

Town of North Hempstead Annex

This document presents the Town of North Hempstead’s annex to the *Nassau County Multi-Jurisdictional Hazard Mitigation Plan*.

Hazard Mitigation Plan Points of Contact

The individuals below have been identified as this jurisdiction’s points of contact for the hazard mitigation plan. These individuals are members of the Planning Committee that met regularly for the update of this plan and will continue to meet in the years ahead to implement it.

Primary Point of Contact	Alternate Point of Contact
Shawn Brown, Commissioner Department of Public Safety 51 Orchard Street Roslyn Heights, NY 11577 516-869-6311	None Provided

Profile

The Town of North Hempstead covers approximately 53.51 square miles¹ and has a total population of 230,933 according to the American Community Survey 5-year 2018 Estimates. Some of the demographics of the Town of North Hempstead are summarized in Table 1. This information supported the development of mitigation actions that account for the needs of the most vulnerable individuals in the community.

Table 1: Town of North Hempstead Demographic Information

Demographic		Demographic	
Below 5 Years Old	5.6%	Black or African American alone	6.1%
Above 65 Years Old	19.4%	American Indian and Alaska Native alone	0.2%
Individuals with Disabilities	3.7%	Asian alone	18.4%
Persons in Poverty	5.2%	Native Hawaiian and other Pacific Islander alone	0.1%
Renters	21.7%	Two or More Races	2.3%
Without a High School Diploma	8.3%	White alone, not Hispanic or Latino, percent	59.5%
Without Access to Broadband Internet	10.5%	Hispanic or Latino	14.3%

¹ This is inclusive of land area only.

North Hempstead has seen the re-utilization and development of local industrial, retail, and office space buildings. Retail centers are emerging along populated commercial roads. While the Town has made efforts to maintain open space, such as harbors and green space, North Hempstead is largely a suburban area. The jurisdiction itself lay near water; therefore, the 100-year floodplain is considered in its development. By understanding these development trends and how they intersect with hazard-prone areas, this allows for current and future vulnerabilities to be planned for and avoided.

Refer to the **County Profile** section of this plan for additional information related to current and future conditions of the County’s vulnerable population and the natural environment. This information provides important context for understanding hazard mitigation planning.

Hazard Vulnerability

This section summarizes how the natural hazards profiled in Section 4 of this plan impact the Town of North Hempstead. The jurisdiction identified Coastal Hazards, Hurricane, and Severe Winter Weather as natural hazards that impact the community. Table 2 shows the sectors of the community that are most likely to be impacted by each hazard. The categories that were considered included the community, economy, health and social services, housing, infrastructure, natural and cultural resources, or no impact. No impact indicates that the jurisdiction did not identify a noticeable impact from the hazard over the past five years, even if the hazard occurs. This information was used to develop a relevant and effective mitigation strategy for the jurisdiction. Detailed hazard event histories, critical facility exposure, and additional vulnerability information can be found in each hazard profile in Section 4 of this plan.

The hazards that most impact the Town of North Hempstead include:

Coastal Hazards, Hurricane, and Severe Winter Weather.

Table 2: Town of North Hempstead Hazard Impacts

Hazard	Impact Categories
Coastal Hazards	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural and Cultural Resources
Drought	No Impact
Extreme Temperatures	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural and Cultural Resources
Flooding	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural and Cultural Resources
Ground Failure	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural and Cultural Resources
Hurricane and Tropical Storms	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural and Cultural Resources
Hail	No Impact
Lightning	Community, Economy, Housing, Infrastructure, Natural and Cultural Resources

Hazard	Impact Categories
Severe Winter Weather	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural and Cultural Resources
Tornados	No Impact
Wind	Community, Economy, Health and Social Services, Housing, Infrastructure, Natural Cultural Resources

Capability Assessment

This section summarizes the capabilities that the Town of North Hempstead has in place that can support hazard mitigation. These capabilities include plans, ordinances, staff, financial resources, and program participation. This Capability Assessment was used to help drive the identification and development of the projects presented in the Mitigation Strategy to make sure that they are appropriate in scope and achievable to implement.

Legal and Regulatory Capability Assessment

Table 3 lists the assessment of existing legal and regulatory tools for the Town of North Hempstead. The Town of North Hempstead maintains several key administrative and technical capabilities to support mitigation, including building codes, capital improvement plans, community development plans, comprehensive/master plan, economic development plans, emergency response plans, floodplain management plans, open space plans, post disaster recovery plans, resilience plans, site plan review requirements, stormwater management plans, subdivision ordinances, and zoning ordinances. These capabilities are critical to consider as tools in developing and implementing mitigation strategies. To further enhance their mitigation capabilities, the Town can consider the capabilities in the table below that the Town currently does not have. These additional capabilities would either support creating a legal framework or strategy for implementing a diversity of mitigation actions.

Table 3: Town of North Hempstead Existing Legal and Regulatory Capabilities

Regulatory Tool	Yes / No	Citation (if applicable)
Access and Functional Needs Plan	No	
Building Code	Yes	NY State Building & Town Code
Capital Improvement Plan	Yes	2020 Capital Plan
Climate Action Plan	No	
Community Development Plan	Yes	Community Development Block Grant / Town of North Hempstead Community Development Agency
Comprehensive Plan / Master Plan	Yes	2019 North Hempstead Cultural Master Plan
Economic Development Plan(s)	Yes	The Supervisor's Chamber of Commerce Roundtable was instituted in 2018 to see how the Town can work together with the Chambers to address the challenges our downtowns are facing.

Regulatory Tool	Yes / No	Citation (if applicable)
Emergency Response Plan(s)	Yes	2019 Comprehensive Emergency Management Plan
Floodplain Management Plan(s)	Yes	Town Code. All construction within flood plans must file a separate flood plain permit.
Growth Management Plan(s)	No	
NFIP Flood Damage Prevention Ordinance(s)	No	
Open Space Plan(s)	Yes	Regulated by Town Code
Post Disaster Recovery Ordinance(s)	No	
Post Disaster Recovery Plan(s)	Yes	Regulated by Town Code
Real Estate Disclosure Requirements	No	
Resilience Plan(s)	Yes	Regulated by Town Code
Site Plan Review Requirement(s)	Yes	Regulated by Town Code
Small Area Development Plan(s)	No	
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	Yes	Regulated by Town Code
Subdivision Ordinance(s)	Yes	Regulated by Town Code
Transportation Plan(s)	No	
Zoning Ordinance(s)	Yes	Regulated by Town Code

Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Town of North Hempstead. The Town of North Hempstead has a high-level of primary administrative and technical capabilities to support mitigation. This includes engineering, grant writing, administration, construction, analysis, and planning. Increasing training capacity and expertise of these individuals will support mitigation practice in the Town.

Table 4: Town of North Hempstead Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)	No	
Engineer(s) trained in construction practices related to buildings/infrastructure	Yes	Jill Guiney, Donna Plante, Miles Mott
Engineer(s) with an understanding of natural and/or human caused hazards	Yes	Jill Guiney
Engineer(s) with knowledge of land development and land management practices	Yes	Jill Guiney

Staff / Personnel Resource	Yes / No	Details
Grant Writers	Yes	Thomas Devaney
Personnel skilled or trained in Geographic Information Systems	Yes	Michael Levine, Michael Tumbarello
Personnel trained in construction practices related to buildings/infrastructure	Yes	Building Department
Planner(s) with an understanding of natural hazards	Yes	Michael Levine, Kevin Braun
Planner(s) with knowledge of land development and land management practices	Yes	Michael Levine
Scientist(s) familiar with natural hazards	No	
Surveyors	No	

Fiscal Capability Assessment

Table 5 lists the assessment of existing fiscal tools for the Town of North Hempstead. Funding is often the biggest barrier when implementing mitigation programs. The Town is primarily able to fund mitigation programs by incurring debt through general obligation bonds, levying taxes for specific purposes, capital improvements project funding, CDBG programs, impact fees for home buyers and/or developers, and state mitigation grant programs. The Town of North Hempstead should consider exploring additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Town of North Hempstead Existing Fiscal Capabilities

Resources	Yes / No	Additional Details
Ability to incur debt through general obligation bonds	Yes	Roads, parks and equipment.
Ability to incur debt through private activity bonds	No	
Ability to incur dept through special tax bonds	No	
Authority to levy taxes for specific purposes	Yes	Special Districts or Authorities.
Authority to utilize user fees for utility services	No	
Authority to withhold public expenditures in hazard prone areas	No	
Capital improvements project funding	Yes	2020 Capital Plan

Resources	Yes / No	Additional Details
Community Development Block Grants (CDBG)	Yes	The Town of North Hempstead Community Development Agency
Impact fees for home buyers and/or developers	Yes	The Town of North Hempstead Community Development Agency The Town of North Hempstead Community Development Agency
State mitigation grant programs	Yes	New storm drains on Crescent Drive in Albertson.

Community Classification Assessment

Table 6 lists the assessment of existing community classifications for the Town of North Hempstead. Participation in the BCEGS and Climate Smart Community program demonstrates increased capabilities of the Town related to mitigation. Exploring gaining additional community classifications will guide the Town's mitigation programs and support capacity building.

Table 6: Town of North Hempstead Community Classifications

Classification	Yes/No (or Status)
Building Code Effectiveness Grading Schedule (BCEGS)	Yes
Public Protection Classification Program	No
Community Rating System (CRS)	No
Other Classifications	Climate Smart Community

National Flood Insurance Program Summary

This section provides a summary of the floodplain management capabilities for Town of North Hempstead and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP). There are only 35 properties in the Town's jurisdiction that are located in the flood zone. The majority of these properties are along Main Street and Shore Road in Port Washington. Nearly the entire coastline of the Town falls within the jurisdiction of various villages.

The Town's Building Commissioner is responsible for floodplain management. The Town administers the NFIP by requiring that all construction within floodplains file a separate floodplain permit. The Town did not note any current barriers to running a successful NFIP program. The flood maps for this jurisdiction accurately portray the current flood risk. There are currently no RiskMAP projects ongoing in this jurisdiction.

After flood events, substantial damage determinations are made through in-person site inspections.

No properties in the jurisdiction have been substantially damaged as a result of recent flood events. The Town of North Hempstead is in good standing with the NFIP. Based on documentation received from NYSDEC, the town had its last Community Assistance Contact on 12/05/2012 and its last Community Assistance Visit on 09/25/2015. There are no NFIP compliance violations that need to be addressed in this jurisdiction.

The Town is installing a new bulkhead at 10 Shore Road, in Greenvale, to help mitigate future erosion. The Flood Damage Prevention Ordinance for the Town of North Hempstead meets minimum requirements. The ordinance was last amended 06/23/2009 and can be referenced in L.L. No. 13-2009.

Mitigation Strategy

The following section provides an overview of the mitigation strategy for Town of North Hempstead. It provides an overview of the jurisdiction's previous mitigation actions, proposed actions, and the NYS mitigation worksheets.

Previous Mitigation Actions

Action	Ros1-Submit request to utility to conduct line clearance in R.O.W area in affected communities	Curb / bulkhead improvement	Encasement of sanitary sewer line-prevents a potential for a severe environmental incident affecting Hempstead Harbor	Add drainage structures-replace damage, aging structures and divert water from natural slopes.	A permanent generator will be installed at Plant No.8. It will have sufficient capacity to allow the site to provide potable water to quickly respond to the community's needs.	Two existing generators will be replaced to strengthen the reliability of the emergency distribution system to help ensure the hospital will have adequate emergency power during events when local utility power is not available for several days.
Risk Category	Power loss-Due to down trees	Flooding	Vulnerability of sanitary sewer line	Mudslide-Landslide from stormwater	Frequent power outages	Loss of electrical power
Project Status	No provided	No provided	No provided	No provided	No provided	No provided
Project Status Description	No provided	No provided	No provided	No provided	No provided	No provided
Carried Forward to 2020 Plan	No provided	No provided	No provided	No provided	No provided	No provided
Required Changes	No provided	No provided	No provided	No provided	No provided	No provided

Proposed Mitigation Actions

Project Table #1 – 9:

Project Number	TNH_1	TNH_2	TNH_3	TNH_4	TNH_5	TNH_6	TNH_7	TNH_8	TNH_9
Project Name	Bayview Ave	Bayview Ave - Manhasset Project	Document Digitizing	Harbor Hills Park	Manhasset Valley Park	Mill Pond	New Hyde Park	NHBP Seawall	North Hempstead Beach Park
Goal being met	3	3, 4	2	1, 3	1, 3	1, 3	1, 3	2, 3	1, 2, 3
Hazards to be mitigated	Tidal Flooding	Flooding	Flooding, Critical Infrastructure, Etc.	Flooding	Flooding	Flooding	Flooding	Flooding	Flooding & Dangers to health and safety
Description of the Problem	Tidal Flooding occurs along Bayview Ave	The current shoreline infrastructure does not completely prevent shoreline erosion	The Town wanted to go paperless in order to be able to maintain continuity of government. Although many departments have moved in this direction, historical records have not been completed.	The seawall was damaged beyond 50% the threshold during Hurricane Sandy	The current infrastructure of the retention pond does not allow for adequate drainage	The area around the tidal pond floods during times of heavy rain	The current drainage infrastructure in New Hyde Park is insufficient for typical drainage needs	Currently the parking lots flood at the beach park. This happens even with tidal surges. It has happened during events, and many cars were damaged.	Flooding occurs at North Hempstead Beach Park during times of heavy rainfall
Description of the Solution	implement a riprap and bulkhead to prevent flooding on Bayview Ave.	Backfill over 1000 Feet of shoreline	Hire an electronic document scanning service that would digitize each document	Repair and mitigate the seawall	Dredge the retention pond to create more room for drainage	Remove and Replace the swell separators	Hinge the neighborhood drainage	Reconfiguration of the parking lot with increased wetlands and riprap will allow for the tidal surges to take place without flooding the new parking lot.	Shrinking the asphalt area through removal of asphalt & concrete from the waterway and boat ramp; restoring the bulkhead, and restoring the wetlands that will accept the tidal surges and stop the flooding
Critical Facility	No	No	No	No	No	No	No	No	No
EHP Issues	No	No	No	No	No	No	No	No	Unknown
Estimated Timeline	5 years	Target Date: 2014 - 2015	Target Date: 2015 - 2016	Target Date: 2014 - 2015	Target Date: 2014-2015	Target Date: 2014 - 2015	Target Date: 2014 - 2015	1 Year	Target Date: 2014 - 2015

Project Number	TNH_1	TNH_2	TNH_3	TNH_4	TNH_5	TNH_6	TNH_7	TNH_8	TNH_9
		Status: In Progress and undergoing permits from the DEC	Status: Not Started	Status: The Seawall is in the process of undergoing permit approvals with the New York State Department of Environmental Conservation (NYS DEC)	Status: Not Started	Status: Not Started	Status: Not Started		Status: In Progress
Lead Agency	Town of North Hempstead	OEM	OEM	OEM	OEM	OEM	OEM	Town of North Hempstead	OEM
Estimated Costs	\$100,0000	\$300,0000	\$200,0000	\$250,0000	\$900,0000	\$200,0000	\$500,0000	\$200,0000	\$750,0000
Estimated Benefits	This road is an evacuation route on the Peninsula	This will prevent shoreline erosion and flooding	Historical records would be preserved electronically and enhance continuity of operations	Repairing the seawall would decrease the risk of flooding in the Harbor Hills Park area	This action would increase the drainage capacity of the retention pond, decreasing the risk of flooding	This action would decrease flooding in the area surrounding tidal pond	This action would increase the drainage capacity of the Tully Park area	This action is expected to save the Town millions in flood damages	The proposed actions would halt flooding, increase capacity for accepting tidal surges, and decrease risk to resident health and safety
Potential Funding Sources	406 Mitigation Funding	This project was awarded funding from the FEMA 406 program.	Municipal Budget	This project received funding under FEMA's 406 program.	Municipal Budget	Municipal Budget	Municipal Budget	HMPG	Municipal Budget, FEMA GrantD133H137D134:P139D132:P139H137D134:P139D2:P1D131:P139

Project Table #10 – 18:

Project Number	TNH_10	TNH_11	TNH_12	TNH_13	TNH_14	TNH_15	TNH_16	TNH_17	TNH_18
Project Name	Outfall Sewer	Port Washington Fire Station Generators	Port Washington Flooding Project	Retention Pond Dredging	Roslyn Pond Project	Town Hall Generator	Town Sumps Upgrade	Tully Park Generator	Tully Park Pipe

Project Number	TNH_10	TNH_11	TNH_12	TNH_13	TNH_14	TNH_15	TNH_16	TNH_17	TNH_18
Goal being met	3, 4	2, 3	3, 4	3, 4	1, 3	2	1, 3	2	1, 3
Hazards to be mitigated	Power Outages	Loss of Electrical Power	Flooding	Flooding	Flooding	Continuity of Governmental Operations	Flooding & Drainage	Loss of Electrical Power	Flooding
Description of the Problem	The current pumping station does not adequately pump wastewater during high tides and storm surges	Currently fire stations are not able to handle community demands during frequently experienced power outages	The current drainage infrastructure does not prevent flooding	Hurricane Sandy produced conditions which required ponds to be dredged throughout the Town	Roslyn Pond rains during times of heavy rainfall	Town Hall currently has a partial emergency power generator and not all offices are powered.	The current recharge basin does not effectively prevent flooding	Tully Park Center was used as a temporary shelter for electrical workers during Hurricane Sandy, however only a partial generator was available	The current drainage infrastructure in Tully Park is insufficient for typical drainage needs
Description of the Solution	Construct a new 24 inch outfall sewer buried to the desired depth and new effluent pumping station to pump the treated wastewater during high tides and storm surges. The new outfall sewer will be installed using directional drilling method.	Install a permanent generator at the Port Washington Fire Stations.	Rehabilitate the drainage to alleviate future flooding	Dredge each retention pond and install fallout pipes	Dredge out the silt	A full Natural Gas Generator with an automatic transfer switch will allow for continuity of operations.	Upgrade the existing recharge basins	A permanent generator would be utilized during times when electrical power is lost and increase the capacity to fully generate the facility	Replace drainage pipe, and add cleanouts
Critical Facility	No	Yes	No	No	No	No	No	No	No
EHP Issues	No	No	No	No	No	No	No	No	No
Estimated Timeline	Target Date: 2014 - 2015	Target Date: 2014 - 2016	Target Date: 2014 - 2015	Target Date: 2014 - 2015 Status:	Target Date: 2014 - 2015 Status:	1 Year	Target Date: 2014-2015	Target Date: 2014 - 2015	Target Date: 2014 - 2015

Project Number	TNH_10	TNH_11	TNH_12	TNH_13	TNH_14	TNH_15	TNH_16	TNH_17	TNH_18
	Status: In Progress	Status: Not Started	Status: Not started	In Progress, some retention ponds have been dredged	In progress, the Town hired a contractor to start this project in April 2020		Status: In Progress	Status: Not Started	Status: Not Started
Lead Agency	Belgrave Water Pollution Control	Port Washington Fire Department	OEM	OEM	OEM	Town of North Hempstead	OEM	OEM	OEM
Estimated Costs	10,275,000`	\$795,800	\$1,200,0000	\$2,500,000	\$4,500,000	\$1,000,000	\$1,500,000	\$700,000	\$10,000,000
Estimated Benefits	This action will provide adequate pumping capability for treated wastewater during high tides and storm surges.	A permanent generator will allow Port Washington Fire Station's to have sufficient capacity to respond to the community's needs	This action will help eliminate area flooding in the future	The proposed action would prevent area flooding	Dredging out the Roslyn Pond Slit would prevent flooding	Actions would ensure governmental continuity of operations and are expected to save the Town millions	This upgrade would protect from future flooding, as well as wear and tear of the roads	A permanent generator will allow Tully Park Center to be utilized as a temporary shelter during emergencies and disasters without the risk of limited electrical power access	This action would increase the drainage capacity of the New Hyde Park area
Potential Funding Sources	EFC awarded a \$5-million WQIP grant and gave notice to proceed, however due to the Pandemic, they put the grant project on hold.	HMPG	Unknown this project was halted due to a lack of funding	This project was awarded funding from the FEMA 406 program.	Funded through FEMA 406 funding, in conjunction with other capital improvements to the park	HMGP	Municipal Budget, FEMA Grant	Municipal Budget, FEMA Grant	Municipal Budget

Mitigation Action Worksheets

The following pages contain mitigation action worksheets that provide additional detail some of the jurisdiction's proposed mitigation actions.

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: [Town of North Hempstead]

NYS DHSES Action Worksheet			
Project Name:	[Town Hall Generator]		
Project Number:	[Leave Blank]		
Risk / Vulnerability			
Hazard of Concern:	[Continuity of Governmental Operations]		
Description of the Problem:	[Town Hall currently has a partial emergency power generator and not all offices are powered.]		
Action or Project Intended for Implementation			
Description of the Solution:	[A full Natural Gas Generator with an automatic transfer switch will allow for continuity of operations.]		
Is this project related to a Critical Facility?		Yes []	No [X]
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	[Full]	Estimated Benefits (losses avoided):	Actions would ensure governmental continuity of operations and are expected to save the Town millions
Useful Life:	[20 Years]		
Estimated Cost:	[\$1,000,000]		
Plan for Implementation			
Prioritization:	[Leave Blank]	Desired Timeframe for Implementation:	[5 years]
Estimated Time Required for Project Implementation:	[1 Year]	Potential Funding Sources:	[HMGP]
Responsible Organization:	[Town of North Hempstead]	Local Planning Mechanisms to be Used in Implementation, if any:	[N/A]
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	[No action]	[No Cost]	[]
	[Close down government operations]	[No Cost]	[The cost would be millions for the town. Not feasible for the governmental needs of the Town]
	[Prepare employees to work remotely]	[Minimal]	[Not practical to adequately provide City services.]
Progress Report (for plan maintenance)			
Date of Status Report:	[]		
Report of Progress:	[]		
Update Evaluation of the Problem and/or Solution:	[]		

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: [Town of North Hempstead]

NYS DHSES Action Worksheet			
Project Name:	[NHBP Seawall]		
Project Number:	[Leave Blank]		
Risk / Vulnerability			
Hazard of Concern:	[Prevent Flooding]		
Description of the Problem:	[Currently the parking lots flood at the beach park. This happens even with tidal surges. It has happened during events, and many cars were damaged.]		
Action or Project Intended for Implementation			
Description of the Solution:	[Reconfiguration of the parking lot with increased wetlands and riprap will allow for the tidal surges to take place without flooding the new parking lot.]		
Is this project related to a Critical Facility?		Yes []	No [X]
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	[Full]	Estimated Benefits (losses avoided):	[This action is expected to save the Town millions in flood damages]
Useful Life:	[20 years]		
Estimated Cost:	[\$2,000,000]		
Plan for Implementation			
Prioritization:	[Leave Blank]	Desired Timeframe for Implementation:	[5 Years]
Estimated Time Required for Project Implementation:	[1 Year]	Potential Funding Sources:	[HMGP]
Responsible Organization:	[Town of North Hempstead]	Local Planning Mechanisms to be Used in Implementation, if any:	[N/A]
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	[Seawall]	[\$5,000,000]	[This action would push tidal surges elsewhere]
	[No action]	[\$0]	[]
	Move parking lots to be further from the cost]	[Minimal]	[This action would not provide adequate access to the beach park.]
Progress Report (for plan maintenance)			
Date of Status Report:	[]		
Report of Progress:	[]		
Update Evaluation of the Problem and/or Solution:	[]		