



**TOWN OF NORTH GREENBUSH**

**Multi-Jurisdictional Hazard Mitigation Status Report**

**February 1, 2019**

See the attached for:

Outreach Log

Jurisdictional Team Member Log and Meeting Agenda

Capability Assessment Worksheet Update

National Flood Insurance Program Worksheet Update

Hazard Mitigation Plan Integration Worksheet Update

Growth/Development Trends Worksheet Update



**Rensselaer County Multi-Jurisdictional  
Hazard Mitigation Plan Update**

**OUTREACH LOG:**

*Summary of Outreach Activities to the General Public and Other Stakeholders*

**PARTICIPATING JURISDICTION:** Town of North Greenbush

DATE OF ACTIVITY	TYPE OF ACTIVITY	ACTIVITY DETAILS	LEAD DEPARTMENT AND/OR STAFF TITLE WHO UNDERTOOK ACTIVITY
12/13/18	Town Board Meeting	Provided briefing to Elected/Appointed officials and meeting attendees at this public meeting on the hazard mitigation plan update process, etc.	Comptroller/Police Chief
1/7/19	Town Website Posting	Posted pertinent information concerning the Hazard Mitigation Update process and town commitment on the town website.	Comptroller
1/16/19	Discussion with City of Rensselaer Director of Planning	Discussed Hazard Mitigation and cross boundary stormwater drainage mitigation efforts taken by the town with development projects, etc.	Comptroller
1/22/19	Meeting with North Greenbush Library leadership.	Provided Library with Hazard Mitigation. Public Information materials and discussed emergency management planning and mitigation activities.	Comptroller
1/29/19	Discussion with RPI Tech Park	Discussion with RPI Tech Park Director on status of Hazard Mitigation project and any issues or concerns from the Park.	Comptroller

**WORKSHEET 1 - JURISDICTIONAL ASSESSMENT TEAM MEMBER LOG**



Please fill in the contact details for the person filling in this page:

Name: Anthony J. Germano  
 Title: North Greenbush Hazard Mitigation Planning Group  
 Community name: Town of North Greenbush  
 County: Rensselaer County, NY  
 Email: [agermano@northgreenbush.org](mailto:agermano@northgreenbush.org)  
 Phone: 518-283-3525 x 19

Local Jurisdiction Role/Position	Name	Email	Phone	Date of Invitation	Method of Invitation	Agreed to participate?
Land Use/Community Planner	Mark Laciwita	<a href="mailto:mark4209@outlook.com">mark4209@outlook.com</a>	518-527-0408	12/18/2018	Memo	Yes
Emergency Manager	Chief David Keevern	<a href="mailto:dkeevern@northgreenbushpolice.org">dkeevern@northgreenbushpolice.org</a>	518-283-4014	12/13/2018	Memo	Yes
Floodplain Manager/Administrator	Mike Miner	<a href="mailto:buildingg@northgreenbush.org">buildingg@northgreenbush.org</a>	518-283-2714	12/18/2018	Memo	Yes
Public Works Director / City Engineer	Mark Premo	<a href="mailto:premo@nycap.rr.com">premo@nycap.rr.com</a>	518-283-3921	12/18/2018	Memo	Yes
Building Code Official	Mike Miner	same as above				
Fiscal/Budget Officer	Anthony Germano	<a href="mailto:agermano@northgreenbus.org">agermano@northgreenbus.org</a>	518-283-3525 x 19	12/13/2018	Memo	Yes
Elected Officials	Louis Desso	<a href="mailto:ldesso@northgreenbush.org">ldesso@northgreenbush.org</a>	518-283-5313	12/18/2018	Memo	Yes
Elected Officials	Joe Bott	<a href="mailto:jbott@northgreenbush.org">jbott@northgreenbush.org</a>	518-283-5313	12/18/2018	Memo	Yes
Local Hospital	N/A					
NG Ambulance	Kathy Allen	<a href="mailto:kallen05@msn.com">kallen05@msn.com</a>	518-283-25313 x10	1/14/2019	Memo	Yes
Significant Business	N/A					
Resident/Library/Historian	James Greenfield	<a href="mailto:NGHistory@aol.com">NGHistory@aol.com</a>	518-283-5313	1/22/2019	Verbal/Meeting	Yes
Neighboring County 2	N/A					
Neighboring County 3	N/A					
Neighboring County 4	N/A					
Tribal Group/Nation	N/A					

**Town of North Greenbush  
Hazard Mitigation Plan UPDATE JAT Meeting  
January 15, 2019**

**AGENDA**

- Project Purpose and timeline – 5-year update of 2011 Town Hazard Mitigation Plan is required to ensure pending hazards are identified and we are in compliance for FEMA \$\$ post disaster. Steps include – public outreach; update hazard and vulnerability data based on recent events or other info as well as recent development as applicable; update NFIP data. Updated Plan is to be completed by June 2019.
- JAT Members – Other additions (adjoining municipalities, significant business, Tech Park, resident, etc., Fire/EMS, Medical - Community Health, etc.).
- How to obtain community input into the process? Website, Public Meeting, Letter, other
  - Resilience is the capacity of individuals, communities, businesses, institutions, and governments to adapt to changing conditions and to prepare for, withstand, and rapidly recover from disruptions to everyday life, such as hazard events.
  - Hazard mitigation planning is the foundation of community resilience because it encourages the development of a long-term mitigation strategy. By going through the planning process, communities think about their risks and develop mitigation actions and projects before a disaster even has a chance of occurring, making it easier to recover from future events.
- Town Hazard Mitigation Plan Update Process - Do we need to do another risk analysis first? Are there any completed or ongoing developments that we are concerned about? Are there any engineering or community reports we may need to input into the process?
- Complete NFIP Worksheet 2
- Hazard Mitigation as a part of your Job Description
- Status Meeting with County 1/17
- Next JAT Meeting will be called in February/March time frame when we have a draft plan to review but we will work independently until that time to complete the necessary components of the process.



## Rensselaer County Multi-Jurisdictional Hazard Mitigation Plan Update Worksheet #4 – Capability Assessment Update

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Performing a Capability Assessment is one step of a FEMA-approved hazard mitigation plan update. A mitigation planning Capability Assessment consists of taking an in-depth look at community mechanisms (such as plans, codes, ordinances, staffing, etc.) that can affect hazard mitigation activities. Performing the Capability Assessment helps communities identify the regulatory, administrative, technical, and fiscal capacities and capabilities of their jurisdiction and consider ways that these tools can be used to further hazard mitigation and disaster resiliency goals. Capability Assessments were undertaken by each participating jurisdiction as part of the development of the initial plan.

Please complete tables on the pages attached. For your convenience, your jurisdiction's feedback from the 2011 Plan has been pre-populated where possible. Please review and revise as needed to reflect current conditions in your municipality.

Completed worksheets should be returned to via email to Jay Wilson at [jwilson@renesco.com](mailto:jwilson@renesco.com). If you have questions or need help, please contact Anna Foley of AECOM at [anna.foley@aecom.com](mailto:anna.foley@aecom.com).

### **Respondent Information:**

Name: Anthony Germano

Title: Comptroller

Community: Town of North Greenbush

Email and Phone: [agermano@northgreenbush.org](mailto:agermano@northgreenbush.org) 518-283-3525 x19



**Rensselaer County Multi-Jurisdictional Hazard Mitigation Plan Update  
Worksheet #4 – Capability Assessment Update**

**CAPABILITY ASSESSMENT**

This section describes the following capabilities of the Town of North Greenbush:

- Legal and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classifications
- Overall capabilities and political willingness

**1. Legal and Regulatory Capability**

The table below summarizes the regulatory tools that are available to the Town of North Greenbush:

<b>Legal and Regulatory Capability</b>			
<b>Regulatory Tools (Codes, Ordinances, Plans)</b>	<b>Do you have this? (Y or N)</b>	<b>Municipal Entity with Enforcement Authority</b>	<b>Code Citation (Section, Paragraph, Page Number, Date of Adoption)</b>
a. Building code	Y	State building code enforced by Town	Town Code, Chapter 99, Sections 1 – 17, adopted 3/26/1987
b. Zoning ordinance	Y	Based on Town Comp Plan	Chapter 197, Adopted 1981
c. Subdivision ordinance or regulations	Y	Based on Town Comp Plan	Chapter 31, Adopted 10/10/1960
d. Special purpose ordinances (floodplain management, stormwater management, hillside or steep slope ordinances, wildfire ordinances, hazard setback requirements)	Y	County can add layers	See a. above (Note – Floodplain Maps on file are dated June 18, 1980).
e. Growth management ordinances (also called "smart growth" or anti-sprawl programs)	Y	Incorporated into comp plan and subsequent	See c above
f. Site plan review requirements	Y	State SEQR	See c above
g. General, comprehensive or master plan	Y	State provides framework for plan	See c above
h. A capital improvements plan	Y		Part of the town Budget process
i. An economic development plan	Y	Town and County IDA	Town IDA, NYS Law Section 27.a
j. An emergency response plan	Y	Multiple Plans	Town CEM Plan
k. A post-disaster recovery plan	Y	Working on updated Plan as part of "J"	Town CEM Plan
l. A post-disaster recovery ordinance	N		



**Rensselaer County Multi-Jurisdictional Hazard Mitigation Plan Update  
Worksheet #4 – Capability Assessment Update**

<b>Legal and Regulatory Capability</b>			
<b>Regulatory Tools (Codes, Ordinances, Plans)</b>	<b>Do you have this? (Y or N)</b>	<b>Municipal Entity with Enforcement Authority</b>	<b>Code Citation (Section, Paragraph, Page Number, Date of Adoption)</b>
m. Real estate disclosure requirements	N		
n. Other			

**2. Administrative and Technical Capability**

The table below summarizes potential staff and personnel resources available to the Town of North Greenbush:

<b>Administrative and Technical Capability</b>		
<b>Staff / Personnel Resources</b>	<b>Available (Y or N)</b>	<b>Department / Agency / Position</b>
a. Planner(s) or engineer(s) with knowledge of land development and land management practices	Y	Bldg/Consulting Eng
b. Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Bldg/Consulting Eng
c. Planners or Engineer(s) with an understanding of natural and/or human-caused hazards	Y	Bldg/Consulting Eng
d. Floodplain manager	Y*	Bldg
e. Surveyors	Y	On contract
f. Staff with education or expertise to assess the community's vulnerability to hazards	Y	Public Safety Commission, Hwy and Utilities Commission
g. Personnel skilled in GIS and/or HAZUS	N	Rely on County or Contractor
h. Scientists familiar with the hazards of the community	N	
i. Emergency manager	Y	Chief of Police
j. Grant writers	Y	On Contract
k. Staff with expertise or training in benefit/cost analysis	Y	Comptroller
*All communities participate in the National Flood Insurance Program; as such, they are required by the regulations to have an appointed floodplain manager.		



**Rensselaer County Multi-Jurisdictional Hazard Mitigation Plan Update  
Worksheet #4 – Capability Assessment Update**

**3. Fiscal Capability**

The table below summarizes financial resources available to the Town of North Greenbush:

<b>Fiscal Capability</b>	
<b>Financial Resources</b>	<b>Accessible or Eligible to use (Yes/No/Don't know)</b>
a. Community Development Block Grants (CDBG)	Yes, but they have concluded
b. Capital improvements project funding	Yes
c. Authority to levy taxes for specific purposes	Yes
d. Fees for water, sewer, gas, or electric service	Yes
e. Impact fees for homebuyers or developers for new developments/homes	Yes
f. Incur debt through general obligation bonds	Yes
g. Incur debt through special tax and revenue bonds	Yes
h. Incur debt through private activity bonds	Yes
i. Withhold spending in hazard-prone areas	Yes
j. State mitigation grant programs	No
k. Community Development Block Grants (CDBG)	Yes
j. Other	

**4. Community Classifications**

The table below summarizes classifications for community program available to the Town of North Greenbush:

<b>Community Classifications</b>		
<b>Program</b>	<b>Classification</b>	<b>Date Classified</b>
Community Rating System (CRS)	N/A	
Building Code Effectiveness Grading Schedule (BCEGS)	N/A	
Public Protection	N/A	
Storm Ready	N/A	
Firewise	N/A	

Notes:  
 - = Unavailable  
 N/A = Not applicable  
 NP = Not participating.

The classifications listed above relate to the Town of North Greenbush's ability to provide effective services to lessen its vulnerability to the natural hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various





## Rensselaer County Multi-Jurisdictional Hazard Mitigation Plan Update Worksheet #4 – Capability Assessment Update

forms of insurance. The CRS class applies to flood insurance, while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1,000 feet of a creditable fire hydrant and is within 5 road miles of a recognized fire station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO's Public Protection website at <http://www.isomitigation.com/ppc/0000/ppc0001.html>
- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>

### 5. Overall Capabilities and Political Willingness

Overall Capabilities				Political Willingness
Would you classify your community's overall legal and regulatory capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's overall technical capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's overall fiscal capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's overall administrative capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's willingness to enact policies and programs that reduce hazard vulnerabilities in your community as high, moderate, or low - even if met with opposition? (i.e., guiding development away from identified hazard areas)?
High	Moderate	Low	Moderate	High
<b>How can these capabilities be expanded and/or improved to reduce risk?</b>				
The lack of dedicated resources and budget prevent further progress in these important areas. Following a Major Disaster Declaration the town would apply for eligible hazard mitigation funding.				



Name: Michael Miner Title: Floodplain Manager/Floodplain Administrator/NFIP Coordinator

Community: Town of North Greenbush Email and Phone: building@northgreenbush.org 518-283-2714

## Worksheet 2 - NFIP

*Note: This form should be filled out by your floodplain administrator. Submittals should be returned via email to Jay Wilson at [jwilson@rensco.com](mailto:jwilson@rensco.com). Feel free to contact Anna Foley of AECOM if you have questions, at [anna.foley@aecom.com](mailto:anna.foley@aecom.com). All communities participating in the National Flood Insurance Program (NFIP) provided FEMA with a floodplain management ordinance and a designated floodplain administrator as a prerequisite to enter the program. All participating communities must provide the information below. Please return a copy of your floodplain management ordinance to us with this submittal.*

Adoption Date of your Current Floodplain Management Ordinance	Date of Entry into NFIP <sup>1</sup>	Position or Title of Your Jurisdiction's Designated Floodplain Manager/Administrator (may also be called NFIP Coordinator)	Is this person is a Certified Floodplain Manager?	Is floodplain management an auxiliary function?	Is your community in good standing with the NFIP?	
3/26/1987	6/18/80	Building Inspector	Yes   x   No	[ x   Yes     No	x   Yes     No	
Provide an explanation of NFIP administration services (i.e., permit review, GIS, education or outreach, inspections, engineering capability, etc.):						
Building Permit review, Site Plan Review, Zoning and Planning Board actions, inspections, engineering report reviews						
Describe barriers to running an effective NFIP program in the community (if applicable):						
NFIP Maps are only a 1" = 400' scale and without tax maps overlaying flood maps it difficult to determine floodplain boundaries.						
When was most recent FEMA Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?*	Is a CAV or CAC scheduled or needed?	Does the current floodplain management ordinance exceed FEMA or State minimum requirements? If so, describe how.	Is training of staff regarding NFIP issues planned?	Does your community intend to continue to enforce the floodplain management requirements including regulating new construction in Special Flood Hazard Areas (SFHAs)?	Does your community intend to continue its participation in the CRS program?	If your community is not currently participating in the CRS program, are you intending to initiate the process during the next planning cycle?
Unknown	Yes   x   No	Yes   x   No	Yes   x   No	x   Yes     No	Yes   x   No	Yes   x   No
*Describe any outstanding compliance issues (i.e., current violations):						
No issues or violation.						

<sup>1</sup> Your date of entry into the NFIP can be found at: <http://www.fema.gov/cis/NY.html> (column "Reg-Emer Date").



Representing: Town of North Greenbush

Email and Phone: building@northgreenbush.org 518-283-2714

Provide an explanation of your local floodplain permitting process:

Determination of floodplain boundary prior to issuance of building permit. Follow floodplain development process as established in town code.

Does your community intend to continue floodplain identification and mapping services including any local requests for map updates? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No	Does your community intend to initiate/continue the buyouts of repetitive loss properties? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No	Does your community intend to commit staff or resources to improve local mapping or code administration in the future? <input type="checkbox"/> Yes   <input type="checkbox"/> No	Does your community intend to provide local outreach to promote the sale of flood insurance? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No	Does your community intend to participate in RiskMAP meetings and planning initiatives? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No	Does your community intend to continue to implement structural improvements to mitigate against flooding - culverts, drainage basins, etc.? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No	Does your community intend to continue to implement home improvement programs designed to minimize basement flooding? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No	Does your community intend to continue to implement roadway improvements to reduce damage from future flooding events? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No	Does your community intend to implement plans and programs in coordination with a local or regional drainage/sewer authority? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No
Does your community intend to adopt the new FEMA Advisory Base Flood Elevations? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No	As Floodplain Manager, did you (or your predecessor at the time) actively participate in the development of the initial Hazard Mitigation Plan? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No		As Floodplain Manager, are you actively participating in the development of this Hazard Mitigation Plan Update? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No		Have there been any changes to your community's local floodplain management program since the last version of the plan in 2011? <input type="checkbox"/> Yes *   <input checked="" type="checkbox"/> No			

\* If you answered "yes", that there have been changes to your local program since 2009, please describe:

Provide a description of your community assistance and monitoring activities:

Provide education and town code info to home owners and developers to make them aware of the floodplain and development requirements.

NFIP participating communities are required to update/revise their floodplain management ordinance to ensure that it complies with the latest FEMA regulations. Will your community continue to commit to this program requirement? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No	NFIP participating communities are also required to update/revise their floodplain management ordinance to be consistent with the latest FIRMs. Will your community continue to commit to this program requirement? <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No
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Note: NFIP policy statistics by community are maintained at: <http://bsa.nfipstat.fema.gov/reports/1011.htm#NJ1>  
 NFIP claims data by community is maintained at: <http://bsa.nfipstat.fema.gov/reports/1040.htm#34>  
 Information about structures at risk of flooding can be found in the current Hazard Mitigation Plan.  
 All NFIP participating communities should encourage local residents to purchase and maintain flood insurance.

## Rensselaer County Multi-Jurisdictional Hazard Mitigation Plan Update Worksheet #6 – Plan Integration

For a community to succeed in reducing risk in the long term, the information and recommendations of the hazard mitigation plan must be integrated into day-to-day local government operations. Throughout the planning process, partnerships are formed between departments and agencies, and sustained actions between these partners will increase the community's resilience to disasters. "Plan integration" can be thought of as the process whereby each local government will incorporate the mitigation plan findings and projects into other planning mechanisms (governance structures that are used to manage local land use development and community decision making).

For this Plan Update, FEMA requires:

- a summary of each jurisdiction's past progress in plan integration over the last planning cycle; and
- a description of plan integration activities that each jurisdiction expects to undertake over the course of the next planning cycle.

This worksheet has been set up, therefore, into two components with each portion focusing on one of the bullets above.

- Demonstration of Progress over the Last Planning Cycle – In the first component of this worksheet (shaded in blue), we have reiterated the targeted plan integration activities that were included in the last version of the plan (Section 9, beginning on Page 9-4) in a tabular form, and are asking each community to describe their respective accomplishments since the plan was adopted five years ago.
- Targeted Plan Integration Activities for the Next Planning Cycle – Similarly, in the second component of this worksheet (shaded in yellow), we have outlined a series of plan integration activities for the next five-year planning cycle. Please document to FEMA the manner in which your community will commit to integrate the hazard mitigation plan into your local government operations from this point forward.

Where integration activities are carried out by another jurisdiction through an intergovernmental agreement or by another layer of government (such as the county), please include a note on the bottom of this form and reference the section number on this form that the note is referring to.

Completed worksheets should be returned to via email to Jay Wilson at [jwilson@renesco.com](mailto:jwilson@renesco.com). If you have questions or need help, please contact Anna Foley of AECOM at [anna.foley@aecom.com](mailto:anna.foley@aecom.com).

Name: Anthony Germano

Title: Comptroller

Community: Town of North Greenbush

Email and Phone: agermano@northgreenbush.org; 518-283-3525 x 19

**DEMONSTRATION OF PAST PROGRESS OVER THE LAST PLANNING CYCLE**

*Please check all activities that your municipality has undertaken over the last five years.*

<p>1. Check here if you (or your predecessor on the CPG) issued a letter to each of your community's department heads to solicit their support and explore opportunities for integrating hazard mitigation planning objectives into their daily activities?</p>	<input checked="" type="checkbox"/>
<p>2. A. Check here if you (or your predecessor on the CPG) worked with your planning department to educate them on the Hazard Mitigation Plan and encourage that on the next update of your master plan, general or comprehensive plan, hazard mitigation for natural hazards is addressed. Please describe your coordination efforts in the space below.</p>	<input checked="" type="checkbox"/>
<p>B. Check here if your municipality does not have a master, general, or comprehensive plan.</p>	<input type="checkbox"/>
<p>C. Check here if your master, general or comprehensive was updated since 2011.</p>	<input checked="" type="checkbox"/>
<p>D. If you checked box 2C, please check here if natural hazard risk/mitigation was incorporated into the updated document, and describe how in the space below.</p>	<input checked="" type="checkbox"/>
<p>E. If you checked box 2C, please check here if a specific hazard mitigation element was added to the document, and describe in the space below.</p>	<input type="checkbox"/>
<p>3. Check here if you (or your predecessor on the CPG) coordinated with your building department to ensure that they have adopted and are enforcing the minimum standards established in the current State-adopted IBC. Please describe your coordination efforts in the space below.</p>	<input checked="" type="checkbox"/>

<p>4. A. If your community participates in the NFIP and was only enforcing minimum requirements at the time of the first plan's adoption, check here if you (or your predecessor on the CPG) coordinated with your Floodplain Administrator to determine if enforcement beyond FEMA minimum requirements would be prudent for your community. Please describe your coordination efforts in the space below.</p>	<p>B. Check here if your community was already enforcing regulations beyond FEMA minimum requirements.</p> <p>C. Briefly explain here what is currently being enforced beyond FEMA minimum requirements. Using Town Code, Site Plan approval process and Building Inspector authority for higher floodplain ordinances, construction of drainage/retention ponds, on-site water reclamation systems, pro-active open spaces with new development.</p>	<p>D. Check here if your community has maintained its participation in the NFIP's Community Rating System (CRS).</p> <p>E. Check here if your community has joined the CRS since 2011.</p> <p>F. Check here if your community has dropped out of the CRS since 2011.</p>	<p>5. A. Check here if your community has a local zoning ordinance.</p> <p>B. Check here if you (or your predecessor on the CPG) worked with your local zoning board to educate them on the Hazard Mitigation Plan and encourage consideration of low occupancy, low-density zoning in hazard areas, when practicable. Please describe your coordination efforts in the space below. Building Inspector attends all Zoning Board Meetings and is cognizant of floodplain requirements, etc.</p>	<p>6. A. Check here if any job descriptions were revised to include mitigation-related duties to further institutionalize mitigation.</p> <p>B. If so, describe Building Inspector is the Floodplain Manager for the Town and coordinates such activities with the Planning and Zoning Boards, developers, etc.</p>	<p>7. A. Check here if capital or operating budgets were revised to include a line item for mitigation project funding.</p> <p>B. Check here if capital or operating budgets already included this when the plan was first adopted.</p>	<p>8. A. Check here if your local comprehensive plan was modified to add a hazard element.</p> <p>B. If so, describe. Plan was updated to include Haz. Mit. And risk reduction policies and procedures</p> <p>C. Check here if you do not have a local comprehensive plan.</p>
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9. A. Check here if your Department of Public Works has adopted more rigorous procedures for inspecting and cleaning debris from streams and ditches (i.e., more frequently).

B. If so, describe: Town budgets annually for Highway Dept. inspection and cleaning of debris from drainage ponds, culverts, etc.

10. A. Check here if your Planning Department has added hazard vulnerability to subdivision and site plan review criteria.

B. If so, describe: Risk assessment is done by the Building Inspector and Planning Board during the site plan review process.

11. (NOTE: A response to #11 is only required for RCBPS; all municipalities, please leave blank) Check here if RCBPS sought to identify a community conservation society or other interested voluntary organization to perform inventories of historic sites in hazard areas that might require special treatment to protect them from specific hazards

B. If so, describe: The town works with NYS Office of Historic Preservation and thru the SEQRA Process requires all developers to do such.

12. Check here if your community has reached out to partner groups in the community (i.e., nonprofit organizations, businesses, etc.) to identify those who may be willing to donate goods or services and create a database of contact information and indicated goods/services.

B. If so, describe: Town Policy requires all such activities to be coordinated with the Red Cross or other volunteer organizations authorized in time of disaster to perform such activities.

13. Check here if your community has actively sought citizen volunteers to help implement mitigation programs and activities.

B. If so, please describe:

14. A. (NOTE: A response to #14A is only required for RCBPS; all municipalities, please leave blank) Check here if a list was compiled of state agencies that can lend their time, expertise and funds to the implementation of hazard mitigation projects.

B. (NOTE: A response to #14 is only required for RCBPS; all municipalities, please leave blank) Check here if assistance was provided to participating jurisdictions in reaching out to state agencies for support.

C. If A or B was checked, please describe:

15. A. NOTE: A response to #15A is only required for RCBPS; all municipalities, please leave blank) Check here if RCBPS

has reached out to colleges and universities for technical assistance with hazard mitigation activities.	
B. If so, please describe.	
16. A. Check here if your community has met at least once with your local library staff members to discuss the mitigation plan so they are well-versed in its purpose and understand where to direct interested parties for more information, to provide feedback, or to become involved.	X
B. If so, please describe. Meeting with Library Staff to review Haz Mit process and how to direct interested parties for more information, etc.	X

### TARGETED PLAN INTEGRATION ACTIVITIES FOR THE NEXT PLANNING CYCLE

Please check all activities that your municipality is committing to undertake over the next five years.

1. CPG member will issue a letter to each department head to solicit their support and explore opportunities for further integration of hazard mitigation into the daily activities of the community as a whole.	X
2. A. Incorporate hazard mitigation for natural hazards in the next update of your master, general or comprehensive plan.	X
B. Add a specific hazard mitigation element to the next update of your master, general or comprehensive plan.	X
3. Adopt and enforce the minimum building standards established in the current State-adopted IBC (NY edition).	X
4. A. Maintain community participation in FEMA's National Flood Insurance Program.	X
B. Enforce codes and standards beyond FEMA minimum requirements.	X
C. Join (or continue to maintain participation in) the NFIP's Community Rating System.	X
5. Steer growth and development away from high risk locations by using the risk assessment from the hazard mitigation plan as a tool to monitor future updates of community land use plans, zoning and subdivision codes and the development review process.	X
6. Modify work plans, policies or procedures to include hazard mitigation concepts/activities.	X
7. Revise job descriptions to include mitigation-related duties to further institutionalize mitigation.	X
8. Revise capital or operating budgets to include a line item for mitigation project funding.	X
9. Issue directives to require departments/agencies in the community to carry out certain hazard mitigation activities.	X



10. Require the Department of Public Works to inspect and clean debris from streams and ditches more frequently.	X
11. Add hazard vulnerability to subdivision and site plan review criteria.	X
12. Perform inventories of historic sites in hazard areas in your community to identify where special treatment may be needed to protect them from specific natural hazards.	X
13. Reach out to state agencies for assistance with natural hazard mitigation activities.	X
14. Reach out to colleges and universities for technical assistance with natural hazard mitigation activities.	X
15. Adopt (or continue to enforce) a local stormwater management plan/ordinance.	X
16. Protect life and property in high hazard areas by limiting densities of new development.	X
17. Increase resilience by limiting the extension of public infrastructure in high hazard areas.	X
18. Reduce the vulnerability of future development in high hazard areas by reviewing development regulations, and modifying where needed.	X
19. Use the risk assessment to inform future updates of the community emergency operations plan, evacuation plan, and/or post disaster recovery plan.	X
20. Implement hazard mitigation activities through existing plans and policies.	X
21. Sponsor training on best practices for hazard mitigation for local government staff. (Note: this may be accomplished with other local governments.)	X



## Rensselaer County Multi-Jurisdictional Hazard Mitigation Plan Update *Worksheet #3 – Growth/Development Trends Update*

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Performing an assessment of Growth/Development Trends is one step of a FEMA-approved hazard mitigation plan update. This look into the future is important because development in hazard areas could put more assets at risk and, in turn, could work to increase potential disaster-related damages at a time when the mitigation plan's purpose is to reduce the potential for damages emanating from natural disasters. Growth/development trends are based on the construction of new buildings, demolition of old buildings, or the planning, zoning or subdivision of new areas for development. A stagnant or decreasing population alone is not reason for stating that no development has occurred, unless backed up by a lack of development.

An evaluation of growth/development trends was undertaken by each participating jurisdiction as part of the development of the initial plan. Your municipality's prior response from the 2011 Plan's "Growth/Development Trends" section (Section 3, Table 3d.4) is included on the next page. Please review your community's prior feedback, and identify any changes that have occurred since that time so the most current information can be reflected in this first plan update.

**On the attached pages, you will find a copy of your community's feedback from the 2011 plan. Please review this information, and provide updates as applicable. Please prepare and return all responses electronically in Microsoft Word.** Feedback should be returned via email to Jay Wilson at [jwilson@renesco.com](mailto:jwilson@renesco.com).

If you have questions or need help, please contact Anna Foley of AECOM at [anna.foley@aecom.com](mailto:anna.foley@aecom.com) or 973-883-8562.

*Thank you for your engagement in this important step of the process!*

# Rensselaer County Multi-Jurisdictional Hazard Mitigation Plan Update Worksheet #3 – Growth/Development Trends Update

<b>Jurisdiction:</b>	Town of North Greenbush		
<b>Name:</b>	Anthony J. Germano	<b>Email:</b>	agermano@northgreenbush.org
<b>Title:</b>	Comptroller	<b>Phone:</b>	518-283-3525 x 19

## 1. Growth/Development Trends in the 2011 Plan

For your reference, these are the Growth/Development Trends in Hazard Areas as reported by your community during the development of the initial 2011 Plan and as summarized in Section 3, Table 3d.4.

Summary of Responses	
Land Uses and Development Trends Questionnaire (Source: Core Planning Group Members)	
Community	Regulations/Codes/Ordinances To Protect New Development From Natural Hazards
<p>North Greenbush, Town of</p> <p><i>Describe development trends occurring within your jurisdiction, such as the predominant types of development occurring, location, expected intensity, and pace by land use.</i></p> <p>Over the last 5 years the town has experienced anticipated significant controlled residential and commercial/retail growth along primary and secondary road networks. Projects completed or in construction include: 248 up-scale apartments units; 144 Senior citizen apartments; 310 town homes/condominiums; 150 single family homes; 2 new Credit Unions; 31,725 sq. ft. Retail Mall with Stewarts, Restaurants, and other retail stores; 36,000 sq.ft. commercial building housing a Panera Bread, Kidney Dialysis Center and Professional Offices; Shoprite Supermarket Plaza Shopping Center with 20+ retail, restaurant, bank, etc. establishments; new \$6.9 million state-of -the-art Defreestville Fire Department building; and a 40,000 sq.ft. Community Care Physicians medical facility. In addition, the RPI Tech Park along the Route 4 corridor will be home to some 1100 employees in a 217,000 existing building for Regeneron Pharmaceuticals. In most cases, the developer for these projects has extended municipal services that include water, sewer and required storm water containment and drainage.</p>	<p><i>Describe any regulations/ordinances/codes your jurisdiction enforces to protect new development from the effects of natural hazards.</i></p> <p>The town employs a full-time building inspector and code enforcement officer, a fire inspector and a part-time utilities inspector. A consulting engineer provides required engineering assistance to the Planning Board and Zoning Board of Appeals on all development projects. The town Comprehensive Plan was updated to comply with required building and fire safety codes and storm water management criteria. Town staff are tasked to insure compliance various building and fire safety and storm water management codes prescribed by the Federal, State and town regulations and that building projects as well as existing establishments remain in compliance. The Utilities Inspector oversees installation of municipal water and sewer infrastructure and, along with the Highway Superintendent, assures compliance with MS-4 regulations. The town now maintains 18 separate storm water drainage ponds that were required as part of subdivision approvals. The Town Highway Budget now collects and reserves annual revenue (\$5,000 to \$7,000) each year for storm water drainage maintenance. The town The Highway Superintendent along with our Consulting Engineer recently performed a survey of 21 culvert pipes, ditches, catch basins, etc. that will require some level of repair or maintenance to ensure effective flow of water. The Building Inspector and Consulting Engineer and the Planning Board are responsible for reviewing all proposed building projects to ensure compliance before approval is granted, which includes adherence to the Town's Flood Damage Prevention and Storm Water Management Code. The town constructed a new Brookside Avenue Bridge over the Wynantskill Creek in 2015 which has abated creek flooding that is experienced during significant rain or snowmelt.</p>

## 2. Growth/Development Trends in Hazard Areas for this Plan Update

Please complete the following table as you wish it to appear in this plan update for your municipality.

Worksheet #3: Growth/Development Trends



**Rensselaer County Multi-Jurisdictional Hazard Mitigation Plan Update  
Worksheet #3 – Growth/Development Trends Update**

<b>New Development/Potential Development in Municipality (for this plan update)</b>						
Are there any changes to the 2011 assessment? (yes/no)						
No						
Land Uses and Development Trends in Hazard Areas. Describe development trends occurring within your jurisdiction, such as the predominant types of development occurring, location, expected intensity, and pace by land use.						
See above						
Regulations/Codes/Ordinances To Protect New Development From Natural Hazards. Please identify jurisdictional regulations/ codes/ ordinances in place in your community that will work to protect new development from the effects of natural hazards.						
See above						
Is major development planned? (yes/no)						
No specific major projects have yet been approved						
If major development is planned, please complete the rows below.						
<b>Property Name</b>	<b>Type (Residential or Commercial)</b>	<b>No. of Structures</b>	<b>Address</b>	<b>Block and Lot</b>	<b>Known Hazard Zone</b>	<b>Description /Status</b>