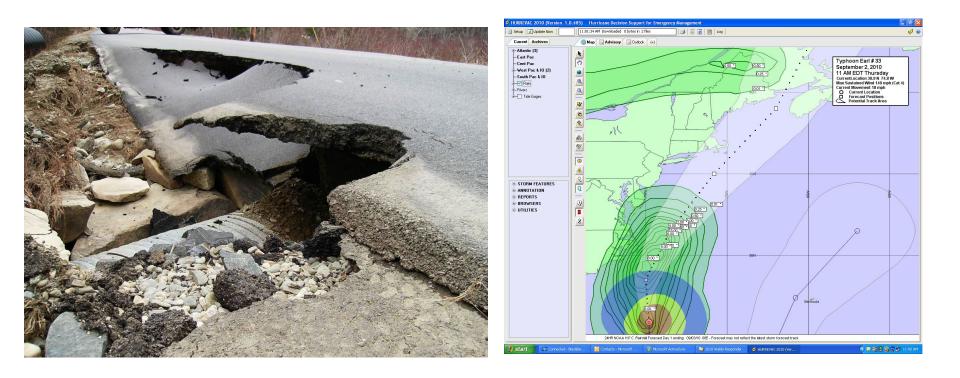
## Workshop in Emergency Management Damage Assessment & Reporting



### **Comprehending Disaster Response**

- What is damage assessment?
- When to complete assessments
- Who completes the assessment?
- Damage Assessment Items
- Documentation The Form 7
- Reporting the Assessment
- What's Next?

- What is Damage Assessment?
  - The process used to appraise or determine the number of injuries and deaths, damage to property, and the status of key facilities and infrastructure.
  - The facility and infrastructure damages are usually measured in repair costs.



- Why collect the info and report?
  - Need to know what's wrong before you can fix it.
  - Need to have a full picture before you can prioritize your response.
  - If you want help from the State, you need to report what is wrong.
  - We need as many damage reports as we can in order to apply for a FEMA disaster declaration.

- When to complete the Damage Assessment
  - Whenever your municipality experiences damages from an emergency or disaster
    - Example: Road washouts from a severe rainstorm
  - Whenever the State or County EMA offices request assessments.
  - Don't wait for the State or County be proactive!
  - Start documenting during the storm as early as you can (taking safety into account).

- Who completes
  - Depending on the Municipal capabilities
    - Local Emergency Management Director
    - Road Commissioner/Public Works Director
    - Town/City Manager/Administrator
    - Elected Officials
    - Emergency Management or Civil Defense Team
  - Recommend making it a team effort involving all the people mentioned above
    - Split the work up and compile the results together

- Damage Assessment items
  - Digital Camera/Phone
  - Paper, pencils, pens, and highlighter
  - Clipboard and blank MEMA Form 7s
  - Calculator
  - EMA Class 2 Hi-Vis Traffic Safety Vest
  - GPS app on a smart phone
  - Existing municipal road contracts
  - Lists of local costs for road materials

- Damage Assessment process
  - Take digital pictures you can't take too many!
  - Estimate the amount of materials needed
    - Sub-base & base gravel, culverts, geotextile, asphalt
  - Record position (Lat/Long or Street Address)
  - Take notes for each damage location
  - Take some more pictures! From every angle.
  - Send emails on damages to County EMA.
  - Upload to D4H Incident Management

- MEMA Preliminary Damage Assessment Forms for PA and IA
  - Used to record all public and individual damages
  - Must be completed and reported quickly
  - Only an estimate not detailed or precise
  - Total cost of Public Damages may drive a Gubernatorial state of emergency order, which could then drive a FEMA Preliminary Damage Assessment (PDA)

- The MEMA Preliminary Damage Assessment Forms – Public Assistance & Individual Assistance
  - The Individual Assistance form will assist the State and Federal governments with determining if State and Federal assistance to private citizens will be provided and in what form.
  - During Ice Storm '98, individual assistance was provided in food vouchers, heating assistance, and repairs to homes.

- Page 1
- Summary Page
- Contact Information
- Total \$ per Category

PA	Maine Emergency Management Agency	Revised 22 November 2022
	PUBLIC ASSISTANCE	Form Instructions
AGENCY	PRELIMINARY DAMAGE ASSESSMENT	Check for newest version
STATE OF MAINE		FEMA PAPPG Document

CENERAL INFORMATION

	OLIVE		
□Ori	ginal 🔲 Revision #		
Туре	of Disaster and/or event name:	Date(s) of Occurrence:	
Coun Selec	<b>ty:</b> ct a County/Agency	ty, district, etc.):	
Addre	ions Affected (Coordinates, esses, etc.) Find map locations w google.com/maps/place/Maine	Lations" button to access Google Maps. right click locatio a semicolon :	n and copy coordinates, then paste in this box.
	POINT	OF CONTACT	
Name	:	Title:	
Email	:	Desk phone:	
		Cell phone:	
	DAMAGES TO PUB	LIC INFRASTRUCTURE	
Α	<b>DEBRIS REMOVAL</b> (trees, building wrecka gravel, vehicles, and other disaster-related	\$	
в	EMERGENCY PROTECTIVE MEASURES signs, extra police and fire, and emergency	\$	
С	<b>ROADS AND BRIDGES</b> (roads, culverts, br facilities)	\$	
D	WATER CONTROL FACILITIES (dams, devices, pumping and irrigation facilities, dra	\$	
Е	BUILDINGS AND EQUIPMENT (buildings, vehicles, and equipment)	supplies, inventory,	\$
F	<b>UTILITIES</b> (water treatment plants and deliving eneration and distribution facilities, seweray treatment plants)	\$	
G	PARKS, RECREATIONAL, AND OTHER ( swimming pools, bath houses, tennis courts picnic tables, cemeteries, and golf courses)	\$	
departi	ATE NONPROFITS (education, medical, custod nents, search and rescue, and ambulances], utility unity centers, libraries, homeless shelters, senior c es.])	, and other [museums,	\$
	PUBLIC	DAMAGES GRAND TOTAL	\$ 0.00
	x, or email this information to your COUNTY E agencies submit to MEMA)	MERGENCY MANAGEMENT AG	ENCY as soon as possible www.maine.gov/mema

- Page 2
- Description of each Project Location

Locations Affected (Coordinates, Addresses etc.) Find map locations' button to access Google Maps. right click location and copy coordinates, then paste in this box. Separate entries with a semicolon ;								
Addresses, etc.) Find map locations Separate entries with a semicolon; https://www.google.com/maps/clace/Maine								
ITEMIZED DAMAGES*								
Location Number	Туре	Images	Responsible Agency	Comments				
1. Category: CH	OOSE CATEGOR							
		+ + +						
2. Category: CH	OOSE CATEGOR			1				
		+ + +						
3. Category: CH	OOSE CATEGOR							
		+ + +						
4.Category: CH	OOSE CATEGOR			1				
		+ + +						
5. Category: CH	OOSE CATEGOR			1				
		+ + +						
6. Category: CH	OOSE CATEGOR	RY						
		+ + +						
7. Category: CH	OOSE CATEGOR	λ Υ						
		+ + +						
8. Category: CH	OOSE CATEGOR							
		+ + +						
9. Category: CH	OOSE CATEGOR							
		+ + +						
10. Category: CH	OOSE CATEGOR			1				
		+ + +						
11. Category: CH	OOSE CATEGOR			1				
		+ + +						
12. Category: CH	OOSE CATEGOR							
		+ + +						
13. Category: CH	OOSE CATEGOR							
		+ + +						
14. Category: CH	OOSE CATEGOR							
		+ + +						
15. Category: CHO	DOSE CATEGOR	Y		-				
		+ + +						

- Page 3
- Continuation of the Description of each Project Location
- Description for each column

16. Category: CHOOSE CA	TEGORY	
17. Category: CHOOSE CA	TEGORY	
18. Category: CHOOSE CA	TEGORY	
19. Category: CHOOSE CA	TEGORY	
20. Category: CHOOSE CA	TEGORY	
21. Category: CHOOSE CA	TEGORY	
22. Category: CHOOSE CA	TEGORY	
23. Category: CHOOSE CA	TEGORY	
24. Category: CHOOSE CA	TEGORY	
Thora is no guarantee that EEM	A will perform on on oil	 ow requires coordinate location data, damage imagen, and

\*There is no guarantee that FEMA will perform an on-site assessment, FEMA now requires coordinate location data, damage imagery, and other category-specific documentation listed in the tables above. Column descriptions:

Location: add the location (or location number based on the order of coordinates/addresses reported)

Type: Type of damage/emergency response. Common examples by category include but are not limited to:

[A] Debris removal: Vegetation/trees; construction debris; soil, mud, sand, vehicles/vessels, hazardous waste, putrescent

[B] Emergency Protective Measures: Sandbagging; Barricades; Signage; extra police/fire, emergency health measures

[C] Roads and Bridges: Road, culvert, bridge, associated facilities

[D] Water Control Facilities: Dams, reservoirs, shore protection, pumping/irrigation, drainage channels, levees

[E] Buildings and Equipment: Buildings, supplies, inventory, vehicles, equipment

[F] Utilities: Facilities and systems for: water treatment/delivery, power generation/distribution, gas distribution, sewerage collection/treatment [G] Parks and Recreation: Playground equipment, sports fields, boat docks, picnic tables, cemeteries, swimming pools Private Nonprofit Education, medical, emergency, custodial care, utilities, other community services

Images: If using a fillable PDF, use the "+" button to add damage images. If filling out a hard copy, be sure to send images to your County EMA Director and refer to the appropriate itemized damage list number

Responsible Agency: Note the agency responsible for work and contact info

Comments: Examples of comments that will assist the assessment process:

[A] Debris Removal: Note the estimated amount (in cu yd), whether work is approved by DEP (yes/no), disposal location/address or specify "on site"

[B] Emergency Protective Measures: Note the amount of time and materials used

[C] Roads and Bridges: Note whether work is permitted by DEP (yes/no), materials and amounts used

[D] Water Control Facilities: Note whether work is permitted by DEP (yes/no), materials and amounts used

[E] Buildings and Equipment: Note whether work is permitted by DEP (yes/no), materials and amounts used

[F] Utilities: Note whether work is permitted by DEP (yes/no), materials and amounts used

[G] Parks and Recreation: Note whether work is permitted by DEP (yes/no), materials and amounts used

Private Nonprofits: Note whether work is permitted by DEP (yes/no), materials and amounts used

Thank you for submitting this Public Infrastructure Damage Assessment Form. Your participation is crucial for compiling a comprehensive State Disaster Declaration Request. Please note that FEMA now requires coordinate location data, damage imagery, and other damage and response documentation listed in the tables above as there is no guarantee that FEMA will perform an on-site assessment. There is also no guarantee that FEMA will accept claims with missing documentation or that a State Disaster Declaration Request will be approved. Please retain all receipts in the event of an approved Disaster Declaration.

- Page 4
- Space for adding more information

DAMAG	SE COMMENTS
Jurisdiction:	Date: 03/27/2023
Details for public damages and injuries reported on Pa	iges 1-3
OTHER COL	MMUNITY IMPACTS
E.g., impacts to employment, tourist destinations, cultu	
E.g., impacts to employment, tourist destinations, curt	ural institutions, vulnerable populations, other.
Call, fax, or email this information to your COUNTY	EMERGENCY MANAGEMENT AGENCY as soon as possib
State agencies submit to MEMA)	www.maine.gov/mem

Submit via e-Mail

Look up County EMAs

- Page 1
- Contact Information
- Type of Incident
- Location of Damage
- Property Specifics



#### Maine Emergency Management Agency INDIVIDUAL ASSISTANCE PRELIMINARY DAMAGE ASSESSMENT

Revised 29 September 2022

Check for newest version

Use this Individua	Assistance survey	to document dai	mages to personal	property caused b	v natural hazar	ds.

GENERAL IN						
Name:			Date and time of Report: March 27, 2023			
Phone number:				(s) of occurrence:		
Email:			Title			
Is any member of the house federally recognized tribe? Tribal Entity:			Aret	here any <i>immediat</i> e r	ieeo	ls? If so, describe:
		INCIDENT TYPE	PRIM		_	
Flood		Severe Storm		Earthquake		Terrorism
Straight-line winds		Hurricane/tropical storm		Explosion		Tidal Wave
Winter Storm		Fire		Landslide		Tornado
Snowstorm		Drought		Mudslide		Tsunami
		LOCATION IN				
Street address/coordinates:			Description of location:			
Town/City:			County:			
E\		UATION FOR INDIV	IDUAL	ASSISTANCE PDA		
Choose type of dwelling:				hese primary residen	ces	(occupied at least
O Single Family			6 months per year)?			
O Multi-Family						
O Manufactured Home		d on dwalling two				
Report damages on page 2 b Is there insurance for this p	asec	2 on aweiling type.	Don	orted by owner or ren	tor?	
O Yes, insurance covera				) Owner, confirmed		
No. lack of insurance of the lack of				Renter, confirmed		
O Unknown			O Unknown			
Are the utilities functional?			Does this assessment need review by a PDA			
			Coordinator for Level of Damage?			
Additional Comments:						

- Page 2
- Description of the types of "Levels" of property damages for Single Family Homes

SINGLE	FAMILY - LEV	EL OF DAMAGE A	SSESSED	
Level of damage assessed:				
O Affected O Minor	O Major	O Destroyed	O Inaccessible	O Unaffected
For "Affected" Level of Damage,	select the most	t relevant descript	tion:	
Minimal missing shingles or siding.				
Cosmetic damage, such as paint di				
Damage to an attached structure (e				al use), gutters,
screens, landscaping, retaining walls,				
Waterline in the crawl space or an u are not damaged or submerged.	inimished baseme	ent when essential liv	ang spaces or mecha	inical components
For "Minor" Level of Damage, sel	ect the most re	levant description	<b>a</b> '	
Nonstructural damage to roof comp				ering, fascia board,
soffit, flashing, and skylight).				
Nonstructural damage to the interio		s, to include drywall a	and insulation.	
Multiple small vertical cracks in the				
Damage to chimney (i.e., tilting, fall				
Damage to mechanical components			VAC, etc.).	
Waterline at 1 to 3 inches in an ess				
When waterline exceeds 3 inches b				
following factors: duration of the flood, of essential living spaces flooded.	contaminants in	the water, it waterline	e reached electrical o	utiets, and number
Damage or disaster-related contam	ination to a privat	o well or contic sveto	m	
Nonstructural damage to exterior co		e well of septic syste	111.	
Waterline in a finished basement	importenta.			
For "Major" Level of Damage, sel	ect the most re	levant description	<b>.</b>	
Failure or partial failure to structural				rafters ceiling
joists, ridge boards, etc.			ing option to include	raitore, coming
Failure or partial failure to structural	elements of the	walls, to include frami	ing, etc.	
Failure or partial failure to foundation				ks of more than 2
inches, and shifting of the residence o	n the foundation of	of more than 6 inches	5.	
Waterline above 18 inches or the el	ectrical outlets in	an essential living sp	ace.	
Waterline on the first floor (regardle				
When waterline exceeds 3 inches b				
following factors: duration of the flood,	contaminants in	the water, if waterline	e reached outlets, and	d number of
essential living spaces flooded.				
For "Destroyed" Level of Damage				6
Complete failure of two or more ma	for structural com	ponents (e.g., collaps	se of basement walls	, toundation, walls,
Only foundation remains				
The residence has a confirmed imm	ninent danger (e c	impending landslid	les mudelides orsin	kholes)
Waterline at the roofline or higher.	intent danger (e.g	i., imperiaing landsia		ki 10103).
For "Inaccessible," select the mo	st relevant des	cription:		
Impassable Road	St relevant des	onption.		
Destroyed Private Bridge				
Please send photos of th	e damage to v	our County Emerg	ency Managemen	t Agency.
County EMA contact information:				
		A will perform an o		
Thank you for submitting this Public Ir	frastructure Dama	ie Assessment Form. V	our particination is crue	cial for compiling a
comprehensive State Disaster Declaration I				
and other damage and response document	ation listed in the ta	bles above as there is r	no guarantee that FEM,	A will perform an on-site
assessment. There is also no guarant				
Declaration Request will be appro	vea. Please retain a	all receipts in the event	or an approved Disaste	r Declaration.

- Page 3
- Description of the types of "Levels" of property damages for Multi-Family Homes

	MULTI	-FAMILY - LEV	EL OF DAMAGE	ASSESSED	
Level of Da	amage assessed, cour	nt the number o		ach Level of Damage	e reported:
O Affected	# dwellings:	O Major	# dwellings:	O Inaccessible	# dwellings:
🔘 Minor	# dwellings:	O Destroyed	# dwellings:	O Unaffected	# dwellings:
or "Affect	ed" Level of Damage,	select the mos	t relevant descri	ption:	
] Minimal r	missing shingles or siding.	e			
	c damage, such as paint d				
	to an attached structure (				use), gutters,
	ndscaping, retaining walls				
	e in the crawl space or an	unfinished basem	ent when essential	living spaces or mechar	nical components
are not dam	naged or submerged. " Level of Damage, se	last the meat r	alouant descripti	o.m.	
	tural damage to roof com				ring fascia board
	ng, and skylight).	porients over esse	initial living spaces (	e.g., shingles, tool cove	nny, iasola board,
	tural damage to the interio	or wall component	s to include drywal	I and insulation	
	small vertical cracks in the		ie, te merade di j nai		
The second second second second second	to chimney (i.e., tilting, fal		eparating from the i	residence)	
	to mechanical component				
	e at 1 to 3 inches in an ess				
	aterline exceeds 3 inches			be maior or minor, depe	ndina on the
	ctors: duration of the flood				
of essential	living spaces flooded.				
Damage	or disaster-related contar	nination to a priva	te well or septic sys	item.	
	tural damage to exterior c	components.			
	e in a finished basement				
	" Level of Damage, se				
	r partial failure to structura	al elements of the	roof over essential	living spaces to include	rafters, ceiling
	boards, etc.				
	r partial failure to structura				
	r partial failure to foundation				s of more than 2
	shifting of the residence of above 18 inches or the e				
	e on the first floor (regardle				ĩ
	aterline exceeds 3 inches				
	ctors: duration of the floor				
	ing spaces flooded.	a, contarninants in	the water, if watern	ne redoned outlets, and	number of
	oyed" Level of Damag	e. select the m	ost relevant desc	cription:	
	e failure of two or more ma				foundation, walls,
or roof).		,			1
Only four	ndation remains				
The resid	lence has a confirmed im	minent danger (e.	g., impending landsl	lides, mudslides, or sink	holes).
	e at the roofline or higher.				
or "Inacce	essible," select the mo	ost relevant des	scription:		
Impassat	ole Road				
	d Private Bridge				
Ple	ease send photos of t	he damage to y	our County Eme	rgency Management	Agency.
County EM	A contact information				
	There is no guar	antee that FEM	A will perform ar	n on-site assessmen	t.
	ou for submitting this Public I e State Disaster Declaration				
	age and response documen				
assessm	ent. There is also no guaran	tee that FEMA will a	accept claims with mis	sing documentation or tha	t a State Disaster
Deci	laration Request will be appr	roved. Please retain	all receipts in the eve	nt of an approved Disaster	Declaration.

- Page 4
- Description of the types of "Levels" of property damages for Manufactured Family Homes

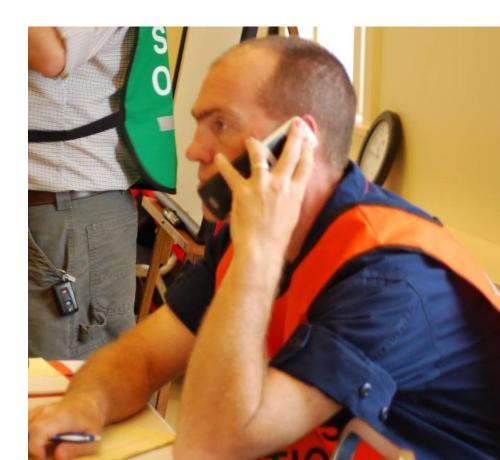
MANUFAC	TURED HOME	- LEVEL OF DAMA	GE ASSESSED					
Level of damage assessed:								
O Affected O Minor	Major	O Destroyed	Inaccessible	O Unaffected				
For "Affected" Level of Damage	For "Affected" Level of Damage, select the most relevant description:							
No damage affecting habitability;	cosmetic damage	e only (e.g., skirting is ir	npacted).					
Residences with damage to a por	ch, carport, garag	ge, and/or an outbuildin	g not for commercial	use, etc.				
For "Minor" Level of Damage, s	elect the most	relevant description	n:	-				
There is no structural damage to	the residence, an	d it has not been displa	ced from the foundat	ion.				
When the waterline has reached	the floor system b	out has not entered the	living space of the ur	nit. Examples of				
damage include the following:								
*Bottom board, insulation, or duc								
*Heating, ventilating, and air con-	ditioning (HVAC)	is impacted.						
HVAC is impacted.								
Some of the nonstructural compo		ined damage (e.g., win	dows, doors, wall cov	erings, roof, bottom				
board insulation, ductwork, and/or u								
For "Major" Level of Damage, s		C DESCRIPTION CONTRACTOR OF DESERT CONTREPORT						
Water has covered the floor syste		0						
The residence has been displace	d from the founda	ition, block, or piers, an	d other structural cor	nponents have				
been damaged.	r	Zanas and Endets allow the						
Fifty percent or more of non-struc	tural components	(e.g., root sningles, ar	ywall, and utility nook	tups) nave				
sustained significant damage. For "Destroyed" Level of Dama	an anlant the r	naat ralavant daaari	ntion					
The residence's frame is bent, tw			ption.					
			unional attention the	interior				
The majority of the structural fram	ling of the roof of	walls has been compro	mised, exposing the	interior.				
The residence is a total loss								
For "Inaccessible," select the m	lost relevant de	escription:						
Impassable Road								
Destroyed Private Bridge		<b>A</b> . <b>F</b>						
Please send photos of								
County EMA contact information: www.maine.gov/mema/ema-community/county-local/county-emergency-management-agencies								
There is no guarantee that FEMA will perform an on-site assessment.								
Thank you for submitting this Public	Infrastructure Dan	ana Aaaaamant Form	Cour participation is orug	ial for compiling a				
comprehensive State Disaster Declaratio								
and other damage and response docume								
assessment. There is also no guara								
Declaration Request will be app	proved. Please reta	in all receipts in the event	of an approved Disaste	er Declaration.				

-----

- Damage Assessment Forms
  - Both forms will be completed at the municipal level
  - Town residents should report their individual damages to the Town Office or EOC
  - Town officials will collect public damages



- Reporting the Assessment
  - Forms must be sent to the County EMA
  - The forms can be:
    - Faxed
    - E-Mailed
    - Posted to D4H IM
    - Hand delivered
    - Telephoned in
    - Radio-called in



- Reporting the Assessment
  - You will need your supporting data, so hang on to it! In the 2013 Ice Storm, FEMA didn't acknowledge our initial damage estimates.
  - Supporting data may include photographs, video, material take offs, surveys, engineered drawings, detailed cost calculations, receipts, invoices, check stubs, etc.
  - The Damage Assessment forms are used by the State of Maine; FEMA does not use this form

- What next?
  - The County EMAs will forward the Forms to the State EMA office.
  - If the damages reach a certain cost threshold, the Governor will declare a State of Emergency and request a Presidential Declaration
  - FEMA may send out officials to verify the level of damage
  - If the costs thresholds are still met, FEMA may request the President make a Declaration

- What next?
  - Then FEMA officials may show up for Project Development or perform online





Repairs Complete! Money comes much later.

