This is to be accomplished by a letter that will be sent from the Town, signed by Jack to invite them to our January or February meeting. There were also flyers handed out by Joyce, Karl, and Flo to various deli's, fire departments, and post offices in our community to invite the public to attend our December 2, 2009 meeting. It was decided that these flyers will be distributed before each meeting.

Gene suggested that a survey of what the public would like to see put in the HMP be put on the website and then the committee would have some more public input. Glenn asked him if he had a sample survey form to send him. Gene said he would be glad to get one to him.

Karl Brabenec also informed the committee that he contacted Cable 6 News, the Times -Herald Record, Midhudsonnews.com, and Pike County Press & Port Jervis News to make the public aware of our December meeting. Our meeting will also be publicized on the Town website.

It was also suggested at this time that Pike County should also be invited to our meetings. This will be done.

At this time Glenn Gidaly showed the committee a map of our local emergency facilities along with the 500-year and 100-year flood zone. He had the committee look at the map to see if there were any problematic areas. It was noted that in the past none of these facilities were ever flooded, so it was felt that flooding would not be a problem for any of the emergency facilities in our area.

Glenn handed out a draft of the initial Town of Deerpark Hazard Mitigation Plan to each member, and asked that everyone go through it and if you have any concerns, changes, or additions, please bring them to the next meeting. If anyone did not get a copy of this, please let Joyce know, as soon as possible, so that one can be given to you.

Glenn Gidaly distributed to each member 12 maps that will also be included in the Town of Deerpark Hazard Mitigation Plan. Please review these maps and if you have questions or concerns regarding these maps, please bring them to the January meeting.

Next Glenn Gidaly handed out the Deerpark Hazard mitigation Plan Local Data Required sheets (2 Pages). There is a lot of information missing on this page. He asked that the members look at this and fill in the blanks and get it back to Joyce as soon as possible so we can meet and make some of these changes. As soon as you attach materials required on these two forms, please put them in the

Emergency Management Box at the Town Hall or call Joyce so she can make arrangements to get them. Then a meeting will be set up with Glenn to discuss and make these changes to the Plan.

Gary Fleiger provided a report on the 2005 flood that was very detailed. B&L will review this and add it on to the HMP. This report should help identify areas that may need new culvert pipes, or possibly a new road, etc. What would the potential solution to correct these problems be? All of this data should be noted in the HMP so that in the future, the projects listed in the HMP may be eligible for funding, but any problems areas must be specifically mentioned in the HMP.

Glenn mentioned again how important it is that planning, zoning and code enforcement representatives attend our meetings so that they can provide input to the plan. Many areas of the HMP require their input.

Jack will speak to the Building Inspector and letters will be sent requesting them to attend the next Emergency Management/Hazard Mitigation meeting and subsequent meetings after that.

Glenn gave Joyce a chart that needed to be filled out by the assessor. Joyce will have a meeting with the assessor and work on getting this form filled out. Gene suggested that we go a step further and find out what future plans might be added on to this. For now we will start with the core information and then have a meeting with the planning board, zoning board, and the Building Inspector to discuss further building plans for the Town of Deerpark.

Glenn asked the Highway Supervisor (Ed) if they could get together and ride through the Town to look over some of the problem areas and bridges that may be in need of repair so they can also be added on to the HMP specifically for future funding for repair or replacement. They will meet on December 16, 2009 to do the drive through.

Glenn said Gary gave him a letter from the DEC in relation to the Port Jervis Reservoir, dam #2. Gary stated the DEC is doing dam studies. Gary suggested that Glenn contact the person who wrote the letter and get more information about this and perhaps some of the information can be put in the HMP.

It was suggested that Glenn give another Power Point Presentation to the public to let them know how far the committee has come on the HMP. The Power Point Presentation Is tentatively sent for the February meeting.

Gary informed the committee that he is in the process of applying for a grant that will upgrade the fuel storage that the Town has and the way it is disbursed. A generator is also included in this grant so that fuel can be disbursed at any time. The generator will also be able to work the Town Building in an emergency.

The prospective date for our next Emergency Management/Hazard Mitigation Plan meeting will be Wednesday, January 13, 2010, at Building number 2, located at 231 US Rt. 209 Huguenot, NY. Time of the meeting will be 7:00PM.

With no other business to discuss, there was a motion made by Jack Flynn and seconded by Fred Ladika to end the meeting at 8:15PM.

Plan Team Meeting #5:– January 13, 2010

The Deerpark Emergency Management/Hazard Mitigation Committee met for their regular meeting on Wednesday, January 13, 2010, at Town Building number 2, and was called to order at 7:00PM by Director of Emergency Management for the Town of Deerpark, Jack Flynn.

The following people attended:

- Jack Flynn – Town of Deerpark Director of Emergency Management
- Karl Brabenec – Town of Deerpark Supervisor
- Glenn Gidaly – Barton Loguidice Planner
- Carl W. Van Horn – Assistant Chief Sparrowbush Engine Company
- Lee Hulbert – American Red Cross Local Coordinator
- Frederick Ladika – Regional EMS Captain
- Gene Lucchese – NYSEMO R2 Regional Planner
- William Werner – Town of Deerpark Chief of Police
- Keith Borkenhagen – Committee Member
- Robert Emmerson – Town of Deerpark Building Inspector
- Chris Parlman – Chief Cuddebackville Fire Department
- Chris Sibilia – Captain Cuddebackville Fire Department
- Gary Spears – Town of Deerpark Councilman
- Edward Hughson – Town of Deerpark Highway Supervisor
- Phil Chase – Town of Deerpark Rep to Upper Delaware Council
- Dave Hoovler – Town of Deerpark Councilman
- Joyce Cirulli – Town of Deerpark Emergency Management Clerk

The minutes from the December 2, 2009 meeting were read by the EM Clerk and a motion was made by Bill Werner and seconded by Ed Huguson to accept the minutes as read. It was approved by all.

Glenn informed the members that he did get together with Ed Hughson and Karl Brabenec to do a sight tour through the Town to find out what roads are in need of repair due to frequent flooding. He handed out note sheets of roads to be pre-identified in the Mitigation Plan for problematic roads in need of repair. If these projects are pre-identified in the Mitigation Plan, they could be eligible for grant money for their repairs. A copy will be added to the January 13, 2010 minutes.

Joyce gave Glenn a dices from the 2005 flooding that he will use in the Mitigation Plan.

Glenn also met with Phil Chase to discuss reservoir water levels and water release issues.

Joyce informed the committee that she did meet with the Town Assessor and fill out the forms for total property value required for the Plan. These forms were given to Glenn prior to this meeting.

Joyce informed the committee that this meeting was also publicized through the media and leaflets handed out to local businesses and post offices.

At this time Jack discussed the Deerpark Hazard Mitigation Plan Local Date Required sheets that Glenn gave the members at our last meeting. Glenn did a lot of research on this and he felt he might have to meet with some of the members at another date to get the rest of the information that he will need for this.

Jack discussed some of the Hurricanes in the past that had a great impact on the community. These storms caused great damage to our area so this will be discussed in depth at a later date.

Some of the train accidents were discussed and what damage they did to our area. These are incidents should be mention in the Mitigation Plan. It was mention that there are also unprotected crossings ie: Eddy Farm and by the Number 2 Bridge. These things should also be listed as potential hazards in the Mitigation Plan.

Jack informed the committee that the Pipe Line is working on a big expansion to the K line. When this is complete, it will be another thing that will be considered a potential hazard to the community which should also be included in the plan. There could be a possibility of a rupture or pressure break in any of these pipes.

Jack made the committee aware that there is a possibility of ice jamming at this time of the year because of the weather conditions.

Carl Van Horn discussed the 1997 April 1st snow and ice storm that left may area residents without power for approximately four day and roads were closed for two days. Traffic had to be diverted on some roads that were not used to that much heavy traffic. It was discussed that looking into expansion of these roads take place and Ed Hughson said they were working on that. It was suggested that Glenn put some of these problematic roads (Galley Hill Road, Hawks Nest, Old Cahoonzie Road, Hoag Road, County Route 61, and Port Orange Roads) be listed as such in the Mitigation Plan. Glenn said he would go over some of this material with some members of the committee at a later date.

Glenn informed the committee that the draft of the Mitigation Plan should be done by the end of February.

Glenn handed out a packet of press releases regarding different fires, floods, and accidents that have happened in the Town of Deerpark in the past several years. This is all information that is also needed in the Hazard Mitigation Plan. It can be read at your convenience.

Glenn also mentioned that he has been working on the National Climatic Data Center Profiles that need to be addressed in the Plan. They go back to 1950 and if anyone has any information prior to that, please let Glenn know. All of these hazards have been looked at and analyzed to be incorporated in the HMP.

Karl has been working on getting the machine and the camera ready so that the committee can come in to have their ID Tags made. He is hoping to get this done in about two months. He did however; get the e-mail process set up so Jack and Joyce have e-mail in the Town of Deerpark registry.

Jack discussed the placards again with the committee, and it was decided that the placards would be handed out at the next regular meeting that will probably take place in March 2010.

Joyce explained the time sheets for in-kind services. New Board members were given the time sheets so they can fill them out and turn them in monthly.

Bill Werner asked Gene about volunteer firefighter times spent on Hazard Mitigation. Gene will look into this and find out if we can put in these hours for in-kind services.

Joyce and Jack are going to meet and get outreach letters inviting local businesses, other emergency management directors, Quality Bus, Port Jervis School District, etc to our Mitigation Plan meetings. This will be done before our next meeting so the invitation will include the power point presentation.

Phil Chase had some input about the Delaware River Basin River Commission. They are in charge of our watershed, which includes our Delaware and Neversink River reservoir. However they won't make any decisions that would affect NYC's reservoir. One negative vote and any resolutions do not take place. NYC is in charge of the RBC's watershed. Phil read an article that stated flood control wastes too much water. But not releasing could cause major flooding in our area if water levels are maxed out. They are hoping to resolve some of these problems.

Karl informed the committee that on Monday evening at the Town Board Meeting Councilman Hoovler proposed a resolution #7 which is basically a warning out to

NYC about the high levels of our reservoirs. It was passed 4-0. A release will be sent out to the county and NYC and anyone else it would effected. Mr. Hoovler stated that Port Jervis is going to pass the same resolution. He has shared it with a few surrounding towns also.

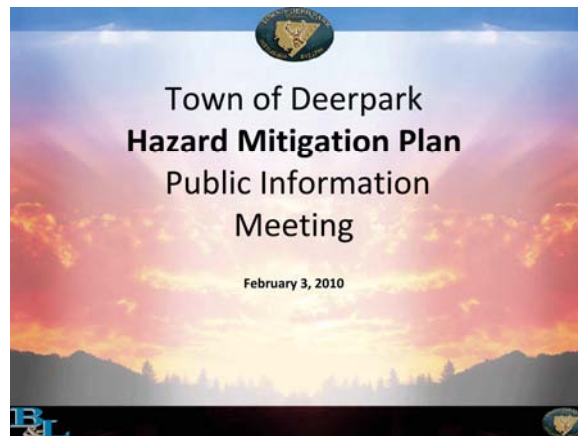
Bill Werner was wondering if our next meeting, that would include Glenn's power point presentation, could be televised. Glenn will contact a reporter from the Times Herald Record and see if the Town could get any coverage. Karl will check and see if it could be televised.

Gary Spears said he would announce the Emergency Management Public Presentation at the February 1st Board Meeting so more public would be aware.

The prospective date for our next Emergency Management/Hazard Mitigation Plan meeting will be Wednesday, February 3, 2010, at the Town Hall, at 7:00PM. That meeting will be the Power Point Presentation and the next regular business meeting will be March 3, 2010.

With no other business to discuss, there was a motion made by Jack Flynn and seconded by Bill Werner to end the meeting at 8:15PM.

Public Information Meeting – February 3, 2010



The Deerpark Emergency Management/Hazard Mitigation PowerPoint presentation began at 7:00PM, Wednesday, February 3, 2010, at the Town of Deerpark Town Hall.

The following people attended:

- Jack Flynn – Town of Deerpark Director of Emergency Management
- Karl Brabenec – Town of Deerpark Supervisor
- Glenn Gidaly – Barton & Loguidice Planner
- Carl W. Van Horn – Assistant Chief Sparrowbush Engine Company
- Lee Hulbert – American Red Cross local Coordinator
- Gene Lucchese – NYSEMO R2 Regional Planner
- Richard Szttyndor – Lieutenant - Town of Deerpark Police
- Brian Schneider – Rep. Columbia Gas
- Michael Martucci – Quality Bus
- David Dean – Town of Deerpark Councilman
- Gary Spears – Town of Deerpark Councilman
- Linda Kozak – Summit Research Labs
- Tony Buzzelli – Summit Research Labs
- Gene Reynolds Orange and Rockland Sv. Spec. Emergency Management
- Phil Chase – Town of Deerpark Rep to Upper Delaware Council
- Edward Hughson – Town of Deerpark Highway Supervisor
- Thomas Vicchiariello - City of Port Jervis Director of Emergency Management
- Joyce Cirulli – Secretary/Clerk Town of Deerpark Emergency Management

Seven others attended from the general public. Attendance sheet attached.

The meeting started with Glenn Gidaly giving a PowerPoint presentation on the progress of the Town of Deerpark HMP. A copy of the presentation will be available on the Town of Deerpark's website

After the presentation the meeting was open to public comment. Some of the comments and concerns that were expressed were:

How were the Hazards rated? Glenn explained the rating system, which was also shown on the presentation.

There was also a question about land acquisition. Gene Lucchese explained that land acquisition is a mitigation act so if certain areas are identified as such in the HMP, FEMA can buy the land at the value of the property before the flood took place. Any other questions about land acquisition would have to be asked of FEMA. This question was a result of the DEC meeting with the Town of Deerpark Public in regards to changing some properties from flood plains to flood ways. Glenn explained that the purpose of this meeting was to show what hazards might be in the town that we could include in our plan. Glenn said he would address this problem in the HMP.

Another question arose concerning the Dam problems in the area. It was explained that some of these problems will be addressed in the HMP.

It was stated that there is a problem with flooding at the end of Nodingham Road where it connects with Old Cahoonzie Road. It was requested that area be added as problematic roads in the HMP. Glenn will make note of this.

Tom Vicchiariello stated that the Town should leave the Dam problems in the highest ranking of hazards in the HMP. Glenn will do that.

Gary Spears asked if both natural and man-made disasters were covered in this plan. Gene Luchesse stated that right now FEMA is looking at most natural hazards, but to include both in the plan as in the future FEMA will look at both kinds of hazards.

It was asked if it was possible that the Neversink River could be cleaned out of the debris since the flood of 2005 since there is more potential for flooding with all the debris in it. It was explained the DEC discourages any dredging because it will impede the natural flow of the river. If anyone attempts to clear out any debris, they could be in violation and be fined by the DEC.

Another question was asked about Earthquakes. It was felt that they should be a higher priority because there was an earthquake around 1990. Glenn will look into this and make changes where necessary. If anyone has any old articles concerning this, could they please get a copy to the Town of Deerpark Emergency Management?

This was the conclusion of the public portion of our meeting.

Other business that was discussed:

The minutes from the January meeting will be postponed until the March Meeting.

ID Tags: Karl did not have time this month to take care of this, but he will work on it for next month. He will give a report at our next regular meeting.

Glenn was asked to provide the Town with a copy of his PowerPoint presentation so it can be added on the website. He will do this.

Jack gave a presentation on the meeting that he recently attended in Orange County concerning some problems with the area Dams. He stated that emergency notification plans are to be done this year, and some will be done next year. The Dams appear to be reasonably stable, but the State DEC has decided to address these problems. They did have some Dams go out upstate and now they are concerned about the Dams in our area. The owners will have to come up with a plan on how they are going to make those emergency notifications.

Tom Vicchiereillo stated that the City of Port Jervis's Emergency plan for #2 is done and they are working on the plan for number 1 and 3. Tom stated that the DEC knew that the plan for #2 is complete. Jack suggested that Tom follow up on this because at the meeting, they seemed unaware that the City had done this.

Gary Spears notified the committee that at Monday nights meeting with the Town residents and the DEC, that some lands that were already classified as wetlands in the Federal System, would be reclassified as wetlands in the State system. The State system for wetlands have much more stringent requirements and also include a 100' buffer around each parcel of wetland. They are reclassifying 450 acres of wetlands, but with the surrounding lands, it makes it an additional 75 acres.

Gary also brought to the committee's attention that the Town is looking at bids for the phone system. He will have a meeting with the committee to find out what our needs will be. The committee was notified that we now have 12 lines and they were all turned on. Jack stated that that should not be so. They should have only been turned on when they were needed in a Town Emergency.

The prospective date for our next Emergency Management/Hazard Mitigation Plan meeting will be Wednesday, March 3, 2010, at the Town Hall, at 7:00PM.

With no other business to discuss, there was a motion made by Jack Flynn and seconded by Gary Spears to end the meeting at 8:45PM

Plan Team Meeting #6:- March 3, 2010

The Deerpark Emergency Management/Hazard Mitigation meeting was called to order at 7:00PM by Director of Emergency Management, Jack Flynn.

The following people attended:

- Jack Flynn, Town of Deerpark Director of Emergency Management
- Karl Brabenec – Town of Deerpark Supervisor
- Glenn Gidaly- Barton Loguidice Planner
- Lee Hulbert – American Red Cross local Coordinator
- William Werner – Town of Deerpark Chief of Police
- Brian Schnieder – Rep. Columbia Gas
- Gary Spears – Town of Deerpark Councilman
- David Dean – Town of Deerpark Councilman
- Linda Kozak – Summit Research Labs
- Tony Buzzelli – Summit Research Labs
- Phil Chase – Town of Deerpark Rep of Upper Delaware Council
- Edward Hughson – Town of Deerpark Highway Supervisor
- Fred Ladika – Regional EMS Captain

- Joyce Cirulli – Secretary/Clerk Town of Deerpark Emergency Management

The secretary read the minutes from the January and February meetings. A motion was made to accept the minutes as read by Jack Flynn, seconded by Bill Werner and accepted by all.

There were some forms sent from OC Division of Emergency Management. Jack will look at them and pass them along to who needs to fill them out.

OLD BUSINESS:

I.D. Tags: Karl is having problems with the program and he will get together with Joyce and try to get this problem solved. A tentative meeting was set for March 10, 2010.

Gary Spears asked how the phones worked during our EOC openin on February 26th & 27th. Joyce said the EOC had 6 lines open and they worked perfectly. Joyce said that because this emergency was able to be handled by The Town of Deerpark's resources, that was all the open lines we needed. When we need to invite Orange County , State Emergency Rep, and other emergency agencies that may be needed, the EOC would need more lines. We presently have 12 lines dedicated to the EOC and it was felt that those 12 lines should not be reduced.

Phil Chase told Glenn that the packet of newspaper articles that he compiled was very helpful to him in accessing some of the problem associated with the local dams.

Jack noted that he felt that when the EOC was open everything went smoothly. He thanked all the people who helped. He felt the only glitch was with Orange and Rockland. Joyce thanked Ed Hughson for all his help in setting up the center and closing it down.

Karl also thanked all who were there and all the help they gave. Two things Karl felt that needed to be addressed were number one the purchase of a new generator. The generator that was previously purchased by the town for the EOC'S use was not maintained And does not work. The electric did go out at the Town Building and the generator that was for the Highway Department had to be used. The town is looking into having the emergency generator repaired.

The other thing Karl wanted addressed by the level emergencies. Jack read them.

Level One Snow Emergency : Indicated that roadways are hazardous and that people should drive with extreme caution. During a Level One Snow Emergency, motorists are forbidden to park along side streets and along roadways with signage prohibiting parking during a Snow Emergency. Vehicles may be fined or towed if they are not removed from designated Snow Emergency routes. A sustained snowfall of about 4-8 inches will likely cause a Level One Snow Emergency to be declared.

Level Two Snow Emergency: Indicates that all driving is discouraged and that you should call ahead before heading for work. Only essential travel is recommended during a Level Two Snow Emergencies. Schools and some businesses do not operate during a Level Two Snow Emergency. A sustained snowfall of about 6-10 inches will likely cause a Level Two Snow Emergency to be declared.

Level Three Snow Emergency: Indicates that all public roadways are closed to the general public. Only police and emergency vehicles should be on the roads. People can be arrested if they decide to drive on public roadways in a non-emergency situation. If a Level Three Snow Emergency is declared when students are at school or when a public building is open, attempts should be made by officials to supply the general public with food and potable water. A sustained snowfall of about 10-12 inches will likely cause a Level Three Snow Emergency to be declared.

Karl would like the committee to take a look at these levels, add or delete anything and get back to him so that we could use these standards and notify the media of which level they are on.

Joyce also stated that Shannon from OCEM sent a memo of the levels of the opening of their EOC that we could use so we can all be on the same page. This will be brought to the next meeting.

Gary said that at the last board meeting people were asking if they would be allowed to plow during a State of Emergency. Some of the plowing could involve getting key people to work. Jack suggested that they call the EOC for updates and information concerning this matter as the police are also stationed there and can answer any of these concerns.

A question was asked if the Town has the authority to close US RT. 209 during a snow storm or emergency. Chief Werner stated that they do have the authority to close any road if it unsafe to travel.

Gary suggested that notification be made more accessible to the community when there is any kind of Town emergency. A lot of people do not have computers to look on so he wanted to make sure that notification is made via radio and TV. Karl stated that he did put any updated on the website and he did

notify the paper, but he will try to get information to the radio and TV during any future emergencies.

He also stated he would put on the website where to stay tuned to for further information. Also, what the stages of emergencies are and what to expect.

Jack explained again about the placard system, and placards were handed out this evening to those who didn't get them before. They are to be kept in view when driving during a State of Emergency. These placards will be recognized in the 3 tri-state area states.

Blue placards are for Supervisor and Deputy Supervisor. Green is for the EOC Coordinator and people who work the EOC. Red is for support staff, i.e. Town Highway Supervisor, members of the Board, Code enforcement officer, Town Clerk, etc. and yellow is for staging.

Glenn went over the purpose of the plan again which is to prevent loss of live and damage to properties. He again went over mitigation strategies. He suggested that we get together as a smaller team to go over some of these ideas.

Actions to minimize these hazards were discussed such as pamphlets to be distributed to the public on what to do before and during an emergency. It was discussed that maybe these pamphlets could be mailed with the tax bill for each year, and maybe a portion of the website be made for this purpose.

Other mitigation actions were discussed and they will be analysed and incorporated in the HMP.

If the generator problem is put in the mitigation plan, it may open to grant money to replace or repair.

It was discussed that we could also use a generator for building number 2. That is where the police are based and it could be used for some evacuation housing.

The Town Highway Supervisor stated that they are in desperate need of equipment that is really taxed during Town emergencies. Things like this could also be put in so that the Town will be open for grant monies.

Problems with the area dams was discussed and it was stated that we need better communications and dam repairs.

Culvert pipe locations or add on location, street bank locations should also be put in the plan so it will also be a candidate for grant monies.

Building codes should be followed closely when building new home. With the new wetland situation, the codes may have to be looked at again.

Fire dangers were discussed. Proper installation of wood stoves was discussed, where to store flammable products. It was felt that public awareness would be the best preventative.

It was again reviewed about areas in the Town that there is no cell or radio communication. Jack stated that they are trying to get a new tower set up. He is unsure if this will happen.

David Dean had some input on this. He stated the Town is in the process of interviewing different phone companies and talk of putting a tower near the Town building was discussed. He also stated that because of the topography of this area, we would need more than one tower set up. He will keep the committee updated on any decisions that the Town may make in this area.

The prospective date for the next Emergency Management/Hazard Mitigation Plan meeting will be Wednesday, April 7, 2010, at 7:00PM, at the Town of Deerpark Town Hall.

With no other business to discuss, there was a motion made by Jack, Flynn and seconded by Fred Ladika to send the meeting at 8:30PM

Plan Team Meeting #7:– April 7, 2010

The Deerpark Emergency Management/Hazard Mitigation meeting was called or order at 7:00PM by Secretary/Clerk of Emergency Management, Joyce Cirulli.

The following people attended:

- Lee Hulbert – American Red Cross Local Coordinator
- Phil Chase – Town of Deerpark Rep of Upper Delaware Council
- Tony Buzzelli – Summit Research Lab
- Brian Schneider – Rep. Columbia Gas
- Bill Werner – Town of Deerpark Chief of Police
- Fred Ladika – Regional EMS Captain
- Dave Dean – Town of Deerpark Councilman
- Gary Spears – Town of Deerpark Councilman
- Dave Hoover – Town of Deerpark Councilman
- Linda Kozak – Summit Research Lab
- Mike Brothers Barton Loguidice Planner
- Art Trove – Town of Deerpark Councilman
- Joyce Cirulli – Secretary/Clerk Town of Deerpark Emergency Management

The secretary read the minutes from the March 3, 2010 meeting. A motion was made to accept the minutes as read by Bill Werner, seconded by Fred Ladika and was accepted by all.

OLD BUSINESS:

Gary informed the committee that the emergency generator dedicated for the EOC use has been repaired.

Bill said he would look at what info or program we have for I.D. Tags. Joyce said she would contact Karl and see if we could meet and take a look at whatever information he has for this.

Joyce discussed the NIMS (National Incident Management System) program and told the committee that the Town of Deerpark is only about 25% in compliance.

The people who need to be NIMS compliant are:

Town Supervisor, all DPW staff, all police officers, Building Inspector & Deputy Building Inspector, Chief Town Clerk, Deputy Town Clerk, and Town Council Persons. The Classes they need are ICS 100 and ICS 700. If anyone already has the certificate of completion for any of these classes, they need to bring a copy of their certificates to the Town Supervisor.

NEW BUSINESS:

Joyce asked Dave Hoovler if the Deerpark Emergency Plan that he sent us copies of for any additions or comments was going to take the place of our SOG's for the EOC. He stated it was not. Because of insurance reasons, the Town needed to have this also in place. This Plan will become a Local Law. It will

set up a post incident review so that if the Town needs to apply for any FEMA monies, or grant monies, we have all the right people around elected officials that can tell us what we may need. We have lost money in the past because FEMA requirements were not met, and this law will stop this from happening again. Dave felt that he did not feel we could get any monies from the last snow storm, but we will be in a good position to get some reimbursement for the next State of Emergency.

Dave suggested that we have a post incident meeting for the February and March opening of the EOC. Joyce will check with Jack and see when he has time to do this meeting.

The Town has hired a consultant company to review the bid from the cell tower company to make sure it will meet the Town's needs. There should be an answer within the next thirty days.

Gary informed the committee that 200 years of flooding material has been donated to the Town and if anyone would like to see it, they should contact Norma Schadt. Joyce will call Norma to see if the committee can borrow that information.

Phil Chase attended a meeting of the NYCDEP last week and gave us the following report. There were two ideas that they wanted to suggest to help with flood control. One question was "Is there a way we could dump some of the high waters into the Hudson River?" It was stated that there is a shaft number 6 that is on the other side of the Hudson River. Paul Rush stated that it did not move enough water for it to be practical.

The next questions was could there be voids. Mr. Chase suggested a 25% void in the months of December, January, February, and into the month of March. The goal of NYC is to have the three reservoirs (Neversink, Cannonsville and Peapack) full the first of June. This year in January the reservoirs were at 95%. Phil was asking that that level be dropped down. This issue has not been resolved as of this date.

Phil will keep us informed on the progress of these issues.

At this time the meeting was turned over to Mike Brothers from B&L. He stated they were on the home stretch in terms of getting the HMP final draft completed. They are still working on the mitigation strategies section. The earlier parts that were completed are, Public outreach, Risk assessment, etc. The strategies are where the nuts and bolts of the plan is. Mike stated the plan needed Goals, Objectives, and Action Items. The Goals are the overarching vision of what we are trying to do. The Objectives are the things where we might get some concerns in the community.

Mike passed around a draft set of the Goals and Objectives.

Goals: handout:

After much discussion it was decided that Goal 1: Objectives - letter e. should be changed to read Ensure that development is done according to appropriate standards.

Goal 2 is fine.

It was felt that Goal 3 Objectives a. to remain the same. b. to read Encourage the protection of natural lands and features that serve to mitigate losses. c. to read Protect open space, particularly in high areas. d. to remain the same.

Goal 4 is fine.

Next the Proposed Mitigation Actions were reviewed.

Actions Item Numbers 1- 5 were good. No. 6 regarding public outreach was discussed and some ideas were, again, pamphlets and use of website to do this public outreach.

No. 7 It was suggested that to identify elderly and some disabled people in our community, we might involve senior organizations to have a call chain to check on people, and maybe have them phone canvas to determine the elderly and wheelchair bound people in our community.

Bill said that when he worked for the village of Goshen, the seniors would call the station each day to check in, and if they did not get a phone call, someone would be dispatched to check on that person. That was another idea that might be implemented.

Again, questionnaires could be sent out in our community to determine special needs and the senior population in our area.

Gary informed the committee that the webpage is being updated so it can be used for any Emergency Management questionnaires or for other public input concerning this HMP.

It was decided to take numbers 10 and 11 completely out.

To change 12 and 13's Timeframe to read Ongoing.

Number 14. It was discussed how to do a data base for this and Mike informed us that this may be open for Grant Money.

Addition number 31 to read Old Cahonzie Road. Mike will make this addition.

David Dean brought up the fact that there is a drainage and bank erosion problem by Shingle Kill Brook. Mike will check this and also add to the proposed Mitigation Areas.

The next hand out was Hazard Mitigation Priorities:

Changes to this are as follows:

Number 3 – Priority to read M-H

Number 9 – Priority to read H

Numbers 10 and 11 to be deleted.

Old Cahonzie Road to be added.

Mike reminded the committee that once the plan is in place, it must be reviewed periodically. This can be accomplished by our quarterly meetings.

Joyce reminded the committee members again to keep track of their time spent working on HMP so it can be documented and put in for HMP in kind services.

The prospective date for the next Emergency Management/Hazard Mitigation Plan meeting will be **Thursday, MAY 6, 2010**, at 7:00PM, at the Town Hall.

With no other business to discuss, there was a motion made by Dave Dean to and seconded by Bill Werner to end the meeting at 9:00PM

Plan Team Meeting #8:– May 6, 2010

The Deerpark Emergency Management/Hazard Mitigation Committee met for their regular meeting on Thursday, May 7, 2010, at the Town Hall. The meeting was called or order at 7:00PM by Jack Flynn, Director of Emergency Management for the Town of Deerpark.

The following people attended:

- Jack Flynn – Town of Deerpark Director Emergency Management
- William Werner – Town of Deerpark Chief of Police
- Lee Hulbert – American Red Cross Local Coordinator
- Dave Dean – Town of Deerpark Councilman
- Joyce Cirulli – Secretary/Clerk Town of Deerpark Emergency Management
- T.J. Kalin – Chief Huguenot Fire Department
- Chris Parlman – Chief Cuddebackville Fire Department
- Ed Hughson – Town of Deerpark Highway Supervisor
- Gene Reynolds – O&R Emergency Management

The secretary read the minutes from the April 7, 2010 meeting. A motion was made by Bill Werner to accept the minutes as read with a correction. Bill Werner worked for the County of Orange and the Village of Goshen had this senior program in effect. The motion of seconded by T.J. Kalin.

CORRESPONDENCE:

Pipeline Meeting notice for May 26, 2010.

Save the date for O&R Emergency Service seminar June 4th

OLD BUSINESS:

I.D. Tags – Joyce brought the camera so pictures of members could be taken this evening for Karl to make out tags.

NIMS – A reminder that NIMS is needed for Town Supervisor, all DPW workers, all police officers, Building Inspectors, & Deputy Building Inspector, Chief Town Clerk, Deputy Town Clerks, and Town Council Persons. Note: Dave Hoovlers ICS 100 and 700 are now in the file.

Joyce handed out time sheets for the committee to fill out and return to her at the next regular meeting. These time sheets will help with the \$14,000.00 in-kind service that must be done before we will get final grant payment. Jack seems to think all this must be done so it can be handed in the final draft to SEMO.

GENERATOR: T.J. asked if the generator was working. At the last meeting Gary Spears stated that it was working. Dave Dean said that Mr. Sardina fixed it. Dave suggested that Bob Ostrum make sure it starts.

NOTE: After the meeting, it was tried and it does not start. Dave Dean said he would send out bids to repair it.

Dave also informed Ed that it should be started once a month. Ed said he would take care of this. He will have Pat make up a check sheet to Bob (or any other person) can fill it out each month that it is checked.

RADIO UPDATE:

T.J. informed the committee that all the radios in the EM closet were updated by Tony Capolla,
They all have the new fire and police channels.

EMERGENCY MANAGEMENT PLAN LAW:

Dave Dean stated that the Emergency Management Plan was passed at the last Council meeting.

CELL TOWER UPDATE:

Dave also updated the proposed Cell Tower Bid. The Town did hear back from the consultant and there is going to be a public hearing on May 24th. This cell tower will be built on the Town property between the Town Barn and Harriett Space Park. The Town will own the tower, but they will not build it. A company will be hired to build the tower and the rent income will be split between the Town and the company who builds the tower. Dave asked the Police Dept and Fire Dept to inform him what needs they will need for the tower and he can mention this to the company who builds the tower. T.J. said this would be had to do

before the tower is erected. If they find that the tower does not fit their needs, maybe a repeater (which is an antenna with a box) can be put on it after it is built.

After the Town gets a agreement with the company, they will do a provocation study for a tower on Boehmer Park to see if that is a good place for another cell tower to help with the other side of the Town. If one is put there, that obviously would be a better place to put the repeater.

Chief Werner stated that a few years ago when exploring getting our own cell tower, he was looking to get four frequencies on repeaters. One for police dispatch, one for communication with each other, a third for Town wide emergency services and a fourth channel for Emergency Management. But in conjunction with that, we were trying to piggyback off of the pole up on Boehmer Park or maybe doing another tower.

Dave said if he has input that he can give the Town Board, by all means, give them some information.

Bill said if they get a tower put up there, the police and fire could put a building on the bottom to house the repeaters.

T.J. said the Town already owns a channel now so they already have one high band channel that is not being used. Dave asked if the Town had to pay for this channel. Jack said it is something that the Town probably pays once every 10 to 15 years to the FCC and it might be around \$200.00. Dave asked if anyone knew when this was due again and no one really knew. Jack thought the Supervisor should have paperwork on this somewhere. T.J. suggested that Ed call NYCOMCO and ask if they have that information. Ed said he would take care of that.

Jack informed the committee that the Pipeline was doing another safety operation on May 26th. Joyce and Jack will be attending the safety seminar.

NEW BUSINESS:

Jack stated that the final draft should be done the end of May for our HMP, and when we get this we will set up another meeting to go over it. Dave asked if they will do this draft via an e-mail. Jack said probably not because it is too big. Joyce said she will speak to Glen or Mike and ask for several hard copies so the board members will each have a copy. Joyce will also ask if it can be posted on the Town's website for public perusal.

Photos will be taken after the meeting for the I.D. tags. People who need pictures that were not here this evening are: Karl, Gary, Art, Fred, and Dave Hoovler.

The prospective date for the next Emergency Management/HMP meeting will be Wednesday, June 2, 2010, 7:00PM, at the Town Hall.

With no other business to discuss, there was a motion made by Bill Werner and seconded by T.J. Kalin to end the meeting at 8:30PM.

Deerpark Hazard Mitigation Plan Team Meeting Minutes – Summary Table	
Meeting Date	Major Topics:
July 1, 2009	<ul style="list-style-type: none"> • to review the Town's Critical asset inventory that was prepared by B&L and rank them in importance and make recommendations for additional information. • to obtain information from those present concerning community assets and photos • to present the maps prepared to date, and solicit feedback on needed revisions: flood map, emergency facility map and others.
August 5, 2009	<ul style="list-style-type: none"> • Hazard Information Ranking & Assessment process (HIRA-NY) • Natural Disasters Identified
September 10, 2009	<ul style="list-style-type: none"> • Background information on the goals and objectives of Hazard Mitigation Planning, • The process the Town will be using to develop the Plan, • A summary of work that completed to date, • An overview of the Hazard Analysis that was completed with SEMO, and Information regarding work tasks that remain to be completed
December 2, 2009	<ul style="list-style-type: none"> • Historical data regarding 2005 flooding was discussed • Discussed DEC role in dam studies • Outreach to surrounding communities discussed and method of inclusion
January 13, 2010	<ul style="list-style-type: none"> • Historical snow storms were discussed including April 1, 1997 storm prohibiting road travel • Regulatory responsibility of Delaware River vs. NYC drinking needs discussed - issue regarding regular releases
February 3, 2010	<ul style="list-style-type: none"> • Public Information on Hazard Mitigation Plan Held • Phone operation at the Emergency Operation Center was discussed as review of previous discussion • Levels of snow emergency discussed
March 3, 2010	<ul style="list-style-type: none"> • National Incident Monitoring System compliance discussed • Use of website as communication tool discussed
April 7, 2010	<ul style="list-style-type: none"> • Hazard Mitigation Plan Goals were discussed and adaptations to those goals to ensure Town's achievement • Locations previously not included in Plan discussions were added
May 6, 2010	<ul style="list-style-type: none"> • Generator function was checked and found not operational; bids sent out for repair • Emergency radios updated to include police channels • Announcement of cell tower to be built which will upgrade announcement capabilities

Appendix C

Draft Adoption Resolution

(Name of Jurisdiction) Town of Deerpark
(Governing Body) Town Board
(Address) 420 Route 209, Huguenot, New York 12746

Resolution

WHEREAS, the Town of Deerpark, with assistance from Barton and Loguidice, P.C., has gathered information and prepared the Town of Deerpark Single-Jurisdiction Hazard Mitigation Plan; and

WHEREAS, the Town of Deerpark Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000 and 44 CFR Part 201; and

WHEREAS, the Town of Deerpark is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, the Town of Deerpark has reviewed the Plan and affirms that the Plan will be updated no less than every five years;

NOW THEREFORE BE IT RESOLVED BY THE TOWN BOARD that the Town of Deerpark adopts the Town of Deerpark Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

ADOPTED this _____ at the meeting of the Town of Deerpark Town Board.

Town Supervisor

Town Clerk

Appendix D
HAZUS Reports

HAZUS-MH: Flood Event Report

Region Name: Deer Park

Flood Scenario: DeerparkRiverrine11_6_2010

Print Date: Sunday, November 07, 2010

Disclaimer:

Totals only reflect data for those census tracts/blocks included in the user's study region.

The estimates of social and economic impacts contained in this report were produced using HAZUS loss estimation methodology software which is based on current scientific and engineering knowledge. There are uncertainties inherent in any loss estimation technique. Therefore, there may be significant differences between the modeled results contained in this report and the actual social and economic losses following a specific Flood. These results can be improved by using enhanced inventory data and flood hazard information.

Table of Contents

Section	Page #
General Description of the Region	3
Building Inventory	4
General Building Stock	
Essential Facility Inventory	
Flood Scenario Parameters	5
Building Damage	6
General Building Stock	
Essential Facilities Damage	
Induced Flood Damage	8
Debris Generation	
Social Impact	8
Shelter Requirements	
Economic Loss	9
Building-Related Losses	
Appendix A: County Listing for the Region	10
Appendix B: Regional Population and Building Value Data	11

General Description of the Region

HAZUS is a regional multi-hazard loss estimation model that was developed by the Federal Emergency Management Agency (FEMA) and the National Institute of Building Sciences (NIBS). The primary purpose of HAZUS is to provide a methodology and software application to develop multi-hazard losses at a regional scale. These loss estimates would be used primarily by local, state and regional officials to plan and stimulate efforts to reduce risks from multi-hazards and to prepare for emergency response and recovery.

The flood loss estimates provided in this report were based on a region that included 1 county(ies) from the following state(s):

- New York

Note:

Appendix A contains a complete listing of the counties contained in the region.

The geographical size of the region is 66 square miles and contains 332 census blocks. There are over 3 thousand households in the region and has a total population of 7,858 people (2000 Census Bureau data). The distribution of population by State and County for the study region is provided in Appendix B.

There are an estimated 3,899 buildings in the region with a total building replacement value (excluding contents) of 559 million dollars (2006 dollars). Approximately 94.41% of the buildings (and 81.49% of the building value) are associated with residential housing.

Building Inventory

General Building Stock

HAZUS estimates that there are 3,899 buildings in the region which have an aggregate total replacement value of 559 million (2006 dollars). Table 1 and Table 2 present the relative distribution of the value with respect to the general occupancies by Study Region and Scenario respectively. Appendix B provides a general distribution of the building value by State and County.

Table 1
Building Exposure by Occupancy Type for the Study Region

Occupancy	Exposure (\$1000)	Percent of Total
Residential	455,160	81.5%
Commercial	67,351	12.1%
Industrial	25,167	4.5%
Agricultural	1,106	0.2%
Religion	5,156	0.9%
Government	3,335	0.6%
Education	1,242	0.2%
Total	558,517	100.00%

Table 2
Building Exposure by Occupancy Type for the Scenario

Occupancy	Exposure (\$1000)	Percent of Total
Residential	144,210	85.5%
Commercial	17,232	10.2%
Industrial	2,380	1.4%
Agricultural	331	0.2%
Religion	1,924	1.1%
Government	1,255	0.7%
Education	1,242	0.7%
Total	168,574	100.00%

Essential Facility Inventory

For essential facilities, there are no hospitals in the region with a total bed capacity of no beds. There are 5 schools, 2 fire stations, 1 police station and no emergency operation centers.

Flood Scenario Parameters

HAZUS used the following set of information to define the flood parameters for the flood loss estimate provided in this report.

Study Region Name:	Deer Park
Scenario Name:	DeerparkRiverrine11_6_2010
Return Period Analyzed:	100
Analysis Options Analyzed:	0

General Building Stock Damage

HAZUS estimates that about 71 buildings will be at least moderately damaged. This is over 8% of the total number of buildings in the study case. There are an estimated 27 buildings that will be completely destroyed. The definition of the 'damage states' is provided in Volume 1: Chapter 5 of the HAZUS Flood technical manual. Table 3 below summarizes the expected damage by general occupancy for the buildings in the region. Table 4 summarizes the expected damage by general building type.

Table 3: Expected Building Damage by Occupancy

Occupancy	1-10		11-20		21-30		31-40		41-50		Substantially	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
Agriculture	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Commercial	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Education	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Government	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Industrial	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Religion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Residential	0	0.00	2	2.82	7	9.86	20	28.17	15	21.13	27	38.03
Total	0		2		7		20		15		27	

Table 4: Expected Building Damage by Building Type

Building Type	1-10		11-20		21-30		31-40		41-50		Substantially	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
Concrete	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
ManufHousing	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	15	100.00
Masonry	0	0.00	0	0.00	0	0.00	2	66.67	0	0.00	1	33.33
Steel	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wood	0	0.00	2	3.77	7	13.21	18	33.96	15	28.30	11	20.75

Essential Facility Damage

Before the flood analyzed in this study case, the region had 0 hospital beds available for use. On the day of the scenario flood event, the model estimates that 0 hospital beds are available in the region.

Table 5: Expected Damage to Essential Facilities

Classification	Total	# Facilities		
		At Least Moderate	At Least Substantial	Loss of Use
Fire Stations	2	0	0	0
Hospitals	0	0	0	0
Police Stations	1	0	0	0
Schools	5	0	0	0

If this report displays all zeros or is blank, two possibilities can explain this.

- (1) None of your facilities were flooded. This can be checked by mapping the inventory data on the depth grid.
- (2) The analysis was not run. This can be tested by checking the run box on the Analysis Menu and seeing if a message box asks you to replace the existing results.

Induced Flood Damage

Debris Generation

HAZUS estimates the amount of debris that will be generated by the flood. The model breaks debris into three general categories: 1) Finishes (dry wall, insulation, etc.), 2) Structural (wood, brick, etc.) and 3) Foundations (concrete slab, concrete block, rebar, etc.). This distinction is made because of the different types of material handling equipment required to handle the debris.

The model estimates that a total of 3,174 tons of debris will be generated. Of the total amount, Finishes comprises 36% of the total, Structure comprises 31% of the total. If the debris tonnage is converted into an estimated number of truckloads, it will require 127 truckloads (@25 tons/truck) to remove the debris generated by the flood.

Social Impact

Shelter Requirements

HAZUS estimates the number of households that are expected to be displaced from their homes due to the flood and the associated potential evacuation. HAZUS also estimates those displaced people that will require accommodations in temporary public shelters. The model estimates 209 households will be displaced due to the flood. Displacement includes households evacuated from within or very near to the inundated area. Of these, 382 people (out of a total population of 7,858) will seek temporary shelter in public shelters.

Economic Loss

The total economic loss estimated for the flood is 21.30 million dollars, which represents 12.64 % of the total replacement value of the scenario buildings.

Building-Related Losses

The building losses are broken into two categories: direct building losses and business interruption losses. The direct building losses are the estimated costs to repair or replace the damage caused to the building and its contents. The business interruption losses are the losses associated with inability to operate a business because of the damage sustained during the flood. Business interruption losses also include the temporary living expenses for those people displaced from their homes because of the flood.

The total building-related losses were 21.16 million dollars. 0% of the estimated losses were related to the business interruption of the region. The residential occupancies made up 81.11% of the total loss. Table 6 below provides a summary of the losses associated with the building damage.

Table 6: Building-Related Economic Loss Estimates
(Millions of dollars)

Category	Area	Residential	Commercial	Industrial	Others	Total
<u>Building Loss</u>						
	Building	11.35	0.75	0.14	0.12	12.36
	Content	5.91	2.09	0.19	0.56	8.75
	Inventory	0.00	0.01	0.03	0.00	0.05
	Subtotal	17.26	2.85	0.37	0.68	21.16
<u>Business Interruption</u>						
	Income	0.00	0.02	0.00	0.00	0.02
	Relocation	0.02	0.00	0.00	0.00	0.02
	Rental Income	0.00	0.00	0.00	0.00	0.00
	Wage	0.00	0.01	0.00	0.02	0.04
	Subtotal	0.02	0.03	0.00	0.02	0.07
<u>ALL</u>	Total	17.28	2.88	0.37	0.70	21.23

Appendix A: County Listing for the Region

New York

- Orange

Appendix B: Regional Population and Building Value Data

	Population	Building Value (thousands of dollars)		
		Residential	Non-Residential	Total
New York				
Orange	7,858	455,160	103,357	558,517
Total	7,858	455,160	103,357	558,517
Total Study Region	7,858	455,160	103,357	558,517

HAZUS-MH: Hurricane Event Report

Region Name: Deerpark

Hurricane Scenario: Probabilistic 200-year Return Period

Print Date: Wednesday, November 18, 2009

Disclaimer:

Totals only reflect data for those census tracts/blocks included in the user's study region.

The estimates of social and economic impacts contained in this report were produced using HAZUS loss estimation methodology software which is based on current scientific and engineering knowledge. There are uncertainties inherent in any loss estimation technique. Therefore, there may be significant differences between the modeled results contained in this report and the actual social and economic losses following a specific Hurricane. These results can be improved by using enhanced inventory data.

Table of Contents

Section	Page #
General Description of the Region	3
Building Inventory	4
General Building Stock	
Essential Facility Inventory	
Hurricane Scenario Parameters	5
Building Damage	6
General Building Stock	
Essential Facilities Damage	
Induced Hurricane Damage	8
Debris Generation	
Social Impact	8
Shelter Requirements	
Economic Loss	9
Building Losses	
Appendix A: County Listing for the Region	10
Appendix B: Regional Population and Building Value Data	11

General Description of the Region

HAZUS is a regional multi-hazard loss estimation model that was developed by the Federal Emergency Management Agency and the National Institute of Building Sciences. The primary purpose of HAZUS is to provide a methodology and software application to develop multi-hazard losses at a regional scale. These loss estimates would be used primarily by local, state and regional officials to plan and stimulate efforts to reduce risks from multi-hazards and to prepare for emergency response and recovery.

The hurricane loss estimates provided in this report are based on a region that includes 1 county(ies) from the following state(s):

- New York

Note:

Appendix A contains a complete listing of the counties contained in the region.

The geographical size of the region is 67.77 square miles and contains 1 census tracts. There are over 2 thousand households in the region and has a total population of 7,858 people (2000 Census Bureau data). The distribution of population by State and County is provided in Appendix B.

There are an estimated 3 thousand buildings in the region with a total building replacement value (excluding contents) of 559 million dollars (2002 dollars). Approximately 94% of the buildings (and 82% of the building value) are associated with residential housing.

Building Inventory

General Building Stock

HAZUS estimates that there are 3,946 buildings in the region which have an aggregate total replacement value of 559 million (2002 dollars). Table 1 presents the relative distribution of the value with respect to the general occupancies. Appendix B provides a general distribution of the building value by State and County.

Table 1: Building Exposure by occupancy Type

ccupancy	Exposure 1000	Percent of Tot
Residential	455,590	81.5%
Commercial	67,351	12.0%
Industrial	25,167	4.5%
Agricultural	1,106	0.2%
Religious	5,156	0.9%
overnment	3,335	0.6%
Education	1,242	0.2%
Total	558 94	100 0

Essential Facility Inventory

For essential facilities, there are no hospitals in the region with a total bed capacity of no beds. There are 3 schools, 5 fire stations, 1 police stations and no emergency operation facilities.

Hurricane Scenario

HAZUS used the following set of information to define the hurricane parameters for the hurricane loss estimate provided in this report.

Scenario Name: Probabilistic

Type: Probabilistic

Building Damage

General Building Stock Damage

HAZUS estimates that about 0 buildings will be at least moderately damaged. This is over 0% of the total number of buildings in the region. There are an estimated 0 buildings that will be completely destroyed. The definition of the 'damage states' is provided in Volume 1: Chapter 6 of the HAZUS Hurricane technical manual. Table 2 below summarizes the expected damage by general occupancy for the buildings in the region. Table 3 summarizes the expected damage by general building type.

Table 2: Expected Building Damage by Occupancy : 200 - year Event

Occupancy	None		Minor		Moderate		Severe		Destruction	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
Agriculture	8	99.57	0	0.42	0	0.01	0	0.00	0	0.00
Commercial	137	99.51	1	0.48	0	0.01	0	0.00	0	0.00
Education	2	99.48	0	0.52	0	0.00	0	0.00	0	0.00
Government	6	99.44	0	0.56	0	0.00	0	0.00	0	0.00
Industrial	56	99.45	0	0.55	0	0.00	0	0.00	0	0.00
Religion	8	99.61	0	0.39	0	0.00	0	0.00	0	0.00
Residential	3,721	99.80	7	0.20	0	0.00	0	0.00	0	0.00
Total	3,937		8		0		0		0	

Table 3: Expected Building Damage by Building Type : 200 - year Event

Building Type	None		Minor		Moderate		Severe		Destruction	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
Concrete	14	99.39	0	0.61	0	0.00	0	0.00	0	0.00
Masonry	350	99.57	1	0.41	0	0.02	0	0.00	0	0.00
MH	703	100.00	0	0.00	0	0.00	0	0.00	0	0.00
Steel	100	99.43	1	0.56	0	0.01	0	0.00	0	0.00
Wood	2,259	99.79	5	0.21	0	0.00	0	0.00	0	0.00

Essential Facility Damage

Before the hurricane, the region had no hospital beds available for use. On the day of the hurricane, the model estimates that 0 hospital beds (0%) are available for use. After one week, none of the beds will be in service. By 30 days, none will be operational.

Table 4: Expected Damage to Essential Facilities

Classification	Total	# Facilities		
		Probability of at Least Moderate Damage > 50%	Probability of Complete Damage > 50%	Expected Loss of Use < 1 day
Fire Stations	5	0	0	5
Police Stations	1	0	0	1
Schools	3	0	0	3

Induced Hurricane Damage

Debris Generation

HAZUS estimates the amount of debris that will be generated by the hurricane. The model breaks the debris into three general categories: a) Brick/Wood, b) Reinforced Concrete/Steel, and c) Trees. This distinction is made because of the different types of material handling equipment required to handle the debris.

The model estimates that a total of 6,373 tons of debris will be generated. Of the total amount, Brick/Wood comprises 0% of the total, Reinforced Concrete/Steel comprises of 0% of the total, with the remainder being Tree Debris. If the building debris tonnage is converted to an estimated number of truckloads, it will require 1 truckloads (@25 tons/truck) to remove the debris generated by the hurricane.

Social Impact

Shelter Requirement

HAZUS estimates the number of households that are expected to be displaced from their homes due to the hurricane and the number of displaced people that will require accommodations in temporary public shelters. The model estimates 0 households to be displaced due to the hurricane. Of these, 0 people (out of a total population of 7,858) will seek temporary shelter in public shelters.

Economic Loss

The total economic loss estimated for the hurricane is 0.4 million dollars, which represents 0.08 % of the total replacement value of the region's buildings.

Building-Related Losses

The building related losses are broken into two categories: direct property damage losses and business interruption losses. The direct property damage losses are the estimated costs to repair or replace the damage caused to the building and its contents. The business interruption losses are the losses associated with inability to operate a business because of the damage sustained during the hurricane. Business interruption losses also include the temporary living expenses for those people displaced from their homes because of the hurricane.

The total property damage losses were 0 million dollars. 0% of the estimated losses were related to the business interruption of the region. By far, the largest loss was sustained by the residential occupancies which made up over 95% of the total loss. Table 4 below provides a summary of the losses associated with the building damage.

Table 5: Building-Related Economic Loss Estimates
(Thousands of dollars)

Category	Area	Residential	Commercial	Industrial	Others	Total
<u>Property Damage</u>						
	Building	412.98	6.74	6.07	1.08	426.87
	Content	7.24	0.00	8.00	0.00	15.24
	Inventory	0.00	0.00	0.61	0.00	0.61
	Subtotal	420.22	6.74	14.68	1.08	442.72
<u>Business Interruption Loss</u>						
	Income	0.00	0.00	0.00	0.00	0.00
	Relocation	0.31	0.08	0.00	0.00	0.39
	Rental	0.37	0.00	0.00	0.00	0.37
	Wage	0.00	0.00	0.00	0.00	0.00
	Subtotal	0.67	0.08	0.00	0.00	0.76
<u>Total</u>						
	Total	420.89	6.81	14.68	1.08	443.47

Appendix A: County Listing for the Region

New York
- Orange

Appendix B: Regional Population and Building Value Data

	Population	Building Value (thousands of dollars)		
		Residential	Non-Residential	Total
New York				
Orange	7,858	455,590	103,357	558,947
Total	7,858	455,590	103,357	558,947
Study Region Total	7,858	455,590	103,357	558,947