

## **A Critical and Community Facilities Vulnerability Assessment**

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The identification of Critical and Community Facilities within the Town is integral to determining what facilities may be at risk from a natural disaster. See Chapter **5 COMMUNITY VULNERABILITY ASSESSMENT AND LOSS ESTIMATION** for summarization and a list of problem statements.

<b>Facility Name</b>	<b>Street Address (911)</b>	<b>Phone</b>	<b>Structure Replacement Value* \$</b>	<b>Primary Hazard Vulnerabilities</b>
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### **Critical Facilities**

- Essential Facilities
- Utilities
- Dams
- Bridges
- Shelters, Schools, and Medical Facilities

### **Community Facilities**

- Vulnerable Populations
- Economic Assets
- Cemeteries and Churches
- Hazardous Materials Facilities
- Historic Sites and Buildings
- Recreational and Gathering Sites
- One Egress Residential Developments
- Future Development

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How many parcels are within the Town:	3,433
Net Valuation of Buildings and Land, 2017	\$1,253,637,790
Total Structure ONLY Value of ALL Structures:	\$942,937,900
Total Value of ALL Utilities in Town:	\$181,986,434

Source of data for each row Town Assessor

USE these Hazard Risk Assessment Natural Hazards Groupings:  
\*not natural but associated with Flood/Wind

- ❖ FLOOD [Floods and Flash Floods, Rapid Snow Pack Melt]
- ❖ ICE JAM [River Ice Jams]
- ❖ SCOURING, EROSION [Riverine Scouring, Erosion, Channel Movement]
- ❖ WIND [Tornadoes, Downbursts, Hurricanes and Tropical Storms]
- ❖ STORMS [Severe Winds, Rain Storms and Thunder Storms]
- ❖ LIGHTNING
- ❖ WILDFIRE
- ❖ WINTER [Severe Winter Weather and Ice Storms]
- ❖ DROUGHT
- ❖ HEAT [Excessive Heat]
- ❖ EARTHQUAKE
- ❖ LANDSLIDE
- ❖ DAM [Dam Failure]\* or DEBRIS [Debris Impacted Infrastructure]\*

USE these Other Hazards if Necessary:

- ❖ HAZARDOUS MATERIALS
- ❖ PUBLIC HEALTH
- ❖ SABOTAGE, VANDALISM, CIVIL DISTURBANCE, HOSTAGE

Valuations provided by the Bow assessing database or by  
<https://www.axisgis.com/BowNH/> Mar-18

The Problem Statements shown here are in a draft state. See the Bow Hazard Mitigation Plan 2018 Chapter 5 for the final Problem Statements.

Table  
Essential Facilities

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
Department of Public Works	12 Robinson Road	223-3930	\$4,826,900	Wind, Lighting, Storms, Winter, Heat, Material, Public Health, Sabotage, Vandalism, Hostage
Municipal Building (Town Offices)	10 Grandview Road	223-3912	\$3,070,200	Wind, Lighting, Storms, Winter, Heat, Material, Public Health, Sabotage, Vandalism, Hostage
Safety Center (Fire, Police and Emergency Management)	7 Knox Road	223-3940	\$5,100,000	Wind, Lighting, Storms, Winter, Heat, Earthquake, Hazardous Materials, Public Health, Sabotage, Vandalism, Hostage
Town Salt Shed	12 Robinson Road	223-3930	\$45,000	Flood, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Hazardous Materials, Public Health, Sabotage, Vandalism
Coffin Building	4 Knox Road	223-3940	\$355,400	Flood, Wind, Lighting, Storms, Winter, Heat, Material, Public Health, Sabotage, Vandalism, Hostage
See also Shelters, Schools & Medical Facilities Table			\$0	
			<b>\$13,397,500</b>	<b>Total Facilities Structure Only Replacement Value</b>

Problem Statement: **There are issues with the building insulation in the Municipal Building & DPW garage related to energy efficiency and public health.**  
CONTINUED Municipal Building has asbestos insulation and the DPW has a lack of efficient insulation.

Problem Statement: **The substandard Town salt shed building and site on Robinson Road resides in the Town's wellhead protection area (2 municipal water wells around River Road) and there are concerns about sodium leaching and wellhead contamination.**

Problem Statement: **If Bow experienced a significant earthquake 5.0M or greater, the Town's essential facility buildings would suffer extreme damage. The new Safety Center building was built to normal earthquake standards in 2017.**

Table  
Utilities

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
Abenaki Water Company (Gifford) 95 customers	Rocky Point Drive, Shore View, Blueberry Lane	603-293-8580	\$160,735	Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure
Cellular Tower (AT&T)	92-98 South Bow Rd	202-223-9222	\$135,400	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Comcast Xfinity (Cable/Internet)	54 Regional Drive, Concord	800-266-2278	N/A	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure
Evergreen Drive Water Corp	21 Evergreen Drive	(603) 496-9852	N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure
GSP Merrimack LLC (Merrimack Station) (~121 customers)	431 River Road	224-4081	\$208,429,828	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Hazardous Materials
Garvins Substation (Bow 1)	Garvins Falls Road	669-4000	\$689,000	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Liberty Utilities Natural Gas	Hall Street, Bow Junction, Bow Center, River Road, NE section of Bow	855-327-7758	\$3,219,270	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure
Merrimack Station (Coal Electricity)	431 River Road	224-4081 x130	\$63,000,000	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
NH State Police	100 South Bow Rd	271-2421	\$147,900	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
OmniPoint Holdings, Inc	10 Robinson Rd	425-378-4000	\$338,700	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake
Pennichuck Water Service Corp (Merrimack) (~128 customers)	White Rock, Albin	800-553-5191	\$481,315	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure
Sprint Spectrum LP	1550 Route 3A	913-315-5722	\$621,500	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure
Unitil Energy Systems	5 McGuire Street, Concord	224-2311	\$9,238,139	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure
US Cellular Corp	1552 Route 3A	773-399-8900	\$565,400	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure
Verizon Wireless	520 Hall St	508-330-3300	\$171,000	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Explosion/Fire
WhiteWater Inc Sewer and Water	throughout town, See Maps	888-377-7678	See infrastructure	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Flooding, Sabotage, Biological
WW Municipal Sewer Pump Station 1 (~167 users)	518 Route 3A (Grandview, River, South St)	888-377-7678	\$193,407	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Flooding, Sabotage, Biological
WW Municipal Sewer Pump Station 2 (~167 users)	3 White Rock Hill Road	888-377-7678	\$204,300	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Biological
WW Water Pump Station (~36 users)	159 River Road (Dunklee Road, Route 3A)	888-377-7678	\$1,200,000	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage

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WW Water Tank [~36 users]	1420 Route 3A (Dunklee Road, River Road)	888-377-7678	\$104,200	Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage
			\$0	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage, Vandalism
			\$0	
Water/Gas Electric Value by NHDRA 2017, Bow Customers served by PUC 07-17 & Util			\$288,900,094	Total Facilities Structure Only Replacement Value

Problem Statement: **Some of the private water systems are outdated and experiencing system failure. For instance, Grappone (Bow Junction) and South Street have contaminated, non-potable water (MtBe, salt, etc.)**  
**CONTINUED**  
**Bow also has high concentration of natural arsenic. Most facilities have their own community water systems but are also experiencing contamination.**  
**\*\*\*ACTION: Implement a mutual aid agreement with Concord or Hooksett to provide water to Bow facilities.\*\*\*\***

Problem Statement: **The Town's sewer system infrastructure is antiquated (about 170 users) and has the potential for failure.**

Problem Statement:

Table	High Hazard	Significant Hazard	Low Hazard		
<b>Dams</b>					
Facility Name	Height in Feet & Acres Impounded	NHDES Hazard Classification	Location	Estimated Average NH Dam Structure REPAIR Cost \$*	Primary Natural Hazard Vulnerabilities
027.12 Garvins Falls Dam (Eversource)	550' long, 33' high, 250 acres	High (H) Hazard	Merrimack River	\$16,800,000	Flood, Debris Impacted Infrastructure, Severe Winter Weather, Severe Wind Events, Severe Rainstorms, Dam Breach/Failure
027.14 McKay Fish Pond Dam (Foster Estate)	250' long, 6' high, 0.75 acres	Non-Menace (NM) Hazard	Natural Swale	\$500,000	Flood, Debris Impacted Infrastructure, Severe Winter Weather, Severe Wind Events, Severe Rainstorms, Dam Breach/Failure
027.17 Bow Fire Pond Dam (Town of Bow)	100' long, 8' high, 3 acres	Low (L) Hazard	Morgan Brook	\$500,000	Flood, Debris Impacted Infrastructure, Severe Winter Weather, Severe Wind Events, Severe Rainstorms, Dam Breach/Failure
027.19 Putney Meadow Pond Dam (Lane) - Located in Dunbarton, has been removed 5-6 years ago	90' long, 8' high, 28 acres	Low (L) Hazard	TR Black Brook	\$500,000	Flood, Debris Impacted Infrastructure, Severe Winter Weather, Severe Wind Events, Severe Rainstorms, Dam Breach/Failure
27.25 Martin Pond Dam (Martin)	90' long, 7' high, 0.36 acres	Non-Menace (NM) Hazard	Above GreyLore Farm Pond	\$500,000	Flood, Debris Impacted Infrastructure, Severe Winter Weather, Severe Wind Events, Severe Rainstorms, Dam Breach/Failure
027.26 Knight Pond Dam (Knight)	250' long, 9' high, 0.36 acres	Non-Menace (NM) Hazard	Unnamed Wetland	\$500,000	Flood, Debris Impacted Infrastructure, Severe Winter Weather, Severe Wind Events, Severe Rainstorms, Dam Breach/Failure
				\$0	
Source: NHDES Dam Hazard Classification GIS Database, Mar 2016; *American Society of Civil Engineers NH Infrastructure Report Card, 2011. Town Assessed valuation of Garvins Falls				\$19,300,000	Total Facilities Structure Estimated REPAIR Value

Problem Statement: **If the upstream St. Paul's Dam on the Turkey River fails, the South Street bridge, I-89, Route 3A, and sewer pump station and the Mobil Station would be flooded.**  
**CONTINUED**  
**This would be both an environmental catastrophe and require tremendous traffic rerouting logistics.**

Problem Statement: **If the High Hazard Garvins Falls Dam fails, the likely effect would be inundation affecting about 6 downstream residences but not the Merrimack Station Plant.**

Problem Statement: **Continued sedimentation transport from the Suncook River to the Merrimack River is currently causing bank erosion in Bow and may exacerbate any Merrimack River inundation events.**

Table	Town Redlist Bridges	Other Town Bridges				
<b>Bridges</b>						
Facility Name	Location (Intersection)	NH DOT Municipal Redlist Classification NBI Ratings Provided for Redlisted	Phone	Structure REHABILITATION Value \$ Estimated from NHDOT Redlisted Bridges Summary 2015	Annual Average Daily Traffic (Year)	Primary Natural Hazard Vulnerabilities* with National Bridge Inventory (NBI) Scour Critical Status
052/140 (State)	NH 13 over West Branch Bela Brook	Not Deficient / Not Redlisted	271-3667	\$4,000,000	9,400 (2015)	NBI Scour Critical Rating: Stable for extreme flood
061/141 (State)	NH 13 over East Branch Bella Brook	Not Applicable / Not Redlisted	271-3667	\$4,000,000	9,400 (2015)	NBI Scour Critical Rating: Stable for extreme flood
065/140 (Town)	Page Road over Bela Brook	Municipal Redlist / Not Applicable	223-3930	\$1,000,000	1,200 (2014)	NBI Scour Critical Rating: Stable for extreme flood
092/136 (Town)	Birchdale Road over White Brook (under reconstruction 2018)	Municipal Redlist / Not Applicable	223-3930	\$600,000	700 (2014)	NBI Scour Critical Rating: Stable for extreme flood
130/161 (State)	I-89 (Ramp F) over Turkey River	Not Deficient / Not Redlisted	271-3667	\$4,000,000	4,300 (2013)	NBI Scour Critical Rating: Stable for extreme flood
132/160 (State)	I-89 over South Street	State Redlist / Structurally Deficient	271-3667	\$7,000,000	42,600 (2013)	Not Over Waterway
132/161 (State)	South Street over Turkey River	Not Applicable / Not Redlisted	271-3667	\$5,000,000	3,800 (2015)	NBI Scour Critical Rating: Stable for extreme flood
135/158 (State)	I-93, Fee TPK SB over I-89, Turkey River, Ped	Not Deficient / Not Redlisted	271-3667	\$7,000,000	34,500 (2014)	NBI Scour Critical Rating: Stable for extreme flood
135/161 (State)	I-89 (Ramp A) over Turkey River	Not Deficient / Not Redlisted	271-3667	\$4,000,000	21,300 (2013)	NBI Scour Critical Rating: Stable for extreme flood
135/162 (State)	I-89 (Ramp D) over Turkey River	Not Deficient / Not Redlisted	271-3667	\$4,000,000	13,100 (2010)	NBI Scour Critical Rating: Stable for extreme flood
136/155 (State)	Grandview Road over I-93, Fee TPK	Not Deficient / Not Redlisted	271-3667	\$2,000,000	1,400 (2013)	Not Over Waterway
136/158 (State)	I-93, Fee TPK NH over I-89, Turkey River	Not Deficient / Not Redlisted	271-3667	\$7,000,000	34,500 (2014)	NBI Scour Critical Rating: Stable for extreme flood
136/161 (State)	I-93 NB C-D Road over I-89, Turkey River, Ped	Not Deficient / Not Redlisted	271-3667	\$2,000,000	4,300 (2013)	NBI Scour Critical Rating: Stable for extreme flood
140/159 (State)	NH 3A over Turkey River	Not Applicable / Not Redlisted	271-3667	\$4,000,000	14,000 (2015)	NBI Scour Critical Rating: Stable for extreme flood
158/137 (State)	I-93, Fee TPK over Dow Road	Functionally Obsolete	271-3667	\$7,000,000	69,000 (2014)	Not Over Waterway
168/120 (State)	I-93, Fee TPK over Robinson Road	Functionally Obsolete	271-3667	\$7,000,000	69,000 (2014)	Not Over Waterway
180/109 (State)	NH 3A over Bow Bog Brook	Not Applicable / Not Redlisted	271-3667	\$4,000,000	8,296 (2015)	NBI Scour Critical Rating: Stable for extreme flood

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182/113 (Town)	Dunklee Road over Bow Bog Brook (New bridge has designed and engineered, close to going out to bid. Town is waiting for NHDOT bridge funding to become available)	Municipal Redlist / Structurally Deficient	223-3930	\$1,000,000	2,000 (2013)	NBI Scour Critical Rating: Stable action needed
184/127 (Town)	River Road over Bow Bog Brook	Not Applicable / Not Redlisted	223-3930	\$2,000,000	640 (2014)	NBI Scour Critical Rating: Stable for extreme flood
194/115 (Town)	River Road over PAR	Not Deficient / Not Redlisted	223-3930	\$2,000,000	640 (2014)	Not Over Waterway
				\$0		
				<b>\$78,600,000</b>	<b>Total Facilities Structure Estimated REHABILITATION Value</b>	

Sources: NHDOT GIS Bridges database, February 2016; NHDOT Bridges Summary, March 2015; Federal Highway Administration National Bridge Inventory (NBI), Scour Critical Bridges\* Rehabilitation Values \$ are only estimated. Engineering Reports are needed for closer costs.

**Problem Statement:** The Page Road bridge is redlisted and there is no funding available for repair.

**Problem Statement:** South Street over the Turkey River bridge (owned by the State) came very close to overtopping during the 2006 flood. The slim width of the bridge creates a lot of traffic accidents.

**CONCLUDED:** The intersection is confusing with the on/off I-89 ramps next to one another. The State should rehabilitate these ramps and bridge over the Turkey River.

Table  
Shelters, Schools, and  
Medical Facilities

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
Baker Free Library (Warming/Cooling Center) (~50 capacity)	509 South Street	224-7113	\$2,025,500	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake
Bow Elementary School (~460 students + 100 staff)	22 Bow Center Road	225-3049	\$5,834,500	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Public Health, Hostage
Bow High School (~600 students + 100 staff) o Town Shelter (~200 shelter capacity)	55 Falcon Way	228-2210	\$20,729,500	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Hazardous Materials, Public Health, Hostage, Sabotage, Vandalism
Bow Memorial (Middle) School (~475 students + 100 staff)	20 Bow Center Road	225-3212	\$7,637,700	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Public Health, Hostage
Community Building (Warming/ Cooling Center) (~50 capacity)	2 Knox Road	228-4320	\$837,200	Flood, Wind, Storms, Lightning, Winter, Drought, Heat, Earthquake,
Old Town Hall Center (Warming/ Cooling Center) (~85 capacity)	91 Bow Center Road	223-3912	\$310,600	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Cronhardt Family Dentistry	514 South St	224-3151	\$685,800	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
See also Recreational & Gathering Sites Table			\$0	
			<b>\$38,060,800</b>	<b>Total Facilities Structure Only Replacement Value</b>

**Problem Statement:** There is no second means of egress from the 3 Bow Schools. Baker Free Library has the same problem. This is a problem if widescale evacuation becomes necessary after a hazard event.

**Problem Statement:** There is a lack of an alternate power source (no generator) for the Old Town Hall, Library, Elementary School and Community Building.

**Problem Statement:** Excessive snow loads on the flat roofs of the 3 Schools could cause collapse during significant winter storms. At this time, they are shoveled when needed.

Table  
Vulnerable Populations

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
Bow Youth Center (~100 children + 13 staff)	21 Bow Center Road	369-4583	\$1,015,400	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Public Health, Hostage
Casa Dei Bambini Children Center (~87 students + 12 staff)	507 South St	227-9300	\$1,440,700	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Public Health, Hostage
Celebrating Children @Bow Municipal Bldg (~32 students + 12 staff)	10 Grandview Rd	228-1187	\$785,500	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Public Health, Hostage
Joyful Noise Learning Center / Crossroads Community Church (~70 students + 4 staff)	8 Branch Londonderry Turnpike East	224-6069	\$184,900	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Public Health, Hostage
Little Sprouts Day Care (~20 students + 6 staff)	3 Robinson Road	224-1818	\$145,600	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Public Health
Meeting House Montessori School (~24 students + 2 staff)	28 Logging Hill Road	224-0004	\$301,300	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Public Health, Hostage
Rockwood Acres Learning Center (~20 students + 6 staff)	3 Clough Road	225-6900	\$281,900	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Public Health
White Rock Senior Living Community (~200 residents + 4 staff) see also Shelters, Schools and Medical Facilities Table AND One Egress Residential Developments Table	6 Bow Center Road	724-6250	\$9,003,300	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Public Health, Hostage, Power Failure
			\$0	
			<b>\$13,158,600</b>	<b>Total Facilities Structure Only Replacement Value</b>

**Problem Statement:** The White Rock Senior Community of 55+ older residents has no emergency generator in the event of a sustained power failure from storms, winds or winter weather.

**Problem Statement:** The Bow Youth Center and Little Sprouts have only one means of egress to and from their buildings.

**Problem Statement:**

Table  
Economic Assets

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
Alltown Truck Stop	1516 Route 3-A	(603) 223-6885	\$1,168,300	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage

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Amber Bow Associates LLC (multi tenant complex)	75, 77, 79, 81 Dow Rd	(914) 522-5935	\$1,702,200	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
Amoskeag Beverages	506 Hall St	224-3348	\$4,440,800	Flood, Ice Jam, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage
BIP LLC, DBA Broadview Industrial Park (multi unit building)	359 River Rd	(603) 224-2192	\$1,167,600	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
Blue Seal Feeds	520 Hall St	225-0323	\$2,183,500	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage
Bovie Printing & Fabrication	4 Northeast Ave	224-0651	\$972,400	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage
Chen Yang Li	520 South St	228-8508	\$957,200	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage
Conproco	655 River Rd	(603) 223-9674	\$1,005,000	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
Credit Warehouse Realty LLC (AKA Exel or State Liquor Warehouse)	1403 Route 3-A	573-4173	\$15,628,600	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
Eagle Storage	793 Route 3-A	(603) 617-2184	\$1,300,900	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
Grappone Auto Group	506, 514, 519, 524, 530 & 594 Route 3-A	226-8003 / 800-528-8993	\$17,668,300	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage, General Economic Collapse
Hampton Inn	515 South St	224-5322	\$6,315,300	Flood, Ice Jam, Scouring, Wind, Storms, Lightning, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage, General Economic Collapse
JDS PROPERTIES LLC (DBA Coastal Forest Products)	34-40 Dunklee Rd	(800) 932-9663	\$2,940,300	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
MagiKitch'n	552 Route 3A	225-6684	\$2,248,000	Flood, Ice Jam, Wind, Storms, Lightning, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage, General Economic Collapse
Merrimack Savings Bank	503 South St	225-2793	\$1,278,200	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage, General Economic Collapse
NH Automotive Dealers Assoc	507 South St	(800) 852-3372	\$1,101,300	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
Pitco Frialator Inc	553 Route 3-A	225-6684	\$1,482,800	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage, General Economic Collapse
RBD Construction Co (multi unit buildings)	22-32 Dunklee Rd	(603) 224-0928	\$1,164,500	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
Rosenfield Granliden LTD (multi unit building)	501 South St	(603) 763-4952	\$1,484,800	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
RS Audley Inc	1113 Route 3A	224-7724	\$1,797,600	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage, General Economic Collapse
Rumford Stone	284 River Rd	(603) 224-9876	\$1,082,600	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
Structures Unlimited/Keller Co	164, 166, 168, 170, 172 River Rd	225-3895 / 224-9151	\$3,041,400	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage, General Economic Collapse
Sullivan Tire	1644 Route 3-A	485-7121	\$2,564,200	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Hazardous Materials, Public Health, Sabotage, General Economic Collapse
Van Guard Stables DBA Copper Horse Stables	40 Dunbarton Center Rd	(603) 774-1426	\$553,500	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
Young Furniture	161 River Rd	(603) 224-8830	\$1,014,500	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure, Debris, Hazardous Materials, Public Health, Sabotage
see also Hazardous Materials Table			\$0	
			<b>\$76,263,800</b>	<b>Total Facilities Structure Only Replacement Value</b>

Problem Statement: **The numerous Bow Junction businesses are vulnerable to flooding by the Turkey River and water backup and runoff from the Merrimack River. There is sheet runoff from both I-89 and I-93 into the area. State has not done any work on these locations to improve the situation. The Garvins Falls Dam controlled by the ACOE, who performs water releases when needed.**  
 Problem Statement: **Transportation of hazardous materials along I-89, I-93 and Route 3A and the heavy railroad traffic bring with it the possibility of toxic or explosive spills/releases.**  
 Problem Statement:

Table  
Hazardous Materials  
Facilities

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
A 1 Starter & Alternator	359 River Rd	229-4999	\$1,764,500	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Advanced Siteworks	226 River Rd	938-2097	\$790,700	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Antifreeze Technology Systems	359 River Rd	432-4444	(see A-1 Starter, above)	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Arch Equipment	11 Dunklee Rd	226-9033	\$443,800	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Autologic LLC	2 Noyes Ln	224-2880	\$413,700	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Automotive Consultants	279 River Rd	225-4333	\$453,700	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Bow Auto Parts Service Inc	1317 Route 3-A	224-8400	\$1,395,300	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Bow Bus Garage (School District/DWP #3)	12 Robinson Rd, Door 11	228-0487	\$2,316,800	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Bumper To Bumper Auto Body Inc	279 River Rd	224-8226	See Automotive Consultants	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism

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Capital Construction Equipment & Supply	615 River Rd	226-7296	\$841,500	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Casco Food Equipment	10 Dunklee Rd, Unit 10	224-2663	\$77,500	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Champnys Fireworks Store (seasonal)	1222 Route 3A	225-7353	\$158,800	Wind, Storms, Lightning, Wildfire, Heat, Hazardous Materials, Public Health, Sabotage, Vandalism, Fire
Commercial Tech Services/ Northeast Exhaust	1110 Route 3-A	225-8844	\$367,100	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Concord Awning & Canvas Inc	1 Tallwood Dr	224-6880	\$532,500	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Conproco Corp.	655 River Rd	223-9674	\$1,230,900	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Dyno Nobel	695 River Rd	234-5692	\$237,000	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Energy North Propane	630 River Rd	229-0540	\$541,300	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Ensio Resources, Inc.	431 River Road	224-0221	\$554,900	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Equipment East	1474 Route 3-A, Suite B	978-454-3320	\$404,800	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Exterior Auto Works	1421 Route 3-A	225-8185	\$604,800	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Exxon (Bow Mobil)	519 South St	281-654-8470 / 224-8247	\$770,400	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Goddards Automotive Repair	279 River Rd	224-4691	See Automotive Consultants	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Grappone Collision Center	524 Route 3-A	855-902-0291	See Economic Table above	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Grappone Ford Inc	530 Route 3-A	855-902-0274	See Economic Table above	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Grappone Honda	519 Route 3-A	855-901-9964	See Economic Table above	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Grappone Hyundai	514 Route 3-A	855-901-9965	See Economic Table above	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Grappone Mazda	530 Route 3-A	855-901-9967	See Economic Table above	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Grappone Toyota Inc	594 Route 3-A	855-901-9963	See Economic Table above	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Hansen Fox Co	1 Garvin Falls Rd	224-9951	\$351,300	Flood, Ice Jam, Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Hews Company LLC	4 Ryan Rd	226-3252 X305	\$617,100	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Irving Mainway	506 Route 3-A	228-6175	\$1,805,500	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
J W Fleet & Equipment Inc	621 Rte 3 A	224-1145	\$497,500	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Kal-Lite Sales Division	1153 River Rd	229-0339	\$635,800	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Kalwell Corporation Flat Sheet Division	164 & 166 River Road	224-6881	\$289,200	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Keller Products Plastic Extrusion Division	170 & 172 River Road	224-5502	\$922,100	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Lewis Arms	730 Route 3-A	228-9994	\$314,000	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Alltown Gas Station & Truck Stop	1516 Route 3-A	223-6885	\$2,321,500	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Pennichuck East Utilities (Scrapyard & Salvage)	9 Lewis Lane	228-5876	\$481,315	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Dam Failure
Perini Corp	652 River Rd	223-9402	\$1,306,400	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Eversource Central Warehouse (Multi-Tenant Building)	722 River Rd	669-4000	\$4,920,000	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
	5 Tallwood drive	634-2106	\$550,400	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Quality Wood Priming Inc	34 Dunklee Rd	623-4100	\$4,181,800	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Redimix Concrete	321 River Road	230-9888	\$784,900	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Phytech Industries	578 River Rd	223-0609	\$953,800	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Scanada International Inc	8 Robinson Rd	229-0014	\$1,099,100	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Steeves Auto Sales	1189 Route 3-A	224-3657	\$239,900	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Sullivan Tire Commercial Truck Tire Service	760 Route 3A	485-7121	\$2,006,700	Wind, Storms, Lightning, Wildfire, Heat, Hazardous Materials, Public Health, Sabotage, Vandalism, Fire
The Melanson Company, Inc	5 Ferry Road	224-0444	\$606,400	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
Z Tech	56 Dow Rd	228-1305 X216	\$1,305,100	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Sabotage, Terrorism
see also Economic Assets Table			\$0	
			<b>\$40,089,815</b>	<b>Total Facilities Structure Only Replacement Value</b>

Problem Statement: The large supply of anhydrous ammonia waiting and used for the scrubbers at the Merrimack Station on the railcars is a potential issue for a natural, technological or human-caused disaster.

Problem Statement: Many local businesses do not follow the EPA's EPCRA/CERCLA Right to Know Law requirements. Compliance is not 100% and the Town wants to know which materials are available at these locations.

Problem Statement:

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Table

## Cemeteries and Churches

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
Bow Mills United Methodist Church	505 South Street	224-0884	\$946,800	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Crossroads Community Church	6 Branch Londonderry Turnpike East	228-1832	\$403,200	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
<b>CEMETERIES</b>				
Alexander Cemetery (Town)	58-60 River Road	223-3912	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Brown Hill Cemetery (Town)	Between 39 & 41 Hampshire Hills Drive	223-3912	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Evans (North) Cemetery (Town)	30 White Rock Hill Road	223-3912	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Goodhue Cemetery (private)	12 Dunbarton Center Road	n/a	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Green Cemetery (Town)	2 Branch Londonderry Turnpike East	223-3912	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Hadley Cemetery (Private)	31 Woodhill Road	n/a	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Hammond Cemetery (Town)	16 Dunbarton Center Road	223-3912	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Heath Cemetery (Town)	516 Clinton Street	223-3912	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Miss Alice Brown Cemetery (Private)	10 Brown Hill Road	n/a	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Ordway Cemetery (Private)	7 Ordway Lane	n/a	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Quimby Cemetery (Private)	39 Quimby Road	n/a	\$50,000	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
			\$0	
Cemetery values estimate \$50,000 for headstone replacement			\$1,900,000	Total Facilities Structure Only Replacement Value

Problem Statement: **None**  
 Problem Statement:

Table

## Historic Sites and Buildings

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
Benjamin Noyes Mill Site	680 Route 3-A	228-1187	N/A	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
Bow Bog Meeting House 1835	111 Bow Bog Road	228-1189	\$163,600	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
Bow Canal Lock at Garvins Falls 1813	Garvins Falls Road	N/A	N/A	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Bow Center One Room School House 1894	2 Woodhill Road	N/A	\$114,700	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
Bow Center Tavern	75 Branch Londonderry Turnpike East	N/A	\$215,100	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
Crossroads Community Church 1832	6 Branch Londonderry Turnpike East	228-1832	\$184,900	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
District #14 School- Bow Mills	Valley Road	N/A	N/A	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
District #3 School- White	4 Dow Road	N/A	\$173,900	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
District #4 School- River Road	River Road	N/A	N/A	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
First Meeting House Site 1771	73 White Rock Hill Road	228-1187	N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
Grist Mill (Chen Yang Li Restaurant)	520 South Street	228-8508	See Economic Assets above	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
Mary Baker Eddy Birthplace 1821	1050 Route 3-A	225-3444	N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
Noyes Ferry Landing 1764	River Road	N/A	\$0	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Old Town Hall 1847	91 Bow Center Road	228-1189	See Shelter Table	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
Sergeant John Ordway Home	7 Ordway Lane	N/A	\$260,911	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
Town Pound (Bow Center) 1821	18 Branch Londonderry Turnpike East	228-1187	N/A	Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Hazardous Materials, Vandalism
			\$0	
			\$1,113,111	Total Facilities Structure Only Replacement Value

Problem Statement: **The flooding of the Turkey River would impact the historic Grist Mill, which flooded in May 2006 with water flowing into the building.**  
 CONTINUED **A fire at this location would remove the restaurant (economic asset) and destroy the historic site.**  
 Problem Statement: **The Bow Center One Room School and Bow Bog Meeting House are vulnerable to lightning and fire as they are old, wooden historic assets of the community.**  
 Problem Statement:

Table

## Recreational and Gathering Sites

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
Baker Free Library [406 capacity + 15 staff]	509 South Street	224-7113	\$2,025,500	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
BMS/BES Fields	20 Bow Center Road	228-2210	included w/Schools above	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Bow High School Fields	55 Falcon Way	228-2210	included w/School above	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Field House Sports	12 Tallwood Drive	226-4646	\$2,764,500	Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism

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Merrimack River Boat Ramp (formerly PSNH)	549 River Road	271-3361	N/A	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Public Service Athletic Complex	476 River Road	224-4081	N/A	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Recreation Center & Town Pond	3 Bow Center Rd	223-3940	\$2,857,000	Flood, Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Richard Hanson Memorial Recreational Park (Hanson Park)	37-53 Albin Road	223-3920	N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide
Rotary Park & Town Gazebo	1 Knox Road	228-2222	\$17,100	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Sargent Park & St Cyr Playground	10 Grandview Road	228-2222	N/A	Flood, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Turee Pond Boat Access (NH Fish & Game)	Falcon Way	271-3361	N/A	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Granite State Gymnastics Center	301 River Road	228-8424	\$391,500	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Nottingcook Town Forest and Recreational Trails [771 acres]	Woodhill Hooksett Road, connects to South Bow Road	225-3678	N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Knox Town Forest [318 acres]	Knox Road	225-3678	N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
Hammond Nature Preserve Recreational Trails and Walker Forest [144 acres] see also Vulnerable Populations Table	Dunbarton Center Road	225-3678	N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Landslide, Sabotage, Terrorism
			\$0	
			<b>\$8,055,600</b>	<b>Total Facilities Structure Only Replacement Value</b>

Problem Statement: **Emergency response access to wilderness areas is difficult, for response to fires, power outages, and injured or lost people. The Town is in the process of GPSing CONTINUED trails on other Town Forest lands (not listed above) to develop maps and has 2 all terrain vehicles available.**

Problem Statement: **The Fire Department's accessibility to fight wildfires or lightning-based fires in wilderness areas is difficult. Limited points of access restrict entry and the width of foot trails is not conducive for fire suppression apparatus.**

Problem Statement: **Access for water rescue on the Merrimack River is limited to just the PSNH River Road boat ramp. This reduces response time. Water rescue staging from this site occur at least once annually.**

Problem Statement: **Vandalism occurs regularly at High School and baseball dugouts (graffiti, vehicle traffic damage turf and sprinkler heads).**

## Table

### One Egress Residential Developments

Facility Name	Street Address (911)	Phone	Structure Replacement Value \$	Primary Natural Hazard Vulnerabilities
Abbey Road Subdivision [~12 homes]	Abbey Road, off Allen Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Audley Divide Subdivision [~16 homes]	Audley Divide, off Putney Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Beaver Brook Drive Subdivision [~10 homes]	Beaver Brook Drive, off Page Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Chandler Circle Subdivision [~13 homes]	Chandler Circle, off Birchdale Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Clearview Drive Subdivision [~27 homes]	Clearview Drive, off Robinson Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Clough Street Subdivision [~30 homes]	Clough Street, Jones Ave & Rand Road, off Bow Center Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Colby Lane Subdivision [~8 homes]	Colby Road, off Allen Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Dicandra Drive Condominiums [~42 homes]	Dicandra Drive, off Bow Bog Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Fox Meadow Drive Subdivision [~10 homes]	Fox Meadow Drive, off Albin Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Hampshire Hills Subdivision [~34 homes]	Hampshire Hills Drive, off Brown Hill Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Heather Lane Subdivision [~14 homes]	Heather Lane, off of Dow Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Hope Lane Subdivision [~12 homes]	Hope Lane, off Bow Bog Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
McNichol Lane Subdivision [~6 homes]	McNichol Lane, off Allen Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Meadow Lane Subdivision [~25 homes]	Meadow Lane & Saltmarsh Circle, off Knox Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Peaselee Road Subdivision [~34 homes]	Peaselee Road & Summer Lane, off Bow Bog Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Rosewood Drive Subdivision [~22 homes]	Rosewood Drive, off Bow Bog Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Sterling Place Subdivision [~8 homes]	Sterline Place, off Brown Hill Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Stone Sled Farm 55+ Adult Community [~32 homes]	Stone Sled Lane, off Woodhill Hooksett Road and Allen Roads		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Sundance Lane Subdivision [~13 homes]	Sundance Lane, off Brown Hill Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
The Pines of Bow 55+ Adult Community [~27 homes]	Evangelyn Drive & Marion's Way, off White Rock Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Tower Hill Road Subdivision [~14 homes]	Tower Hill Road, off Woodhill Hooksett Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Whittier Drive Subdivision [~15 homes]	Whittier Drive, off Knox Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Wilson Meadow Road [~9 homes]	Wilson Meadow Road, off Woodhill Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
Wind Chimes 55+ Adult Community [~25 homes]	Windchime Drive, off Albin Road		N/A	Wind, Storms, Lightning, Wildfire, Winter, Drought, Heat, Earthquake, Debris
			\$0	
Source: Maps of online Axisgis 03/18	Approximate Number of Homes	458	\$0	<b>Total Facilities Structure Only Replacement Value</b>

Problem Statement: **The lack of secondary means of egress limits the ability to self-evacuate during a natural hazard (storms, wind events, winter weather, wildfire, floods, etc).**



# Critical & Community Facility Vulnerability Assessment 2018

of Bow

Final

3/16/2018

CONTINUED Emergency response can also be delayed if the developments' roadway is blocked.

Problem Statement:

Table

Future Development

Opportunity Name	Location	Type of Facility	LAND Only Value \$ As Applicable	Primary Natural Hazard Vulnerabilities
<b>Potential or Approved Planning Board Developments</b>				
Bow Bog/Robinson Lot	Bow Bog & Robinson Road	130 acres (~20 lots) conceptual consultations with PB	\$1,200,000	Wind, Storms, Lightning, Wildfire, Winter
Capozzi Trust Lot	61 Albin Road	32 acres (6 lot residential)	\$300,000	Wind, Storms, Lightning, Wildfire, Winter
Coastal Forest Products	652 River Rd	PB Approved ~200,000 SF Manufacturing / Warehouse	\$1,037,900	Flood, Ice Jam, Scouring & Erosion, Wind, Storms, Lightning, Wildfire, Winter, Debris
Dow Road	Dow Road	40,000 SF commercial, needs other abutting lot	N/A	Wind, Storms, Lightning, Wildfire, Winter
			\$0	
<b>Large Lots with Development Potential (Legacy Parcels)</b>				
Colby Family	Logging Hill & Old Albin Rd	Potential Mixed Use Development (42 acres)	\$168,100	Wind, Storms, Lightning, Wildfire, Winter
			\$0	
<b>Lots for Sale</b>				
		As of Jan 24, 2018	Listing price per web sites	
Woodhill Hooksett Lot	Woodhill Hooksett Road	28 acres	\$259,000	Wind, Storms, Lightning, Wildfire, Winter
Blevens/Putney Lot	Blevens Drive & Putney Rd	36 acres	\$290,000	Wind, Storms, Lightning, Wildfire, Winter
Allen Road Lot	94 Allen Road	11 acres	\$119,000	Wind, Storms, Lightning, Wildfire, Winter
River Rd Comm Lot	1426 River Road	1.4 acres Commercial	\$99,900	Wind, Storms, Lightning, Wildfire, Winter
Route 3A Comm Lot	1310 Route 3A	6.7 acres Commercial	\$540,000	Wind, Storms, Lightning, Wildfire, Winter
			\$0	
			<b>\$4,013,900</b>	<b>Total LAND Only Replacement Value (Approved Parcels + Parcels for Sale)</b>

Problem or Opportunity: Additional residential or commercial lot development would require new infrastructure (roads and utilities), traffic control, maintenance and plowing of roads,

CONTINUED and emergency response, becoming an economic impact on community services. The Town does have underground utility regulations.

Problem or Opportunity: Wildfire could grow unchecked if it occurs near the Bow Bog/Robinson Road lot, which abuts the Town Forest and is difficult to access.

Problem or Opportunity:

USE these Hazard Risk Assessment Natural Hazards Groupings:

\*not natural but associated with Flood/Wind

- ❖ FLOOD [Floods and Flash Floods, Rapid Snow Pack Melt]
- ❖ ICE JAM [River Ice Jams]
- ❖ SCOURING, EROSION [Riverine Scouring, Erosion, Channel Movement]
- ❖ WIND [Tornadoes, Downbursts, Hurricanes and Tropical Storms]
- ❖ STORMS [Severe Winds, Rain Storms and Thunder Storms]
- ❖ LIGHTNING
- ❖ WILDFIRE
- ❖ WINTER [Severe Winter Weather and Ice Storms]
- ❖ DROUGHT
- ❖ HEAT [Excessive Heat]
- ❖ EARTHQUAKE
- ❖ LANDSLIDE
- ❖ DAM [Dam Failure]\* or DEBRIS [Debris Impacted Infrastructure]\*

USE these Other Hazards if Necessary:

- ❖ HAZARDOUS MATERIALS
- ❖ PUBLIC HEALTH