A Critical and Community Facilities Vulnerability Assessment

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.

Facility Name	Street Address (911)	Phone	Structure Replacement Value* $	Primary Natural Hazard Vulnerabilities

Critical Facilities

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

Community Facilities

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

Critical & Community Facility Vulnerability Assessment 2019

SUTTON HAZARD MITIGATION

Finalized
2/1/2019
CNHRPC | Contact Stephanie at salexander@cnhrpc.org

This is our list of SHORTENED NATURAL & WEATHER Hazards (13) to be used in the Primary Natural Hazard Vulnerabilities column:

- DROUGHT
- EARTHQUAKE
- TEMPERATURE
- WIND
- FLOOD
- LANDSLIDE
- LIGHTNING
- HEALTH
- RIVER
- WINTER
- SOLAR
- TROPICAL
- WILDFIRE

This is our list of SHORTENED TECHNOLOGICAL and HUMAN Hazards (9) TO USE ONLY IF REQUIRED after NATURAL HAZARDS have been identified:

- INFRASTRUCTURE
- DAM
- FIRE
- HAZ MAT
- UTILITY
- CRASH
- MASS CASUALTY

How many parcels are within the Town:	1,642
Net Valuation of Buildings and Land, 2018	$258,908,935
Total Structure ONLY Value of ALL Structures:	$149,039,380
Total Value of ALL Utilities in Town:	$3,821,820
Source of data for each row	*Town Assessor*

Valuations provided by
Elly Phillips, Town Administrator — Dec-18

The Problem Statements shown here are in a draft state.
See the Hazard Mitigation Plan 2019 Chapter 5 for the final Problem Statements.

Table
Essential Facilities

Facility Name	Street Address (911)	Phone	Structure Assessed Value $	Primary Natural Hazard Vulnerabilities
Fire Department	2 North Road, North Sutton	927-4740	$202,520	Earthquake, Flood, Wind, Winter, Terrorism
Highway Department (cistern)	13 Village Road, Sutton Mills	927-2407	$611,000	Earthquake, Flood, Wind, Winter, Terrorism
Pillsbury Memorial (Town) Hall	93 Main St., Sutton Mills	927-4416	$359,000	Earthquake, Flood, Wind, Health, Winter, Utility, Terrorism, Lightning
Police Department	1 North Road	927-4422	$150,460	Earthquake, Flood, Wind, Winter, Terrorism
Salt Shed	13 Village Road, Sutton Mills	927-2407	See Highway	Earthquake, Flood, Wind, Winter, Terrorism
Transfer Station	795 Route 114	927-4475	$35,220	Earthquake, Flood, Wind, Health, Winter, Utility, Terrorism, Lightning
US Post Office	663 Route 114, South Sutton	927-4561	$82,500	Flood, Health, Utility, Terrorism
US Post Office	North Sutton	927-4561	$195,280	Health, Utility, Terrorism
			$0	
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
See also Shelters, Schools & Medical Facilities Table			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
			$1,635,980	**Total Facilities Structure Only Assessed Value**

Problem Statement: The Town buildings (Fire, Police, Highway, Transfer) do not have lightning rods and grounding panels which could cause fire and disrupt town services.

Problem Statement: The Town Hall could flood because the Lane River and unnamed brook are nearby.

Problem Statement: The Fire Station and Highway Department are built on wetlands and have not flooded in the past, but the potential is there for flooding if the rains are heavy enough.

Problem Statement: The Transfer Station is situated next to the Lane River and may have contamination /water quality issues.

Problem Statement:

Table
Utilities

Facility Name	Street Address (911)	Phone	Structure Assessed Value $	Primary Natural Hazard Vulnerabilities
Communication Tower: East Grange Road	Eaton Grange Road	N/A	$282,000	Earthquake, Wildfire, Winter, Wind, Lightning, Hazard Materials (Batteries)
Communication Towers: Shadow Hill Road	Shadow Hill Road	N/A	$275,750	Earthquake, Wildfire, Winter, Wind, Lightning, Hazard Materials (Batteries)
Communications Tower: Mastin Road	Mastin Road	N/A	$159,250	Earthquake, Wildfire, Winter, Wind, Lightning, Hazard Materials (Batteries)
Communications Tower: Summit Road	Summit Road	N/A	$201,800	Earthquake, Wildfire, Winter, Wind, Lightning, Hazard Materials (Batteries)
Communications Tower: Wright's Hill (forthcoming potential ZBA 2019)	Wright's Hill	N/A	N/A	Earthquake, Wildfire, Winter, Wind, Lightning, Hazard Materials (Batteries)
Communications Tower: NH 103	NH 103	N/A	N/A	Earthquake, Wildfire, Winter, Wind, Lightning, Hazard Materials (Batteries)
Underground Electric Line, 400'	Bass Point Road along Camp Kemah Road	N/A	N/A	Earthquake, Flood
NH Electric Coop (Electric Lines)	Kearsarge Valley, Baker Road	N/A	$132,070	Earthquake, Wildfire, Winter, Wind, Lightning, Fire, Hazardous Trees
Eversource (Electric Lines)	Entire Town	N/A	$3,657,450	Earthquake, Wildfire, Winter, Wind, Lightning, Fire, Hazardous Trees
Dry Hydrant: Library	at Library on Lane River	N/A	$5,000	Earthquake, Flood, Winter (freeze), Drought, Landslide, Dam
Dry Hydrant: High School	457 North Road	N/A	$5,000	Earthquake, Flood, Winter (freeze), Drought, Landslide
Cistern: King Ridge	Summit Road	N/A	$30,000	Earthquake, Leakage (plastic)
Cistern: Middle School	32 Gile Pond Road	N/A	$30,000	Earthquake, Leakage (plastic)
TDS Switching Station: North Road (internet and telephone)	312 North Rd	N/A	$115,900	Earthquake, Wildfire, Winter, Wind, Lightning, Fire, Hazardous Material Event
TDS Switching Station: Corporation Hill (internet and telephone)	6 Corporation Hill	N/A	$115,900	Earthquake, Wildfire, Winter, Wind, Lightning, Fire, Hazardous Material Event
TDS Switching Station: Wadleigh Hill (internet and telephone)	Wadleigh Hill Road	N/A	$75,000	Earthquake, Wildfire, Winter, Wind, Lightning, Fire, Hazardous Material Event
TDS Switching Station: Route 114 & Brown (internet and telephone)	Route 114 & Brown South Sutton	N/A	$75,000	Earthquake, Wildfire, Winter, Wind, Lightning, Fire, Hazardous Material Event
Fire Pond* (private)	Route 114 by Foothills Road	N/A	N/A	Drought, Flood (mud), Winter, Hazardous Materials Spills
Gile Pond	Gile Pond Road	N/A	N/A	Drought, Flood (mud), Winter, Hazardous Materials Spills
Blaisdell Lake	Route 114	N/A	N/A	Drought, Flood (mud), Winter, Hazardous Materials Spills
Russell Pond	Route 114	N/A	N/A	Drought, Flood (mud), Winter, Hazardous Materials Spills
Kezar Pond	Wadleigh Hill Road	N/A	N/A	Drought, Flood (mud), Winter, Hazardous Materials Spills
Billings Pond	Old Blaisdell Road	N/A	N/A	Drought, Flood (mud), Winter, Hazardous Materials Spills
*no designated, Town-maintained Fire Ponds in Sutton				
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire

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- ❖ EARTHQUAKE
- ❖ TEMPERATURE
- ❖ WIND

			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
Water/Gas Electric Value by NHDRA 2017			**$5,160,120**	**Total Facilities Structure Only Assessed Value**

Problem Statement: FYI - Blaisdell, Keyser Lake, Russell, Guile Pond are easy to access to fill fire tanker

FYI - many residents have underground utilities to their homes, running from the nearest telephone pole. More than 100 homes is a broad estimate.

Problem Statement: The Town does not have an excess of potable water in the event of drought, water quality decline, or other power outage emergency.

Problem Statement: The communications towers are remote and are difficult to access in bad weather. Should the towers be shut down by winter weather, severe winds, sabotage, or utility failure, the Town would be lacking in emergency and personal communications.

Problem Statement: The one Switching Station down by the Town Office could go down and would cause outages to a large number of people and the main Town operations.

Table — High (H) Hazard | Significant (S) Hazard | Low (L) Hazard

Dams

Facility Name	Height in Feet & Acres Impounded	NHDES Hazard Classification	Location	Estimated Average NH Dam Structure REPAIR Cost $*	Primary Natural Hazard Vulnerabilities
231.01 Kezar Lake Dam (NHDES)	6' high, 28' long, 143 acres	**Non-Menace**	Lane River	$687,500	Earthquake, Flood, River, Dam
231.05 Forsters Mill Dam (Otter Lane Hydro, LLC)	16' high, 0' length, 1 acre	**Non-Menace**	Lane River	$500,000	Earthquake, Flood, River, Dam
231.06 Lane River (Forster)	10' high, 0' length, 0.75 acres	**Non-Menace**	Lane River	$500,000	Earthquake, Flood, River, Dam
231.09 Lane River Dam VIII (Town)	12' high, 40' long, 0.25 acres	**Non-Menace**	Lane River	$500,000	Earthquake, Flood, River, Dam
231.11 Blaisdell Lake Dam (Blaisdell Lake Protective Assn)	9' high, 150' long, 161 acres	**Low Hazard**	Tributary of Warner River	$500,000	Earthquake, Flood, River, Dam
231.12 Stevens Brook Dam (Wooten)	10' high, 75' long, 2 acres	**Non-Menace**	Stevens Brook	$500,000	Earthquake, Flood, River, Dam
231.13 Lower Pond (Foot)	12' high, 0' long, 0.17 acres	**Non-Menace**	Unnamed Stream	$500,000	Earthquake, Flood, River, Dam
231.14 Farm Pond (Foot)	10' long, 100' long, 0.29 acres	**Non-Menace**	Springs	$500,000	Earthquake, Flood, River, Dam
231.15 Cascade Brook Dam (NH Fish & Game)	11' high, 130' long, 2.5 acres	**Low Hazard**	Cascade Brook	$687,500	Earthquake, Flood, River, Dam
231.16 Chadwick Meadows Wildlife Refuge (NH Fish & Game)	20' high, 24' long, 36 acres	**Significant Hazard**	Lyons Brook	$687,500	Earthquake, Flood, River, Dam
231.18 Rep TS Pond Dam (Toomey)	10.3' high, 130' long, 0.5 acres	**Non-Menace**	Tributary of Stevens Brook	$500,000	Earthquake, Flood, River, Dam, Beaver
Beaver Dam	Unknown natural dam	**N/A**	Beaver Dam Pond and Beaver Pond Road	$0	Earthquake, Flood, River, Dam
				$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
				$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
Source: NHDES Dam Hazard Classification GIS Database, Mar 2016; American Society of Civil Engineers NH Infrastructure Report Card, 2017: $500k per Town or private dam, $687,500/ State dam.				**$6,062,500**	**Total Facilities Structure *Estimated* REPAIR Value**

Problem Statement: Regular beaver activity occurs all over Town; each section has issues with beavers. The Highway Department has to selectively break them up when the water level reaches the road.

Problem Statement: Chadwick Meadows Dam is getting old, needs to be rebuilt by the NHDES; the Town was informed DES will be working on the dam sometime.

Problem Statement:

Problem Statement:

Problem Statement:

Table — Town Redlisted Bridges | Other Town Bridges

Bridges

Facility Name	Location (Intersection)	NH DOT Municipal Redlist Classification NBI Ratings Provided for Redlisted	Phone	Structure REHABILITATION Value $ Estimated from NHDOT Redlisted Brides Rehab and Replace Priority List 2017	Annual Average Daily Traffic (Year)	Primary Natural Hazard Vulnerabilities* with National Bridge Inventory (NBI) Scour Critical Status
079/145 (Town)	King Hill Road over Brook	Not Applicable (N/A)	927-2407	$500,000	0 (2000)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
084/160 (State)	I-89 South Bound over North Hominy Pot Road	Not Deficient (Good)	271-3667	$1,500,000	8,750 (2013)	NBI Scour Critical Rating: Not over Waterway. Earthquake, Flood, River
085/136 (Town)	King Hill Road over Brook	Not Applicable (N/A)	927-2407	$500,000	0 (2000)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
085/161 (State)	I-89 North Bound over North Hominy Pot Road	Not Deficient (Satisfactory)	271-3667	$1,500,000	8,750 (2013)	NBI Scour Critical Rating: Not over Waterway. Earthquake, Flood, River
086/143 (Town) - wooden	Felch Road over Lyon Brook	Functionally Obsolete (Good)	927-2407	$500,000	60 (1987)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
086/158 (Town)	Hominy Pot Road over Lyon Brook	Not Applicable (N/A)	927-2407	$500,000	240 (2013)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
089/134 (Town)	Penacook Road over Brook	Not Applicable (N/A)	927-2407	$500,000	230 (2010)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood,
091/136 (Town)	Penacook Road over Lyon Brook	Not Applicable (N/A)	927-2407	$500,000	230 (2013)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River

Critical & Community Facility Vulnerability Assessment 2019

SUTTON HAZARD MITIGATION

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- ❖ DROUGHT
- ❖ EARTHQUAKE
- ❖ TEMPERATURE
- ❖ WIND

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097/088 (Town)	Main Street over Kings Brook	Not Deficient (Very Good)	927-2407	$500,000	610 (2013)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
099/088 (Town)	Main Street over Lane River	Not Deficient (Very Good)	927-2407	$500,000	610 (2013)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
099/090 (Town)	**CLOSED Grist Mill Road over Lane River - Now a Pedestrian walking bridge**	Not Applicable (Failed - Closed)	927-2407	$500,000	0 (2012)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
105/111 (Town) - wooden	Wadleigh Hill Road over Lane River	Functionally Obsolete (Satisfactory)	927-2407	$500,000	230 (2013)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
109/144 (State)	I-89 South Bound over NH 114	Functionally Obsolete (Satisfactory)	271-3667	$1,500,000	8,750 (2013)	NBI Scour Critical Rating: Not over Waterway. Earthquake, Flood, River
109/145 (State)	I-89 North Bound over NH 114	**Functionally Obsolete (Satisfactory) [TYP 2019-2028- 2023 Bridge Rehab, Deck Replace, Overheight Damage]**	271-3667	$1,500,000	8,250 (2013)	NBI Scour Critical Rating: Not over Waterway. Earthquake, Flood, River
112/126 (State)	Wadleigh Hill Road over Kezar Lake Outlet	**Not Deficient (Satisfactory) (State will work on bridge next fall 2019)**	271-3667	$1,000,000	230 (2013)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
117/065 (State)	NH 114 over Lane River	Not Applicable (Satisfactory)	271-3667	$1,000,000	1,400 (2013)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
129/116 (State)	I-89 South Bound over Gile Pond Road	Not Deficient (Satisfactory)	271-3667	$1,500,000	8,750 (2013)	NBI Scour Critical Rating: Not over Waterway. Earthquake, Flood, River
130/117 (State)	I-89 North Bound over Gile Pond Road	Not Deficient (Good)	271-3667	$1,500,000	8,750 (2013)	NBI Scour Critical Rating: Not over Waterway. Earthquake, Flood, River
139/153 (Town) wooden	Cotton Road over Baker Brook	Functionally Obsolete (Satisfactory)	927-2407	$500,000	160 (1987(	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
146/037 (Town)	Roby Road over Lane River	Not Deficient (Very Good)	927-2407	$500,000	310 (2013)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
146/107 (Town)	North Road over Stevens Brook	Not Applicable (N/A)	927-2407	$500,000	1,600 (2010)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
170/024 (Town, but was Discontinued to Abutter)	CLOSED Morse Loop over Brook	Not Applicable (Failing - Closed)	927-2407	$0	50 (1989)	NBI Scour Critical Rating: Stable for extreme flood. Earthquake, Flood, River
191/058 (State)	I-89 North Bound over Stevens Brook Road	Not Deficient (Good)	271-3667	$2,000,000	9,314 (2015)	NBI Scour Critical Rating: Not over Waterway. Earthquake, Flood, River
192/057 (State)	I-89 South Bound over Stevens Brook Road	Not Deficient (Satisfactory)	271-3667	$2,000,000	9,314 (2015)	NBI Scour Critical Rating: Not over Waterway. Earthquake, Flood, River
NH 103 CLOSED 12-18						
				$0		

Sources: NHDOT GIS Bridges Database, Oct 2018; NHDOT Bridges Summary, March 2017; Rehab or Replace Values $ are only estimated. Engineering Reports are needed for closer costs.

$21,500,000 **Total Facilities Structure *Estimated* REHABILITATION or REPLACEMENT Value**

Problem Statement: **The 117/065 (State) NH 114 bridge over Lane River has flooded in the past and could flood again. Any bridge flooding over NH 114 blocks travelers and residents, requires rerouting.**

CONTINUED **Some bridges 139/153 (Town) are wooden bridges and logging trucks use them, causing significant additional wear and tear. Potential is there for problems to emerge.**

Problem Statement:

Problem Statement:

Problem Statement:

Table

Shelters, Schools, and Medical Facilities

Facility Name	Street Address (911)	Phone	Structure Assessed Value $	Primary Natural Hazard Vulnerabilities
Kearsarge Regional Middle School (cistern) Town Shelter [~423 children + ~86 staff]	32 Gile Pond Road	927-2100	$12,767,510	Earthquake, Temperature, Wind, Flood, Health, Winter, Tropical, Wildfire, Utility, Terrorism
Kearsarge Regional High School [~512 children + ~105 staff]	457 North Road	927-4261	$8,792,790	Earthquake, Temperature, Wind, Flood, Health, Winter, Tropical, Wildfire, Utility, Terrorism
Sutton Central School [~99 children + ~37 staff]	28 Newbury Road	927-4215	$724,090	Earthquake, Temperature, Wind, Flood, Health, Winter, Tropical, Wildfire, Utility, Terrorism
Cougar Sound Spirits Healing Center (Naturopathic Medical Facility)	77 Penacook Road	927-4526	$87,500	Flood, Lightning, Human, Bridges (Infrastructure)
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
See also Recreational & Gathering Sites Table			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
			$22,371,890	**Total Facilities Structure Only Assessed Value**

Problem Statement: **People are notified about shelter openings by phone calls and Code Red; many residents are missed because sign up is voluntary.**

Problem Statement: **As a tertiary shelter, the Highway Department could be used (has generator, water). Kearsarge Middle School is first, Colby Sawyer is second.**

Problem Statement: **Should there be a I-89 hazardous materials incidents, the schools would need to be evacuated.**

Problem Statement: **Schools could be closed because of infectious outbreak and active shooter incidents (lockdown) and would need to be evacuated, closed or lockdown held.**

Problem Statement:

Table

Vulnerable Populations

Critical & Community Facility Vulnerability Assessment 2019

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- ❖ DROUGHT
- ❖ EARTHQUAKE
- ❖ TEMPERATURE
- ❖ WIND

Facility Name	Street Address (911)	Phone	Structure Assessed Value $	Primary Natural Hazard Vulnerabilities
Live Wire Day Care [~25 children + ~4 staff]	Route 114, Sutton/ Bradford Town Line	938-2849	$154,800	Earthquake, Temperature, Flood, Health, Utility
Summit Road -One Way Egress [~21 homes]	Summit Road (private)	N/A	$7,756,400	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Birch Hill Rd -One Way Egress [~21 homes]	Birch Hill Rd (Class V & VI)	N/A	$2,234,700	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Camp Kemah Rd -One Way Egress [~16 homes]	Camp Kemah Rd (Class V)	N/A	$943,100	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Fox Chase Rd -One Way Egress [~13 homes]	Fox Chase Rd (Class V)	N/A	$2,353,300	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Blaisdell Hill Rd -One Way Egress [~12 homes]	Blaisdell Hill Rd (Class V)	N/A	$2,042,800	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Cotton Rd -One Way Egress [~11 homes]	Cotton Rd (Class V)	N/A	$1,677,300	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Shadow Hill Rd -One Way Egress [~9 homes]	Shadow Hill Rd (Class V)	N/A	$966,500	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Southfield Rd -One Way Egress [~10 homes]	Southfield Rd (Private)	N/A	$1,853,800	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Eaton Grange Road East -One Way Egress [~20 homes]	Eaton Grange Road East (Class V)	N/A	$2,559,200	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Meetinghouse Hill Rd -One Way Egress [~14 homes]	Meetinghouse Hill Rd (Class V)	N/A	$1,867,000	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Old Blaisdell Rd -One Way Egress (seasonal) [~15 homes]	Old Blaisdell Rd (Class V)	N/A	$1,358,100	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
Watkins Ave -One Way Egress [~8 homes]	Watkins Ave (Class V, not winter maintained)	N/A	$516,500	Earthquake, Wind, Lightning, Winter, Tropical, Wildfire, Utility
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
see also Shelters, Schools and Medical Facilities Table			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
			$26,283,500	**Total Facilities Structure Only Assessed Value**

***About 60 roads in Sutton are one-egress. The roads with eight or more homes are listed here.**

Problem Statement: When certain one-egress roads (see Table of 60 roads) experience washouts, wires down, wildfires, or have downed trees, residents often cannot evacuate or access their homes if they were away during the event. Many must wait for emergency services to clear roads.

Problem Statement:

Problem Statement:

Table

Economic Assets

Facility Name	Street Address (911)	Phone	Structure Assessed Value $	Primary Natural Hazard Vulnerabilities
Cascade Brook Farm (Beef and Pork) [~2 staff]	96 Baker Road	496-7470	$264,530	Drought, Temperature, Wind, Flood, Landslide, Lightning, Health, Winter, Tropical, Wildfire, Hazardous Materials
CLF Builders	Baker Hill Road	927-6354	$175,000	Wind, Flood, Landslide, Lightning, Winter, Tropical, Wildfire
CS Rowe Construction	9 Emerson Drive	N/A	$156,810	Wind, Flood, Landslide, Lightning, Winter, Tropical, Wildfire
JW Land Clearing	67 Jolly Farm Road	N/A	$58,890	Wind, Flood, Landslide, Lightning, Winter, Tropical, Wildfire
Labsphere [~85 staff]	231 Shaker Street	927-4266	$2,396,550	Earthquake, Winter, Utility, Terrorism, Fire, Cyber
Rosepath Gardens	761 NH 114 South Sutton	927-4769	$92,600	Drought, Temperature, Wind, Flood, Landslide, Lightning, Health, Winter, Tropical, Wildfire, Hazardous Materials
Rowe Brothers Construction	1467 NH 114 North Sutton	N/A	$173,060	Wind, Flood, Landslide, Lightning, Winter, Tropical, Wildfire
Rowe Brothers Excavation	77 Cotton Road, North Sutton	927-4343	N/A	Wind, Flood, Landslide, Lightning, Winter, Tropical, Wildfire
Vernondale Store [~6 employees]	1526 Route 114	927-4256	$230,700	Earthquake, Winter, Utility, Terrorism, Hazardous Materials, Fire, Cyber
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
see also Recreation and Gathering Sites, Historical Sites, and Hazardous Materials Tables			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
			$3,283,610	**Total Facilities Structure Only Assessed Value**

Problem Statement: Natural disasters could impact livestock resulting in potential public health hazards if the Town or owner could not care for them accordingly. Extreme temperatures, drought, flooding, winter weather, tropical storms and severe winds, and wildfire could detrimentally effect livestock.

Problem Statement: If the Cascade Brook Farm or Musterfield Farm in Town were lost to development, several homes could be constructed. Not only would this require additional town services, a significant loss of Town culture could not be replaced.

Problem Statement:

Problem Statement:

Problem Statement:

Table

Hazardous Materials Facilities

Facility Name	Street Address (911)	Phone	Structure Assessed Value $	Primary Natural Hazard Vulnerabilities
All & Awl Repairs [~3 staff]	1719 Route 114	927-4973	$35,720	Temperature, Wind, Flood, Landslide, Lightning, Health, Winter, Tropical, Wildfire, Hazardous Materials
Sutton Auto Repair [~2 staff]	NH 114 and Village Road	N/A	$22,990	Temperature, Wind, Flood, Landslide, Lightning, Health, Winter, Tropical, Wildfire, Hazardous Materials

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- EARTHQUAKE
- TEMPERATURE
- WIND

Stotler Junkyard	NH 103 Warner/Sutton TL	N/A	$56,340	Temperature, Wind, Flood, Landslide, Lightning, Health, Winter, Tropical, Wildfire, Hazardous Materials
NH 114 Junkyard	NH 114 South	N/A	$38,980	Temperature, Wind, Flood, Landslide, Lightning, Health, Winter, Tropical, Wildfire, Hazardous Materials
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
see also Economic Assets Table			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
			$154,030	**Total Facilities Structure Only Assessed Value**

Problem Statement: No junkyards in Sutton are officially registered with the state, therefore no oversight is available. Flooding could cause groundwater contamination (water quality), and hazardous materials spills (water quality, soil degradation) could result because of fluids in vehicles and appliances.

Problem Statement:

Problem Statement:

Problem Statement:

Problem Statement:

Table

Cemeteries and Churches

Facility Name	Street Address (911)	Phone	Structure Assessed Value $	Primary Natural Hazard Vulnerabilities
First Free Will Baptist Church [~150 capacity]	1533 Route 114	927-4150	$75,000	Earthquake, Temperature, Wind, Flood, Health, Winter, Tropical, Wildfire, Utility, Terrorism
Trinity Bible Church [~175 capacity]	539 Route 114	927-4384	$300,420	Earthquake, Temperature, Wind, Flood, Health, Winter, Tropical, Wildfire, Utility, Terrorism
New London Bridge Christian Ministry (The Pinnacle) Outdoor Platform	Chalk Pond Road	N/A	$1,000	Winter, Wind, Wildfire, Tropical, Lightning
			$0	
CEMETERIES				
Blaisdell Cemetery	Blaisdell Hill Road	N/A	$50,000	Earthquake, Wind, Flood, Health, Tropical, Winter
East Sutton Cemetery	East Sutton Road	N/A	$50,000	Earthquake, Wind, Flood, Health, Tropical, Winter
Mastin Cemetery	Baker Road	N/A	$50,000	Earthquake, Wind, Flood, Health, Tropical, Winter
Meetinghouse Cemetery	Meetinghouse Hill Road	N/A	$50,000	Earthquake, Wind, Flood, Erosion, Health, Winter, Tropical
Millswood Cemetery - Active	Route 114	N/A	$50,000	Earthquake, Wind, Flood, Health, Tropical, Winter
North Sutton Cemetery - Active	Keyser Street	N/A	$50,000	Earthquake, Wind, Flood, Health, Tropical, Winter
Palmer Cemetery	Gore Road	N/A	$50,000	Earthquake, Wind, Flood, Health, Tropical, Winter
Sutton Mills Cemetery	Main Street	N/A	$50,000	Earthquake, Wind, Flood, Health, Tropical, Winter
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
Cemetery values estimate $50,000 for headstone Assessed			**$776,420**	**Total Facilities Structure Only Assessed Value**

Problem Statement: The New London Bridge Christian Ministry (The Pinnacle) platform is one of the highest points in Sutton. It has very bad access and would be difficult to evacuate in the event of an emergency, such high wind events, wildfire, or personal injury.

Problem Statement: The 1800s era South Sutton Cemetery on Meetinghouse Road has a history of severe erosion during rain and flooding events. A few years ago, bodies were lost during a washout.

Problem Statement: Some old Cemetery headstones were broken due to vandalism, weather or old age, and were repaired as much as possible by the Town.

Problem Statement:

Problem Statement:

Table

Historic Sites and Buildings

Facility Name	Street Address (911)	Phone	Structure Assessed Value $	Primary Natural Hazard Vulnerabilities
Muster Field Farm Complex (farm, gathering, old school house, historic bldgs)	63 Harvey Road	927-4276	$587,880	Drought, Temperature, Wind, Flood, Landslide, Lightning, Health, Winter, Tropical, Wildfire, Hazardous Materials, Utility, Terrorism
Old South Sutton School House (District #9) State Registry	19 Meeting House Hill Road	Historical Society #	$34,600	Earthquake, Wind, Health (Mold), Winter, Utility, Terrorism
Old Store Museum	12 Meeting House Hill	927-2400	$74,500	Earthquake, Flood, Wind, Health (Mold), Winter, Fire, Utility, Terrorism
South Sutton Meetinghouse	17 Meetinghouse Hill Road	Historical Society #	$150,700	Temperature, Earthquake, Wind, Health (Mold), Winter, Utility, Terrorism
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
See also Economic Assets			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
			$847,680	**Total Facilities Structure Only Assessed Value**

Problem Statement: The historic buildings of Sutton are critical cultural infrastructure for residents. They are in need of regular maintenance due to wooden buildings not up to modern codes and are more vulnerable to fire, wind damage, storms, etc.

Problem Statement: Fire and flooding are potential hazard concerns with the historical sites, particularly the Old Store Museum. There are no sprinkler systems or alarm systems. Also, the South Sutton Meetinghouse has no electricity or heat.

Problem Statement:

Problem Statement:

Table

Recreational and Gathering Sites

Facility Name	Street Address (911)	Phone	Structure Assessed Value $	Primary Natural Hazard Vulnerabilities

Critical & Community Facility Vulnerability Assessment 2019

SUTTON HAZARD MITIGATION

Finalized
2/1/2019
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This is our list of SHORTENED NATURAL & WEATHER Hazards (13) to be used in the Primary Natural Hazard Vulnerabilities column:

- ❖ DROUGHT
- ❖ EARTHQUAKE
- ❖ TEMPERATURE
- ❖ WIND

Camp Wabasso - Girl Scout Summer Camp (Several Structures) **[~144 beds + ~15 staff]**	166 Rte. 114	938-2240	$522,580	Earthquake, Temperature, Wind, Flood, Health, Utility, Fire, Terrorism
Country Club of New Hampshire (Several Structures) **[~16 motel rooms + 1 house capacity]**	178 Kearsarge Valley Road	927-4246	$840,000	Earthquake, Wind, Winter, Temperature, Tropical, Utility, Terrorism
Cressey House (Historical Society Building) **[~40 capacity]**	155 NH 114 South	Historical Society #	N/A	Flood, Earthquake, Wind, Wildfire, Lightning, Utility, Terrorism
Enroth/ Lefferts Conservation Land Hiking Trails (Town)	Keyser Road / Route 114 North	927-2400	N/A	Temperature, Wind, Winter, Flood, Lightning, Tropical, Wildfire
Follansbee Inn **[~17 rooms]**	2 Keyser Street	927-4221	$376,290	Earthquake, Winter, Wind, Tropical, Lightning, Health, Utility, Terrorism
King Hill Reservation (400 acres) and Hiking Trails (Town)	Hominy Pot and Kings Hill Road	927-2400	N/A	Temperature, Wind, Winter, Flood, Lightning, Tropical, Wildfire
Smiley Grove Park (Playground) **[~10 capacity]**	1513 Route 114	n/a	$1,800	Wind, Tropical, Flood, Terrorism
Sunapee Ragged Kearsarge Greenway Trail (in Sutton, Trail by High School, North Road)	Route 114 access by Gile Pond Road, Kearsarge Valley Road	N/A	$0	Temperature, Wind, Winter, Flood, Lightning, Tropical, Wildfire
Sutton Athletic (Baseball) Field **[~75 cars]**	Penacook Road	leased from state Forest & Lands	N/A	Temperature, Wind, Winter, Flood, Lightning, Tropical, Wildfire, Terrorism
Sutton Free Library **[~20 capacity]**	103 Main Street	927-4927	$91,700	Earthquake, Temperature, Wind, Flood, Health, Utility, Fire, Terrorism
Wadleigh State Park **[~75 cars]**	138 Penacook Road	927-4724	$0	Temperature, Wind, Winter, Flood, Lightning, Tropical, Wildfire, Terrorism
Webb/Crowell Conservation Lands (94 acres) Hiking Trails (Town)	Meetinghouse Road	927-2400	N/A	Temperature, Wind, Winter, Flood, Lightning, Tropical, Wildfire
William Bean Quarry Hiking Trails [logging roads] (Town)	King Hill	927-2400	N/A	Temperature, Wind, Winter, Flood, Lightning, Tropical, Wildfire
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
see also Economic Assets Table			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
			$1,832,370	**Total Facilities Structure Only Assessed Value**

Problem Statement:	**Fire started from any source (lightning, human, electrical, wildfire) at the historic, wooden Follansbee Inn or Cressey House, which are old buildings without sprinklers and were not constructed to modern codes, the buildings would be consumed quickly. As an additional issue, Cressey House borders the Lane River, but the access bridge is constricted at the corner, limiting evacuation traffic or fire apparatus.**
Problem Statement:	**Camp Wabasso on Blasidell Lake was situated as a traditional cabins-in-the-woods configuration. Emergency responder access to cabins are limited, would be difficult, and would require additional time, in case of an emergency.**
Problem Statement:	**Should a person using the remote trail systems in Sutton become injured, they would very difficult to access by emergency responders during a personal emergency. With more people using these remote trails, accidental fires becoming wildfires could become more common and if a wildfire does occur, evacuating people from the trails would be diffcult.**
Problem Statement:	
Problem Statement:	

Table

Future Development

Opportunity Name	Location	Type of Facility	LAND Only Value $ *As Applicable*	Primary Natural Hazard Vulnerabilities
Potential or Approved Planning Board Developments				
Meadowview Subdivision	08-217-478, Hominy Pot Road, Kings Hill, Felch Road, Penacook Road	9 lots residential	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
Harborview Subdivision	10-688-134, Stonehouse Road and possibly Kings Hill as a secondary emergency access	32 lots residential	$451,100	Winter, Wind, Wildfire, Tropical, Lightning, Utility
Rogers Subdivision	Birch Hill Road	5 residential lots (3 homes in 2019)	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
			$0	
Large Lots with Development Potential (Legacy Parcels)				
Prime Children's Trust	41 Beaver Pond Road	609 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
E Chinberg Trust	485 Kings Hill Road	463 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
W Uhl Trust	192 Wadleigh Hill Road	439 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
Row Tic/C Scott	265 Penacook Road	320 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
Prime Children's Trust	Beaver Pond Road	313 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
Electronic Power Components	Eaton Grange Road	270 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
T Hibbard	North Road	263 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
C Chan Trust	Beaver Pond Road	256 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
A Wagner Jr	Roby Road	242 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
Woodlot & Grange LLC	Eaton Grange Road	238 acres	N/A	Winter, Wind, Wildfire, Tropical, Lightning, Utility
W Puskas	Eaton Grange Road	191 acres	$0	Winter, Wind, Wildfire, Tropical, Lightning, Utility
			$0	
Lots for Sale		As of Jan 2019	Listing price per web sites	
Cotton/Shaker Roads Lot	Cotton & Shaker Road	Residential (123 Acres)	$165,000	Winter, Wind, Wildfire, Tropical, Lightning, Utility

Critical & Community Facility Vulnerability Assessment 2019

SUTTON HAZARD MITIGATION

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NH 114 Lot	1008 Route 114	Residential (46 acres)	$88,700	Winter, Wind, Wildfire, Tropical, Lightning, Utility
Hominy Pot Road Lots	Hominy Pot Road (3 lot)	Residential (12.5 acres)	$129,900	Winter, Wind, Wildfire, Tropical, Lightning, Utility
Pound Road Lot	0 Pound Road	Residential (178 acres)	$214,700	Winter, Wind, Wildfire, Tropical, Lightning, Utility
Roby Pond Road Lot	501 Roby Road	Residential (20 acres)	$34,900	Winter, Wind, Wildfire, Tropical, Lightning, Utility
			$0	2019 Natural- Drought, Earthquake, Temperature, Wind, Flood, Landslide, Lightning, Health, River, Winter, Solar, Tropical, Wildfire
			$0	2019 Tech & Human- Infrastructure, Dam, Fire, Haz Mat, Utility, Crash, Mass Casualty, Terrorism, Cyber
			$1,084,300	**Total LAND Only Assessed Value (Approved Parcels + Parcels for Sale)**

Problem or Opportunity:	**Development of one of the large lot parcels would create an impact on public services that would be too severe for the Town to accommodate at current levels taxation and community facilities.**
Problem or Opportunity:	**Creation of impervious surfaces when new developments are constructed lead to groundwater contamination, flooding, and erosion problems.**
Problem or Opportunity:	
Problem or Opportunity:	