

# Appendix B: Workshop CRB Matrix

Clean CRB Matrix

Workshop CRB Matrices



H-M-L priority for action over the Short or Long term (and Ungoing)  
V = Vulnerability S = Strength

**Top Priority Hazards** (tornado, floods, wildfire, hurricanes, earthquake, drought, sea level rise, heat wave, etc.)

[illegible]

# ENVIRONMENT

## Community Resilience Building Risk Matrix



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H-M-L priority for action over the Short or Long term (and Ongoing)

V = Vulnerability S = Strength

Top Priority Hazards (tornado, floods, wildfire, hurricanes, earthquake, sea level rise, heat wave, etc.)

Winter Storms	Flooding	Heat	Tornadoes	Priority	Time	VOTE
				H-M-L	Short Long Ongoing	

Features	Location	Ownership	V or S				
ENVIRONMENTAL							
Blocked or impassable Roads (S) Rts 12-140 x 116 Pros	Prospect St Maple St Sea Maple St (MAP)		V- S Highway	Communication throughout the town through radio system	H	O	
Extended power outages	Town wide	W&M LP- Strength	✓	Continue & upgrade regularly tree maintenance	H	O	
SALT (Road)	Beaman St Thoms St Town wide	DPW DE MassDOT	✓	Upgrade equipment & upgrade calibration work with watershed towns to explore options already	H	O	
Increase damage from accidents to natural resources	Reservoir	DPW MassDOT	✓	Investigate BMP's	M	O	
Schools as Shelter	High School		S	maintain generator	H	O	
Seal infiltration into sewer system	Town wide	Town	✓ S	Implement CMOM - capacity management operations maintenance public outreach & awareness	M	O	
Train derailment	Town wide	PAN AM CSX	✓	Communicate with railroad for track maintenance	H	O	
INVASIVES	Town wide		✓	locate assess	M	O	
Forest cover damage - heavy snow ice active forest management	Town wide	DPW W&M LP	✓ S	Communication between town and state for maintenance	M	O	
Pump Station Seals System Update & Capital Improvements	Town wide	Sewer Dept	S	maintain current maintenance, capital improvements and public awareness	M	O	
Undersized drainage/Flooding	See map green highlight	West Barnston BCR	✓	Study & re-engineer - new assessment Public education	H	S	
Increase damage from pollution	Town wide	Public Private Municipal	✓	nature based solution	M	O	
Road damage due to Flooding & erosion	See map green highlight		✓	Townwide assessment of storm drains, retention ponds	H	O	
Train track damage from flooding	Angell Force & Thoms St Bridge Gates Brook	PAN AM	✓	Communication with railroad	M	L	
HURRA Control Water in reservoir - Flood prevention	reservoir	HURRA	S	Continue to communicate with state before predicted extreme events	M	O	
Water quality impact/wells & Storage	Town wide	Water Dept	✓ S	Continue monitoring & testing wells and communication with BCR + Treatment	H	O	
wild fires	Town wide	DeR	✓	Dead wood collection & working with State	M	O	
Water quality for fish & habitat	Town wide	Town State Private	✓	Public education & outreach investigate ways to keep water clean for natural habitat	M	O	
STANDING water from flooding	Town wide	See map	✓	Storm drains & culvert maintenance	M	O	

Fuel storage facility

Shrewsbury St

NODD

✓

verify for compliance

L

O

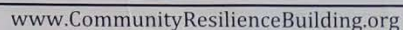


SOC 1 ETU

**Top Priority Hazards** (tornado, floods, wildfire, hurricanes, earthquake, sea level rise, heat wave, etc.)

H-M-L Priority for action over the Short or Long term (and Ongoing)				Winter Storms	Flooding	Heavy wild fires	Severe Storms	Priority	Time	VOTE
V = Vulnerability S = Strength								H - M - L	Short Long Ongoing	
Features	Location	Ownership	V or S							
SOCIETAL										
New generators at School		WB	S							
Senior Center w/ generator		WB	S	Pursue generator (and budget maintenance funds) Potential use as shelter if it becomes impossible to evacuate Maintenance and a removal plan	H					
FLAT ROOFS Schools + Nursing home		WB	V							
RR Locations	Proctor Cornish	Private	V	What environmental impact on tracks & rail bed due to heat/cold, rain - excess water	H					
Wetlands/DETENTION PONDS		WB/ADU	V	Potential long term issue -						
EDWARDS POND DAM - IF BREAK - 240 Homes cut off		STATE	V	Collaborate w/ DER & DPW	H					
CLUSTERS of SENIORS - Angel Brook - Hillside + ORCHARD RD 11 OAKDALE NURSING HOME		PRIVATE	V	TRANSPORTATION - "1st Student" - write list of individuals - without transportation / MARK COUNTESS						
Starling Meadows - flooding		STATE	V	State owned - High flood area						
FLAMABLE STORM DEBRIS NEAR m/hs		STATE?	V	Determine jurisdiction to find what we can touch - (over HS - Residential)	H					
OAKDALE VILLAGE AREA		WB/STATE	V	OPEN/Remove Dam(?) Upkeep of culverts -	H					
MUNICIPAL UTILITIES		WB	S	Keep pace w/ town - Watch growth & development						
Emergency RESPONSE CAPABILITY		WB	V	Ensure/continue coordination with other resources						
TRANSPORTATION/EMERGENCY LOGISTICS		?	V							
MDUs - Agreements in place ahead of time										

## Community Resilience Building Risk Matrix



H-M-L priority for action over the Short or Long term (and Ongoing)

V = Vulnerability   S = Strength

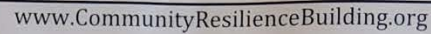
**Top Priority Hazards** (tornado, floods, wildfire, hurricanes, earthquake, sea level rise, heat wave, etc.)

M-L priority for action over the Short or Long term (and Ongoing)				Winter Storms	Flooding	Severe Heat	Severe Storms	H-M-L	Time	VOTE
Features		Location	Ownership	V or S					Short Long Ongoing	
INFRASTRUCTURAL										
Salting Roads	town wide	town + state	V + S	Complete Environmental Impact Study and Alternative Solutions cost estimate	M	S				
Blowing snow	near prospect st.	town / private	V	Construct temp. green screen near road (land is privately owned)	L	O				
Communication issues with DCR	town wide	mult. agencies	V	Maintain and improve cross communication	M	O				
Back-up power Senior center town hall	town wide	town	V	Add back-up generators Town Hall used for information/distribution/call/public center	H	S				
Power grid	town wide	town + vertical grid	V + S	Continue to maintain existing grid. Revisit zoning and planning by-laws to investigate power line layouts.	M	O				
Shelter back up power	Major Edwards High School, Senior Center	town	V	Major Edwards and Senior Center do not have back up power / Add generators	H	S				
Municipal fuel tanks	110 Worcester St.	town	S	Ensure that all fuel tanks are tied into existing and future generators	M	S				
Pumping station	near Walmart → water main → sewer main	town	V + S	Complete comprehensive study for improved drainage capacity	H	L				
stirling Street Flooding	stirling St. near Regent	town	V	Complete comprehensive engineering study, investigate use of a natural culvert	H	L				
Power grid point of connection	19C temple St.	town light department	V	Add additional points of connection, ensure tree trimming and clear during storms @ Temple, Pierce, and Heartwell* *Light Dept. maintained	M	O				
National Grid power station	temple St.	National Grid	V	Continue working with National Grid on proper maintenance	L	O				
old dumps	Near reservoir	town	V	Monitor dumps and continue maintenance	L	O				
Water wells	caldeale temple St. 19C St.	town	S + V	Intense Test interconnectability of existing and new water wells and continue maintenance. Seek alternate sources of water	M	O				
Culverts	near Walmart store's pizza	state	V	Complete inventory and study of culverts and prioritize locations to increase capacity.	L	O				
Internal Communication	town wide	town	S + V	Install supplemental radios to use between Emergency services, BWP, water, light. Hold quarterly meetings with all impacted departments on emergency preparedness	H	O				
Sediment ponds	Rt. 12 caraway	state	V	Communicate with state on flooding concerns and work with them to find solutions.	L	O				
Surge Pumping Stations	Rt. 12 Shaker Pt. Caldeale Rt. 110 Worcester Temple St.	town + state	V	Near Watersheds Install alternative lay or retention pond to contain overflows	H?	L				
tree management/debris	town wide	state + town	V + S	Continue maintenance and response program and improvements on dead fall inventory and clean up	L	O				
WildFire fighting capabilities	town wide	state + town	V	Town responsible for tree maintenance Train fire staff to prepare and respond to wildfires. Maintain and replace equipment	M	O				

SAME AS  
#5

## DPW Facility

## Community Resilience Building Risk Matrix



**Top Priority Hazards** (tornado, floods, wildfire, hurricanes, earthquake, sea level rise, heat wave, etc.)

Priority	Time	VOTE
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Location	Ownership	V or S
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Short Long  
Ongoing

## INFRASTRUCTURAL

[illegible]

NEED ACCESS TO  
WALK-IN CLINIC  
OR IN TOWN FACILITY

MULTI-TOPIC  
GROUP #2  
PAGE 1

# Community Resilience Building Risk Matrix

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H-M-L priority for action over the Short or Long term (and Ongoing)

V = Vulnerability S = Strength

Top Priority Hazards (tornado, floods, wildfire, hurricanes, earthquake, sea level rise, heat wave, etc.)

Winter Storms	FLOODING	HEAT-RELATED	SEVERE STORMS	Priority	Time	VOTE
				H-M-L	Short Long Ongoing	

Features Location Ownership V or S

## INFRASTRUCTURAL SEWER - BACKUP POWER

SCHOOLS / SHELTERS		Muni	S
FIRE DEPT		Muni	S
POLICE DEPT		Muni	S
SENIOR CENTER		Muni	S
PUBLIC SAFETY EQUIPMENT		Muni	S
Environmental			
WACHUSETT COUNTRY CLUB		Private	S
QUABBIN AQUEDUCT SHAFT		STATE	S
WACHUSETT RESERVOIR		STATE	S
DCR OFFICE BEAMAN ST		STATE	S
INVASIVE SPECIES ALONG ROADWAYS		M/S	V
STORM DEBRIS		MUNI/P	
Societal			
Worc. County House of Corrections		STATE	V
PET-FRIENDLY SHELTERS		Private	S
WACHUSETT RECYCLING CENTER		STATE/REG	S
Food PANTRIES / Meals on wheels		Private	S
FAITH BASED ORG'S / HC, SC		Private	S
CIVIC / SOCIAL ORG'S		PRIVATE	S
ALB WOOD PROCESSING CTR		FED / STATE	S
MANOR RESTAURANT		Private	S

## PT STRATEGIES

FOOD, POWER, SUPPLIES

FACILITY UPGRADE

COMMUNICATIONS CENTER

FOOD, POWER, SUPPLIES

POWER & COMMUNICATIONS EQUIPMENT

SHELTERING CAPACITY IN / OUT SIDE

POWER GEN CAPACITY

DCR PARTNERSHIPS / COMMUNICATIONS

POTENTIAL POWER GEN / COMMUNICATIONS CTR

DEVELOP INNOVATIVE CONTROLS / MGT.

DEVELOP PLAN UTILIZING ALB SITES / OTHER APPRO. MUNI SITES

COORDINATE TO OPTIMIZE EMERG. RESPONSE

INVENTORY - REGIONAL OR LOCAL OPTIONS & DEVELOP

POSSIBLE DEBRIS MGT. / STAGING AREA

INVENTORY NEEDS / DEVELOP PLAN

ASSESS CAPACITY / INCLUDE IN PLANNING

ASSESS CAPACITY / INCLUDE IN PLANNING

SHELTERING CAPACITY INSIDE

H	S	1
H	S	
H	S	
H	S	
H	S	2
L	L	
M	S	
M	O	
L	O	
M	O	
M	O	
H	O	
H	O	
H	S	
M	O	
M	O	
M	O	
M	O	
M	O	
L	O	

ENVIRONMENTAL

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Top Priority Hazards (tornado, floods, wildfire, hurricanes, earthquake, sea level rise, heat wave, etc.)

V = Vulnerability S = Strength				WINTER STORMS	FLOODING	HEAT-RELATED	SEVERE STORMS	Priority	Time	VOTE
Features	Location	Ownership	V or S					H - M - L	Short Long Ongoing	
INFRASTRUCTURAL BOYLSTON LINE				EAST-WEST ACCESS/HOLDEN STRATEGY				M	O	
MA-140 GEOMETRY-REDESIGN		STATE	V	ADVANCE PROJECT TO DESIGN PHASE				M	L	
MA-140 S. INTERSECTION FRANKLIN		STATE	V	ASSESS FLOODING ISSUE				H	S	
MA-12/STERLING MEADOWS		Private	V	ADDRESS FLOODING ISSUE / RR RISK				M	L	
RR- PANAMHARTWELL STREET		Muni	V	DEVELOP ICE/SNOW ROAD TREATMENT OPTIONS W/ LESS IMPACT				H	S	
WELLHEADS/WATER SYSTEM		Muni	V	EVALUATE CONDITION/ID STRUCTURAL CAPACITY IMPROVEMENTS				H	S	
MALDEN ST. CULVERT										
Environment										
MA-12 WALMART CULVERT		ST	V	EVAL (MassDOT) & I.D. REQUIRED IMPROVEMENTS				H	S	
DCR PROP MGT FIRE HAZARD CONTROL		STATE	V	SILVICULTURE/WILDLAND-URBAN INTERFACES COORDINATION / MGT. OF FIRE RISK				M	O	
SNOW DRIFTS PROSPECT ST		M/P	V	COORD. W/ PRIV. OWNERS - SNOW FENCE				H	S	
GENERAL RAILROAD ENV. PROCEDURES		Private		PLG. FOR HAZMAT RESPONSE + COORD. / AWARENESS - IN RESPONSIBLE PARTIES				M	O	
PANAM RAILWAYS		Private		" " "				M	O	
Societal										
RESERVOIR- EMERG RESPONSE		STATE		COORDINATE INCIDENT RESPONSE MET.				M	O	
CAMP WOODHAVEN		Private		COORDINATE INCIDENT/EMERG RESPONSE PLG. DEVELOP PUBLIC EDUCATION HAZARD AWARENESS				M	O	
ELDER SAFETY- EVACUATION		Muni		" " "				M	O	
DAY CARE SAFETY		Private						M	O	
WEATHER ALERTS		Muni		EVALUATE / IMPROVE COMMUNICATIONS DURING CRITICAL EVENTS				M	O	
EVACUATION- REGIONAL PROCEDURES		REG		REGIONAL COORDINATION W/ TRANSPORTATION + EMERG. MGT. AGENCIES				M	O	
		MEMA								

ADVANCE PROJECT TO DESIGN PHASE

ASSESS FLOODING ISSUE

ADDRESS FLOODING ISSUE / RR RISK

DEVELOP ICE/SNOW ROAD TREATMENT OPTIONS W/ LESS IMPACT

EVALUATE CONDITION / ID STRUCTURAL CAPACITY IMPROVEMENTS

EVAL (MassDOT) & I.D. REQUIRED IMPROVEMENTS

SILVICULTURE / WILDLAND - URBAN INTERFACES COORDINATION / MGT. OF FIRE RISK

- COORD. W/ PRIV. OWNERS - SNOW FENCE

- PLG. FOR HAZMAT RESPONSE + COORD. / AWARENESS - IN RESPONSIBLE PARTIES

" " "

COORDINATE INCIDENT RESPONSE MGT.

COORDINATE INCIDENT/EMERG RESPONSE PLG.

DEVELOP PUBLIC EDUCATION HAZARD AWARENESS

" " "

EVALUATE / IMPROVE COMMUNICATIONS DURING CRITICAL EVENTS

REGIONAL COORDINATION W/ TRANSPORTATION + EMERG. MGT. AGENCIES

H-M-L priority for action over the Short or I  
Y = Vulnerability S = Strength

## Features

INFRASTRUCTURAL BOYLSTON U

MA-140 GEOMETRY-REDE

MA-140 S. INTERSECTION / FRP

MA-12 / STERLING MEADOWS

RR- ~~PANAM~~ HARTWELL STREET

## WELLHEADS/WATER SYSTEM

MALDEN ST. CULVERT

## Environments

MA-12 WALMART CULVERT

DCR PROP MGT FIRE HAZARD CONTROL

SNOW DRIFTS · PROSPECT ST

GENERAL RAILROAD ENV. R.

PANAm RAILWAY

Societal

## RESERVOIR-EMERG RESPON

CAMP WOODHAVEN

## Elder Safety: Evacuation

## DAY CARE SAFETY

## WEATHER EFFECTS

EVACUATION-REGIONAL PRIC

mult #2

VOTE

- ① Municipal Facilities
  - Evaluate Preparedness/Walk in Clinics
  - Schools, Police Dept., Fire Dept.
  - Med. Clinics, Senior Center, Shelters (Animal Friendly)
- ② Public Safety Equipment
  - ~~Power + Communications~~
- ③ Assess Flooding Issues
  - MA-12, Sterling Meadows
  - Malden Street Walmart
- ④ Evaluate ~~past~~ Snow/ice treatment for environmentally friendly options
- ⑤ RT 12, 140, Franklin Triangle Traffic Redesign

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H-M-L priority for action over the Short or Long term (and Ongoing)

V = Vulnerability S = Strength

Top Priority Hazards (tornado, floods, wildfire, hurricanes, earthquake, sea level rise, heat wave, etc.)

WINTER STORMS	HEAT, DROUGHT, P TEMPS	FLOODING	SEVERE STORMS	Priority	Time	VOTE
				H-M-L	Short Long Ongoing	

Features	Location	Ownership	V or S				
ENVIRONMENTAL							
RESERVOIR	C Map	Public	V/S	All FORMERLY COORDINATE w/ DCR/MWR/Adjacent Counties	L	O	
Smaller Brooks Gile Brook w/ Ashcroft	C Map		V	FLOODING/INUNDATION + 10 to S Water	H	S	●●●●●
DAMS Quinquet Edwards	C "	2-Public 1-Private	V	Assess water flow/culverts	M	S	
Stormwater Mgmt + MS4 complian.		Public	V/S	CRS Investigate / Review EIRM Maps	M	S	
IXR Protected Land.		Public	V/S	Continue participation CMRS WC		O	
TRAIL MGMT PLAN?			V	US, HD, SS - Underst + Coord w/ DCR			
Societal Cemetery Space			V	Floods			
SHELTERS - Schools 0	Various	Public	S/V	Need Generator @ Sr. Chr + Town H/H	M	S	●●
Communication / Shelter Plan		Pub/Priv.	S/V	(Go Bags) Communications to Ros SP. Chr. Vulnerable Pop. FEMA Ready Gov.	M	S/O	
Camp Woodhaven Shelter Summer / Not Winter	N	Priv.	V/S	H, D, Floods, Severe Storms Continue Coordination	M	O	
COUNTY JAIL, Systems, Mobile		Public	S	Communication, Road Conditions			
Public Housing / H: 20 Rental Units			V	Continue Coord. + Communicate w/ Town Use neighborhoods! Use Mobile Comm. Post, work (vars)		O	
87 Maple St + Families H. Ave.			V	Coord / Communicate in event of - BO Bess, Shelter Evacuation Plan, Outreach Multilingual, 1st studies + BO	M	O	
NO SUPERMARKET			V	use joint kitchens, grow more local food.			
Infrastructure			V				
ROADWAYS - Rt 12 STERLING PINEROFT	C Map		V	Flood, SS. Sp to Small Brooks in Enviro Assess	H	L	
RT-12, 140 Evac Rts			S	Review regularly	L	O	
Pump Stations w/ Backup Gen		Public	S	Access + improve if needed	M	S	
Wells + well protection	On map	Public	S	Assess capacity + move forward expeditiously	M	S	
Gas Supply / Stations	Established	Private	MAY DPW, PS	+ vulnerability			
Solar Fields		Public	V/S	WIND WIND BREAKS Can Use as Backup Elect			
High Voltage Power Lines		Private	V	WIND WIND BREAKS Can Use as Backup Elect	L	L/O	

Concern w/ road cancer rates

NEW + GOOD COND OF TOWN BRKS  
SALT Shed Near DPW @ Res

S INVESTIGATE  
V MOVE SALT SHED.

M H S

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Top Priority Hazards (tornado, floods, wildfire, hurricanes, earthquake, sea level rise, heat wave, etc.)

WINTER	HEAT	FLOODING	SEVERE STORMS	Priority	Time	VOTE
H - M - L	H - M - L	H - M - L	H - M - L	H - M - L	Short Long Ongoing	

Features	Location	Ownership	V or S				
ENVIRONMENTAL							
RAILTRAIL - Town owned.	1	Public	S/V	Beaver population - assess dam	M	O	
BEAVER DAMS @ Westham Brook		Private	V				
INVASIVE PLANT / Pest <sup>Gypsy moths</sup> <sub>ALB Poison Ivy</sub>	1		V	How to address Gypsy Moth to others	M	O	
GROWING BAT POPULATIONS		Private	S	Woodhaven to Build Bat House Bats eat Gypsy Moths.	M	S	
TREE CANOPY (Brush Dump)		Various	V/S	FIRE DEPT Equip to fight / Debris Mgmt. <sup>all Hazards</sup> <sub>diverse tree species, Don't Debris Mgmt</sub>	M	O	
Societa   <sup>CEMLEC</sup> <sub>Historic Participation</sub>			S	CERT, Regular Drills + Exercises		O	
* OAKDALE - Long Term CARE			V/S	Town Runs P.T. + recods w/ EMD	H		
* BRIMWOOD Court Care Housing			V/S	COORD MASSIVE w/ MASS MAP			
Town-operated SAMS/ACS			S				
MASS MAP - COORDINATION			S				
JR Ctr - 120Pascott. Communication			S	Add resources to make reliable shelter. <sub>generator, kitchen, shower, ADA Access</sub>			
CHURCHES Communication Food Pantry			S	Proactive commun. c'tion w/ Vulnerable Populations	H	S	
Regional Historic Recycling / SH Mgmt.			S	Add Ambulance Regional Evac Plan (Fail other entities)	L	L	
CMRPHA - Families / MOVs			S				
Infrastructure <sup>Impacted Transit</sup> <sub>COA Plans</sub>			V	Continued to coord w/ WRTA, Sr. Ctr.	L	O	
Railroad P&W <sup>in littie</sup> <sub>Doral mat H2O cont.</sub>			V	Coord. w/ RR	M	O	
Culvert RR Pascott.			V	Coord w/ RR -> expand capacity	H	S	
SEWER - SEWER ITI Study			V	Complete VI study, repair as needed	H	S	
Muni Light- TREE TRIMMING			S	Cont. program	H	O	
Regional Dispatch w/ Haldon			S	Cont.	H	O	
Good Connectivity			S	Cont.	H	O	

Review + update M L O

Central MASS Public Health

Public Agency Communication

MWRA / DCR / Sheriff, FRW

Coordinate more regularly

L O

# Community Resilience Building Risk Matrix



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				Top Priority Hazards (tornado, floods, wildfire, hurricanes, earthquake, drought, sea level rise, heat wave, etc.)		
H-M-L priority for action over the Short or Long term (and Ongoing) V = Vulnerability S = Strength				Priority	Time	
Features	Location	Ownership	V or S	Flooding                     Winter Storms (snow, ice)                     Droughts and Wildfire                     Severe Storms	H - M - L	Short Long Ongoing
<b>Infrastructural</b>						
Backup power at shelters	Senior Center, Major Edwards Elementary School, and Town Hall	town	V	Add backup generators at the Senior Center, Major Edwards Elementary School, and the Town Hall	H	S
Blowing Snow	near Prospect Street	town and private owner	V	Construct temporary green screen near road	L	O
Catch Basins	town wide	town	V	Continue maintenance inventory and schedule for all catch basins throughout town	L	O
Clinton Dam in Clinton, MA	Clinton, MA	State	V/S	Continue to maintain a line of communication with the Massachusetts Water Resources Agency on the status of the dam	L	O
Communication Issues with DCR	town wide	multiple agencies	V	Maintain and improve cross communications between the town and the state	M	O
Connectivity within Region	Region wide	Public	S	Continue to provide good connectivity between West Boylston and neighboring communities	H	O
Culverts	Sterling Street, Route 12 near Wal-Mart, and Route 12 near Steve's Pizza	State	V	Complete an inventory and study of all the culverts in the town and prioritize locations which need increased capacity	L	O
Department of Public Works Facility	40 Worcester Street	town	V	Construct new state of the art facility to house existing and enhanced operations and equipment	H	L
Evacuation Routes	Route 12 and Route 140	State	S	Review evacuation routes and assess roadways regularly	L	O
External Communications with the Town	town wide	town	V/S	Increase and expand Code Red usage and social media presence between all town departments and local residents and businesses.	L	O
Fire Department		town	S	Upgrade the Fire Department's facility	H	S
Flooding along Roadways	Route 12, Sterling Street, and Pinecroft Avenue	Town and State	V	Complete an environmental assessment to redesign the storm water systems to tie into small brooks	H	L
High Voltage Power lines		Private ownership	V	Continue to coordinate with National Grid on maintenance and access	L	O
Internal Communications	town wide	town	V/S	Purchase and install supplemental radios to use between Emergency Services, the Department of Public Works, the Water Department, and the Municipal Light Plant. Additionally, hold regularly scheduled meetings with all relevant departments to discuss and monitor emergency preparedness	H	O
MA-12 at Sterling Meadows		State	V	Assess flooding issues	H	S
MA-140 Geometry Redesign at the Town of Boylston Line		State	V	East-West Access travel flow will be explored	M	O
MA-140 South Intersection		State	V	Advance project to the design phase	M	L
Malden Street Culvert		Town	V	Evaluate the existing condition and identify structural capacity improvements	H	S
Manor Restaurant		Private ownership	S	Assess for shelter-in-place capacity	L	O
Municipal Buildings		Public	S	Assess the town's municipally owned buildings for new or good condition	H	S
Municipal Fuel Tanks	40 Worcester Street	town	S	Ensure that all fuel tanks are tied into existing and future backup power generators	M	S
Municipal Light Plant	Town wide	Public	S	Continue the department's tree trimming program	H	O
National Grid Substation	Temple Street	National Grid	V	Continue working with National Grid to maintain proper maintenance of the substation	L	O
Natural Gas Lines	main roads	Eversource	V	Continue to monitor and report leaks and damages with Eversource	L	O
New Salt Shed	Department of Public Works	Public	V	Move Salt Shed	H	S
Old Municipal Waste Facilities	Near Reservoir	Town	V	Continue to monitor and maintain the capped facilities	L	O

Oxford Waste Facility	Oxford, MA	Casela	S	Maintain a relationship with Casela for waste, construction, and debris pickup and disposal while exploring options for additional hauling and disposal capacity	L	O
Police Department		town	S	Add a communications center to the Police Department office	H	S
Power Grid	town wide	town and National Grid	V/S	Continue to maintain the existing grid and revisit zoning and planning bylaws to investigate power line layouts.	M	O
Power Grid Point of Connection	196 Temple Street	Town Light Department	V	Add additional points of connection and ensure that trees are trimmed and debris is cleared along Temple, Pierce, and Hartwell Streets	M	O
Prescott Street Culvert over Waushacum Brook	Near Railroad Track	Public and private entities	V	Coordinate with the Railroad's owner and operators to expand the culvert's capacity in order to reduce flooding	H	S
Providence and Worcester Railroad [Pan Am Railways is owner of the line]	Town wide	Private ownership	V	Coordinate with the Railroad's owner and operators on wildfire and derailment containment	M	O
Public Agency Communications	Town wide	Public	V	Coordinate more regularly with the Massachusetts Water Resources Agency, the Department of Conservation and Recreation, the County Sheriff, and the Department of Fish and Game.	L	O
Public Safety Equipment		town	S	Ensure all public safety locations have backup power and access to a line of communication	H	S
Railroad crossing at Hartwell Street Underpass		Private ownership	V	Address flooding issue and its associated risk for the railroad	M	L
Regional Dispatch Services	area wide/Towns of Holden, Princeton, and Paxton	Police department	V	Increase and improve staffing and training capabilities at all regional dispatch centers	M	S
Regional Dispatch Services with the Town of Holden	Town and region wide	Public	S	Continue the dispatch coordination service	H	O
Salting Roads	town wide	town and state	V/S	Complete Environmental Impact Study and alternative solutions cost estimate	M	S
Schools as Emergency Shelters		town	S	Add food, power, and supplies for use during emergencies	H	S
Sediment Ponds near the Route 12 Causeway	Route 12 Causeway	state	V	Communicate with the state on flooding concerns and collaborate on potential solutions	L	O
Senior Center		town	S	Add food, power, and supplies for use during emergencies and ensure the facility has access to a walk-in clinic or in town medical facility	H	S
Sewer Pump Stations with Backup Generators		Public	S	Assess and improve pumps and generators if needed	M	S
Sewer System Infrastructure	Town wide	Public	V	Complete a system wide study of the existing conditions of the infrastructure and repair system as needed	H	S
State Owned lands	town wide	State	V	Maintain a relationship with the State	L	O
Sterling Street Flooding	Sterling Street near Prescott Street	town	V	Complete comprehensive engineering study for solutions to improve drainage and investigate the use of a natural culvert at high impact points	H	L
Transmission Lines	town wide	National Grid	V	Maintain a relationship with National Grid	L	O
Tree and Debris Management	town wide	town and state	V/S	Continue inventory and maintenance operations and response and cleanup program for dead and vulnerable materials	L	O
Verizon Communications Office	Prospect Street	Verizon	V	Maintain a relationship with Verizon	L	O
Water Pumping Stations	Route 12, Route 110, Worcester/Temple St, Sterling Street, Oakdale	town and state	V	Complete a comprehensive study for improved drainage capacity and consider installing alternative levees or retention ponds next to storm water pumping stations to contain overflow surges.	H	L
Water Wells	Oakdale, Temple Street, and Lee Street	Town	V/S	Explore and test interconnectability of existing and future wells, continue to maintain the existing wells, and explore alternative sources of water for the town	M	O
Wellheads/Water System		Town	V	Develop ice and snow road treatment options with less impact	H	S
Wells, Well Protection, Gas Supply and Sub Stations, and Solar Fields		Public and private entities	V/S	Assess capacity and move forward expeditiously if issues arise	M	S
West Boylston Council on Aging		Public	V	Continue to coordinate with the Worcester Regional Transit Authority to increase the limited number of transit options for senior citizens and the senior center	L	O
Wildfire Fighting Capabilities	town wide	town and state	V	Maintain and replace firefighting equipment and train fire staff to prepare and respond to wildfires	M	O
<b>Societal</b>						
Camp Woodhaven		Private ownership		Coordinate incident and emergency response plan and develop public education hazard awareness	M	O
Camp Woodhaven Shelter		Private ownership	V/S	Work with owner to assess readiness for the camp to act as a shelter during summer related natural emergencies and continue to coordinate and communicate with town and emergency officials in regards to road conditions	M	O
Cemetery Space			V	Address flooding issues	L	O

Central Massachusetts Law Enforcement Council			S	Activate and encourage high civic and law enforcement participation with the Community Emergency Response Team, regularly scheduled drills, and exercises	L	O
Central Massachusetts Regional Public Health Alliance		Public	S	Work with the agency to add an Ambi Bus to their fleet and development a regional evacuation plan	L	L
Civic and social organizations		Private ownership	S	Assess capacity and include in planning for future emergency needs	M	O
Clusters of Senior Citizens in Angell Brook, Hillsdale, Orchard Knoll, and Oakdale Nursing Home		Private ownership	V	Collaborate with various care and emergency services to create a transportation plan for vulnerable individuals and senior residents without access to transportation	L	
Communication, Shelter Plan, and Code Red		Public and private entities	V/S	Continue to increase and improve communications between emergency services and residents and investigate creating a special center for vulnerable populations which is FEMA compliant	M	S/O
County Jail Systems and Mobile Command Unit		Public	S	Continue to coordinate and communicate with the town, utilize woodchoppers, and utilize the mobile command post	L	O
Day Care Safety		Private ownership		Coordinate incident and emergency response plan and develop public education hazard awareness	M	O
Edwards Pond Dam		State	V	Collaborate with the State and the Department of Public Works to create a plan if there is a dam failure	H	
Elder Safety Education		town		Coordinate incident and emergency response plan and develop public education hazard awareness	M	O
Emergency Response Capability and Transportation Logistics		town	V	Ensure efficient service is maintained and continue to coordinate logistics with all emergency services	L	
Faith based organizations		Private ownership	S	Assess capacity and include in planning for future emergency needs	M	O
Flammable Storm Debris near the Middle and High School		town and state	V	Determine the jurisdiction of the land and determine what the town can maintain to ensure wildfires do not impact the school	H	
Flat Roofs at Schools and Nursing Home		town	V/S	Explore maintenance and snow removal plan	L	
Food Pantries and Meals on Wheels		Private ownership	S	Complete an inventory and needs assessment and development a plan to improve the existing programs	M	O
Generators at School and Senior Center		town	S	Purchase generators and budget maintenance funds so the school and senior center can be used as an emergency shelter	H	
Lines of Communication	Area churches, food pantry, regional recycling program, and storm water management services	Public and private entities	S	Conduct proactive communication methods with vulnerable populations	H	S
Long-term and Continuing Care Housing Facilities	Oakdale Village and Briarwood Continuing Care Retirement Home	Public	V/S	Coordinate with Massachusetts Municipal Aid Plan officials and emergency response groups on efficient evacuation procedures for residents	H	O
Mass Decontamination Units		town	V	Ensure that agreements between the State and the Town are in place ahead of any natural disaster	L	
Municipal Owned Utilities		town	S	Continue to track the growth of development throughout the town and maintain adequate service of utilities for all residents	L	
Oakdale Village Area		town and state	V	Continue to maintain the area's culverts and investigate the impacts resulting from removing the Quinapoxet Dam	H	
Pet Friendly Shelters		Private ownership	S	Complete an inventory of existing regional and local options for pet friendly shelters and develop a plan for future locations	H	S
Public Housing, Senior Communities, and High Rental Areas	87 Maple Street, Angell Brook Village, and Hillside Village	Public	V	Communicate and coordinate with residents including multilingual outreach methods, ensure all residents have adequate supplies in the event of an emergency, and utilize the county jail kitchens and increase local food output to offset the lack of a supermarket in these areas	M	O
Railroad Locations and Product Carried		Private ownership	V	Investigate environmental impacts on the tracks and rail bed due to excessive rain and heat and cold temperatures	H	
Regional Evacuation Procedures		Regional municipalities		Maintain regional coordination with transportation and emergency management agencies	M	O
Reservoir Emergency Response		State		Coordinate incident response management	M	O
Schools, Senior Center, and Town Hall as Shelters	town wide	Public	V/S	Procure and install generators for the Senior Center and Town Hall	M	S
Sterling Meadows Flooding		State	V	Continue to maintain flooding risks and communicate with the State about any concerns	L	
Town Bylaw	town wide	Public	V/S	Create a bylaw and send to the Planning Board for review which would require the town to review and up ADA compliance measures	M	L/O
Wachusett Recycling Center		State and regional	S	Develop possible debris management and staging area	M	O

Wetlands and Retention Ponds		town	V	Explore potential long term issues around the wetlands, retention ponds, and surrounding communities	L	
Worcester County House of Corrections		State	V	Coordinate with officials to optimize emergency response	H	O
<b>Environmental</b>						
Beaver Dams	Wausacum Brook	Private ownership	V	Assess the area's beaver population	M	O
Blocked or Impossible Roads	Route 12, Route 110, Route 140, Prospect Street, and Maple Street	town and state	V/S	Communicate throughout the town with a radio system	H	O
Department of Conservation and Recreation Office	Beaman Street	State	S	Consider using the office as a power generation and communications center	L	O
Department of Conservation and Recreation Proposed Management of Fire Hazard Control		State	V	Coordinate the management of fire risks between the urban interfaces and the woodlands	M	O
Department of Conservation and Recreation Protected Land Tree Management Plan		Public	V/S	Coordinate with the Department of Conservation and Recreation on the area's tree management plan	L	O
Extended Power Outages	town wide	Municipal Light Plant	V	Continue to upgrade and maintain tree maintenance program	H	O
Forest Cover Damage from Heavy snow and Ice	town wide	Department of Public Works and Municipal Light Plant	V/S	Communicate with the state for continued maintenance of wooded areas	M	O
Fuel Storage Facility	Shrewsbury Street	NOCO	V	Verify for compliance	L	O
Gates Brook and Angel Brook			V	Assess water flow at the brooks' culverts and ties to storm water alignment	H	S
Growing Bat Populations		Private ownership	S	Camp Woodhaven is to build a bat house so growing bat population can reduce the number of gypsy moths	M	S
Increased Damage from Accidents to Natural Resources	Reservoir	Department of Public Works and MassDOT	V	Investigate Best Management Practices	M	O
Increased Damage from Pollution	town wide	Public and private entities	V	Study nature based solutions to reducing pollution outputs	M	O
Invasive Plants and Pests	town wide		V	Monitor and determine how best to control invasive species such as gypsy moths, poison ivy, Asian long-horned beetles, and others	M	O
Invasive Species	town wide	N/A	V	Locate invasive species and assess risk to the health of native species and residents	M	O
Invasive Species		town and state	V	Develop innovative controls and management	M	O
MA-12 Wal-Mart Culvert		State	V	Evaluate and identify required improvements to the culvert	H	S
Massachusetts Water Resources Agency Control Water in Reservoir and Flood Prevention	Reservoir	Massachusetts Water Resources Agency	S	Continue to communicate with the state before predicted extreme events	M	O
PanAm Railways		Private ownership		Plan for hazmat coordination and response and increase awareness of all responsible parties	M	O
Pump Station Scata System Update and Capital Improvements	town wide	Sewer Department and Water Department	S	Continue to maintain pump stations and increase Capital Improvement funding and public awareness	M	O
Quabbin Aqueduct Shaft		State	S	Investigate power generation capacity	M	S
Quinapoxet and Edwards Dams		Public and private entities	V	CRS Investigate and review FTRM maps	H	S
Rail Trail		Public	V/S	Assess nearby Quinapoxet dam	M	O
Railroad Environmental Procedures		Private ownership		Plan for hazmat coordination and response and increase awareness of all responsible parties	M	O
Road Damage due to Flooding and Erosion	town wide	town and state	V	Complete a town wide assessment of storm drains and retention ponds	H	O
Salting Roads	Beaman Street, Thomas Street, and town wide	Department of Public Works and MassDOT	V	Upgrade equipment and calibration, investigate environmental impacts of liquid pre-treatment, and work with watershed towns to explore alternate options	H	O
Schools as Emergency Shelters	Middle and High School	Town	S	Maintain backup generator	H	O
Snow Drifts along Prospect Street		town and state	V	Coordinate with private owners on the management of snow along the street and explore the installation of snow fences	H	S
Standing Water from Flooding	town wide	town and state	V	Maintain storm drains and culverts	M	O
Storm Debris along roadways		Public and private entities	V	Develop plan to utilize the ALB wood processing center and other appropriate municipal sites to contain storm debris	M	O

Storm water Infiltration into Sewer System	town wide	Town	V/S	Implement Capacity Management Operations and Maintenance Program and increase public outreach and awareness efforts	M	O
Storm water management and MS4 compliance		Public	V/S	Continue to participate with the CMRSWC	L	O
Train Derailment	town wide	Pan America and CSX	V	Communicate with railroad owners and operators for continued track maintenance	H	O
Train Track Damage from Flooding	Angell Brook, Thomas Street Bridge, and Gates Brook	Pan America and CSX	V	Communicate with railroad owners	M	L
Tree Canopy	town wide and town brush dump	Public and private entities	V/S	Supply the Fire Department with equipment to better fight wildfires and provide more efficient debris management. The town will also focus on diversifying the area's tree species	M	O
Undersized Drainage and Flooding	town wide	town and Department of Conservation and Recreation	V	Complete a study and engineering assessment of existing drainage facilities and culverts and propose a re-engineer of critical areas while educating the public on its importance	H	S
Wachusett Country Club		Private ownership	S	Assess for shelter-in-place capacity	L	L
Wachusett Reservoir		State	S	Continue to communicate and partner with the Department of Conservation and Recreation	M	O
Wachusett Reservoir	Reservoir	Public	V/S	Coordinate with the Department of Conservation and Recreation, the Massachusetts Water Resources Administration, and adjacent communities	L	O
Water Quality for Fish and Habitats	town wide	Public and private entities	V	Conduct public education and outreach methods and investigate ways to keep water clean for natural habitats	M	O
Water Quality Impacts and Well Storage	town wide	Water Department	V/S	Continue monitoring and testing wells and communicate with the Department of Conservation and Recreation regarding treatment	H	O
Wildfires	town wide	Department of Conservation and Recreation	V	Work with the State on dead wood collection	M	O