

Damage Inventory

Disaster Number:		4827DR			Program Delivery Manager (PDMG) Name:			ATHOURIS-MILLER, HERMINE M	
Applicant Name:		Montreat, Town of (021-92114-00)			Program Delivery Manager (PDMG) Phone:			(202) 701-5498	
Applicant FIPS:		021-92114-00			Program Delivery Manager (PDMG) Email:			hermine.athouris-miller@fema.	
Applicant Point of Contact Name:		Parrish, Savannah							
Applicant Point of Contact Phone:		(808) 669-8002							
Applicant Point of Contact Email:		sparrish@townofmontreat.org							
Category	Name of damage/facility	Address 1	City	State	Zip	Latitude	Longitude	Describe Damage	
	A	Debris Removal	Town-wide	Montreat	NC	28757			Townwide storm debris. Town utilized contractor to assist with debris pickup and delivery to debris field. FEMA responsible for clearing debris field using their own contractor. Permit acquired.
B	Lower Greybeard Waterline and Insert Valves	533 Greybeard Trail	Montreat	NC	28757	35.65283	-82.29770	Storm debris resulted in damages to approximately 415 linear feet of waterline. Town replaced 8" ductile, insert valve, as well as two (2) 8" valves and one (1) 6" at the creek crossing. Town of Blowing Rock provided insert valve through a mutual aid agreement.	
B	Frist Road Waterline	First Road	Montreat	NC	28757	35.64273	-82.31630	Restoration and repair of customer services to allow Town to make roadway repairs caused by creek overflow during storm.	

Damage Inventory

B	Public Works / MRA Waterline	96C Rainbow Terrace	Black Mountain	NC	28711	35.63039	-82.31038	Replacement of water main completed as a result of extensive flood waters from storm feeding across creek. Water main was washed out/away during flooding event.
B	Well #1 Supply Main and Calvin Trail Main		Montreat	NC	28757	35.65625	-82.29760	Replacement of 4" supply main at Well #1 and 4" main at Calvin Trail as a result of storm damage and debris.
B	Well #2 and Well #3 Pump Repairs	398 Rainbow Terr	Montreat	NC	28757	35.63775	-82.31164	Town lost communication line that fed five (5) well pumps as a result of storm damage and debris. Electrician temporarily repaired to allow town to operate manually which required a hard wire of portable generator into panels until a permanent solution can be made.
B	Wells A02, A03, and A04	Greybeard Trail	Montreat	NC	28757	35.39430	-82.17380	Town lost communication line that fed five (5) well pumps as a result of storm damage and debris. Electrician temporarily repaired to allow town to operate manually which required a hard wire of portable generator into panels until a permanent solution can be made.
B	Water Testing / Line Location / Leak Detection	Multiple Locations	Montreat	NC	28757	35.65283	-82.29770	Technical support to provide water testing, line location, leak detection, and water sampling as required by State following the storm to bring system past boil advisory. Line locator and leak detection services performed so that Town could pressurize system and begin to fill water tanks.

Damage Inventory

B	Town Hall Parking Lot	1200 Montreat Road	Montreat	NC	28757	35.63746	-82.31254	Storm resulted in washout to parking lot causing a sinkhole. Town completed temporary repairs to include gravel and grading work.
B	Town Hall Mold Remediation	1200 Montreat Road	Montreat	NC	28757	35.63746	-82.31254	Flooding at Town Hall required removal of dry wall and flooring for mold remediation and repair. Insurance claims filed.
B	Force Account Labor	1200 Montreat Road	Montreat	NC	28757	35.63746	-82.31254	Overtime labor hours for police department and public works in response to TS Helene.
B	Force Account Equipment	1200 Montreat Road	Montreat	NC	28757	35.63746	-82.31254	Equipment usage in response to TS Helene
B	Rented Equipment	1200 Montreat Road	Montreat	NC	28757	35.63746	-82.31254	Heavy equipment rental needed to complete emergency repairs throughout town as a result of storm damage and debris.
C	Community Center Bridge	300 Community Center	Montreat	NC	28757	35.64611	-82.30000	Bridge damaged as a result of storm washout at wing walls. Temporary repairs completed by town to reopen bridge. Permanent bank stabilization solutions and guardrail repair needed.
C	Assembly Circle Bridge	416 Assembly Cir	Montreat	NC	28757	35.64861	-82.29781	Bridge damaged as a result of storm washout at wing walls. Temporary repairs completed by town to reopen bridge. Permanent bank stabilization solutions and guardrail repair needed.
C	Lookout Road Bridge	301 Lookout Road	Montreat	NC	28757	35.64667	-82.29972	Bridge damaged as a result of storm washout at wing walls. Temporary repairs completed by town to reopen bridge. Permanent bank stabilization solutions and guardrail repair needed.
C	Shenandoah Terrace Guardrail	Shenandoah Terrace	Montreat	NC	28757	35.63967	-82.30914	Guardrail damaged due to storm washout and debris. Town needs to repair wing walls and widen roadway.

Damage Inventory

C	Lookout Road at Assembly Drive Guardrail	Lookout Road at Assembly Drive	Montreat	NC	28757	35.64668	-82.29984	Guardrail damaged due to storm washout and debris. Town needs to repair wing walls and widen roadway.
C	Arbor Lane Pedestrian Bridge	498 Greybeard Trail	Montreat	NC	28757	35.65111	-82.29694	Pedestrian bridge damaged as a result of storm washout at wing walls. Temporary repairs completed by town to reopen bridge. Permanent bank stabilization solutions and guardrail repair needed.
C	Texas Road Pedestrian Bridge	317 Texas Road	Montreat	NC	28757	35.64406	-82.30264	Pedestrian bridge destroyed as a result of extensive storm damage. No longer passable and closed off due to safety concerns until permanent solution is completed.
C	Upper Lookout Road Culvert 1	348 Lookout Road	Montreat	NC	28757	35.64333	-82.29333	Mudslide occurred above culvert (6'x30' galvanized) which fed debris into culvert and caused significant damage. Temporary repairs have been made, but permanent rehabilitation/repairs are needed.
C	Lookout Road Culvert 2		Montreat	NC	28757	35.64309	-82.29097	Extensive flooding and stormwater caused the collapse of one (1) 6' x 20' galvanized culvert on lower end and roadway.
C	Texas Road Ext. Culvert	Texas Road Extension	Montreat	NC	28757	35.64333	-82.30417	Complete loss of two (2) 8' x 60' galvanized culverts due to storm damage and debris. Town has made temporary repairs to create one passable lane for residents. Permanent repairs required.

Damage Inventory

C	Chapman Road Culvert	312 Chapman Road	Montreat	NC	28757	35.64361	-82.29472	Mudslide occurred above two (2) 24" x 30' galvanized culverts which fed debris into culverts and caused significant damage. Temporary repairs have been made, but permanent rehabilitation/repairs are needed. Pavement replacement also needed.
C	Providence Terrace Culvert	534 Kentucky Road	Montreat	NC	28757	35.65333	-82.29444	Storm caused washout and debris damage to one (1) 36" x 30" plastic culvert. Permanent repairs have been completed.
C	Louisiana Road at Assembly Drive Culvert	200 Assembly Road	Montreat	NC	28757	35.64278	-82.30639	Storm debris and damages caused 6' x 20' galvanized culvert to collapse. No temporary or permanent work has been completed yet.
C	Yale Road Culvert	341 Yale Road	Montreat	NC	28757	35.64361	-82.29528	Mudslide occurred above one (1) 6' x 20' galvanized culvert which fed debris into culvert and caused significant damage. Temporary repairs have been made, but permanent rehabilitation/repairs are needed. Pavement replacement also needed.
C	Greybeard Culvert	609 Upward Way	Montreat	NC	28757	35.66000	-82.29556	One (1) 4' x 20' galvanized culvert which serves as an access point to water system was completely overcome and closed off as a result of storm and rock debris due to slide. Temporary repairs made, but permanent repairs required.
C	Virginia Road Culvert 1		Montreat	NC	28757	35.38470	-82.18180	Culvert failing due to extensive storm damage and flooding.
C	Virginia Road Culvert 2		Montreat	NC	28757	35.38380	-82.18350	Culvert failing due to extensive storm damage and flooding.

Damage Inventory

C	Texas Road Ext. Mudslide	100 Texas Road Extn	Montreat	NC	28757	35.64306	-82.30417	Shoulder and road damages caused by washout due to extensive flooding and rock/mud slides caused by storm.
C	South Carolina Terrace Streambank Failure	515 South Carolina Terrace	Montreat	NC	28757	23.79551	-110.29024	Shoulder and road damages caused by washout due to extensive flooding and rock/mud slides caused by storm.
C	North Carolina Terrace Mudslide	229 North Carolina Terrace	Montreat	NC	28757	35.64667	-82.30528	Shoulder and road damages caused by washout due to extensive flooding and rock/mud slides caused by storm.
C	Greybeard Road Mudslide	507 Greybeard Trail	Montreat	NC	28757	35.65194	-82.29722	Shoulder and road damages caused by washout due to extensive flooding and rock/mud slides caused by storm.
C	Lookout Road Mudslide	348 Lookout Road	Montreat	NC	28757	35.64333	-82.29333	Shoulder and road damages caused by washout due to extensive flooding and rock/mud slides caused by storm.
C	Chapman Road #1	342 Chapman Road	Montreat	NC	28757	35.64333	-82.29556	Shoulder and road damages caused by washout due to extensive flooding and rock/mud slides caused by storm.
C	Chapman Road #2	399 Chapman Road	Montreat	NC	28757	35.64306	-82.29861	Shoulder and road damages caused by washout due to extensive flooding and rock/mud slides caused by storm.

Damage Inventory

E	Police Vehicles	1200 Montreat Road	Montreat	NC	28757	35.63746	-82.31254	Town suffered the total loss of two (2) police vehicles as a result of storm debris and flooding. One (1) 2013 Ford Police Interceptor/Explorer (VIN 1FM5K8AR3DGA80723) was covered by insurance with the exception of \$250 deductible and one (1) 2014 Ford Police Interceptor/Explorer (VIN 1FM5K8AR8EGA55172) not covered by insurance proceeds.
E	Town Hall (Facility Contents)	1200 Montreat Road	Montreat	NC	28757	35.63746	-82.31254	Flooding at Town Hall resulted in the loss of facility contents. Town to provide insurance with inventory list of losses and file claim.
E	Public Works Building	96C Rainbow Terrace	Black Mountain	NC	28711	35.63039	-82.31038	Extensive rainfall during storm resulted in flooding in the stream behind shop and flooding by Flatcreek.
F	Stormwater System	Multiple Locations	Montreat	NC	28757	35.63746	-82.31254	Extensive flooding and collection of storm debris (silt and rock) resulted in significant damage to the town's stormwater systems at Assembly Circle, First Road, and Town Hall. Systems need to be vacuumed out by a vacuum truck to prevent total loss and removal.
F	Town Hall (Storm Basin)	1200 Montreat Road	Montreat	NC	28757	35.63746	-82.31253	Extensive flooding at Town Hall caused by storm resulted in the storm basin being filled with silt and stone.
G	Welch Field Debris Site		Montreat	NC	28757	35.64406	-82.30300	Field used by Town for all right-of-way debris collection. Need to restore ballfield to pre-disaster conditions.
C	Frist Road	101 Frist Road	Montreat	NC	28757	35.64361	-82.31667	Pavement damaged due to extensive flooding and storm debris.

Damage Inventory

C	Salem Drive	Salem Drive	Montreat	NC	28757	35.65333	-82.29472	Pavement damaged due to extensive flooding and storm debris.
C	Calvin Trail	541 Calvin Trail	Montreat	NC	28757	35.65472	-82.29750	Pavement damaged due to extensive flooding and storm debris.
C	Greybeard Trail	533 Greybeard Trail	Montreat	NC	28757	35.65283	-82.29770	Pavement damaged due to extensive flooding and storm debris.
C	Tennessee Road	215 Tennessee Road	Montreat	NC	28757	35.64444	-82.30444	Pavement damaged due to extensive flooding and storm debris.
C	Louisiana Road	207 Louisiana Road	Montreat	NC	28757	35.64389	-82.30722	Pavement damaged due to extensive flooding and storm debris.
C	Lookout Road at Assembly Drive	301 Lookout Road	Montreat	NC	28757	35.64667	-82.29972	Pavement damaged due to extensive flooding and storm debris.
C	Assembly Circle at Assembly Drive	416 Assembly Cir	Montreat	NC	28757	35.64861	-82.29806	Pavement damaged due to extensive flooding and storm debris.
C	Community Circle at Assembly Drive	349 Assembly Cir	Montreat	NC	28757	35.64667	-82.30000	Pavement damaged due to extensive flooding and storm debris.
C	Shenandoah at Assembly Drive	186 Shenandoah Terr	Montreat	NC	28757	35.64111	-82.30861	Pavement damaged due to extensive flooding and storm debris.
G	Paved Path Greenspace Trail	321 Assembly Drive	Montreat	NC	28757	35.64611	-82.30056	Pavement damaged due to extensive flooding and storm debris.
C	Mississippi Road	131 Mississippi Road	Montreat	NC	28757	35.64194	-82.31444	Pavement damaged due to extensive flooding and storm debris.
C	Mississippi Bridge at Louisiana	198 Mississippi Road	Montreat	NC	28757	35.99820	24.99840	Pavement damaged due to extensive flooding and storm debris.
C	Kentucky Road	Kentucky Road	Montreat	NC	28757	35.64911	-82.29646	Pavement damaged due to extensive flooding and storm debris.
C	Chapman Road	312 Chapman Road	Montreat	NC	28757	36.99900	40.99860	Pavement damaged due to extensive flooding and storm debris.
C	Yale Road	341 Yale Road	Montreat	NC	28757	35.64361	-82.29528	Pavement damaged due to extensive flooding and storm debris.
C	Lookout Road	322 Lookout Road	Montreat	NC	28757	35.64528	-82.29667	Pavement damaged due to extensive flooding and storm debris.

Damage Inventory

C	Appalachian Way	402 Appalachian Way	Montreat	NC	28757	35.64778	-82.29333	Pavement damaged due to extensive flooding and storm debris.
C	Texas Road Extn	199 Texas Road Extn	Montreat	NC	28757	35.64278	-82.30528	Pavement damaged due to extensive flooding and storm debris.
C	Stamped Crosswalk - Lookout at Assembly	301 Lookout Road	Montreat	NC	28757	35.64667	-82.29972	Pavement damaged due to extensive flooding and storm debris.
C	Texas Road	351 Texas Road	Montreat	NC	28757	35.64278	-82.29972	Pavement damaged due to extensive flooding and storm debris.
C	Lower Greybeard Trail		Montreat	NC	28757			Streambank failure. Restoration needed.
C	Assembly Drive at Dam		Montreat	NC	28757			Streambank failure and road shoulder repair needed.
C	Calvin Trail Culverts	549 Calvin Trail	Montreat	NC	28757	35.65454	-82.29731	Culverts washed away during the storm due to extensive flooding and storm debris.

Labor Key: MAA - Mutual Aid Agreement; MOU - Memorandum of Understanding; FA - Force Account; C - Contract; FA/C - Both FA and C; DR - Donated Resources

Damage Inventory

.					
dhs.gov					
Primary Cause of Damage	Approx. Cost	% Work Complete	Labor Type	Has received PA grant(s) on this facility in a past?	Applicant priority
Tropical Storm		100%	C	N	Medium
Tropical Storm	\$72,057	100%	C	N	Low
Tropical Storm	\$566	100%	FA	N	Low

Damage Inventory

Tropical Storm	\$18,333	100%	FA	N	Medium
Tropical Storm	\$8,308	100%	FA	N	Low
Tropical Storm	\$1,460	100%	C	N	Low
Tropical Storm	\$1,460	100%	C	N	Low
Tropical Storm	\$4,255	100%	FA/C	N	Medium

Damage Inventory

Tropical Storm	\$44,904	50%	C	N	High
Tropical Storm		100%	C	N	Low
Tropical Storm		100%	FA	N	Medium
Tropical Storm		100%	FA	N	Medium
Tropical Storm	\$36,333	50%	C	N	High
Tropical Storm	\$13,023	50%	C	N	High
Tropical Storm	\$56,464	50%	C	N	High
Tropical Storm	\$51,024	25%	C	N	High
Tropical Storm	\$23,746	0%	FA	N	High

Damage Inventory

Tropical Storm	\$809	0%	FA	N	High
Tropical Storm	\$284,375	0%	C	N	High
Tropical Storm	\$395,625	0%	C	N	High
Tropical Storm	\$25,315	0%	FA	N	High
Tropical Storm	\$22,815	0%	FA	N	High
Tropical Storm	\$580,575	0%	C	N	High

Damage Inventory

Tropical Storm	\$25,115	0%	FA	N	High
Tropical Storm	\$6,003	100%	C	N	High
Tropical Storm	\$21,815	0%	FA	N	High
Tropical Storm	\$25,315	0%	FA	N	High
Tropical Storm	\$20,115	50%	FA	N	High
Tropical Storm				N	High
Tropical Storm				N	High

Damage Inventory

Tropical Storm	\$7,332	100%	C	N	Medium
Tropical Storm	\$890,263	0%	C	N	High
Tropical Storm	\$1,394,688	0%	C	N	High
Tropical Storm	\$1,908,388	0%	C	N	High
Tropical Storm	\$284,688	0%	C	N	High
Tropical Storm	\$1,261,700	0%	C	N	High
Tropical Storm	\$2,000	0%	FA	N	High

Damage Inventory

Tropical Storm		50%	C	N	Medium
Tropical Storm		50%	C	N	Medium
Tropical Storm		0%	C	N	High
Tropical Storm	\$32,515	50%	C	N	High
Tropical Storm	\$45,000	0%	C	N	High
Tropical Storm	\$18,477	0%	C	N	High
Tropical Storm	\$17,790	0%	C	N	High

Damage Inventory

Tropical Storm	\$30,249	0%	C	N	High
Tropical Storm	\$32,790	0%	C	N	High
Tropical Storm	\$121,806	0%	C	N	High
Tropical Storm	\$7,268	0%	C	N	High
Tropical Storm	\$25,345	0%	C	N	High
Tropical Storm	\$43,024	0%	C	N	High
Tropical Storm	\$56,464	0%	C	N	High
Tropical Storm	\$13,023	0%	C	N	High
Tropical Storm	\$19,767	0%	C	N	High
Tropical Storm	\$57,454	0%	C	N	High
Tropical Storm	\$7,849	0%	C	N	High
Tropical Storm	\$2,093	0%	C	N	High
Tropical Storm	\$193,391	0%	C	N	High
Tropical Storm	\$34,306	0%	C	N	High
Tropical Storm	\$12,503	0%	C	N	High
Tropical Storm	\$386,581	0%	C	N	High

Damage Inventory

Tropical Storm	\$250,965	0%	C	N	High
Tropical Storm	\$29,744	0%	C	N	High
Tropical Storm	\$4,900	0%	C	N	High
Tropical Storm	\$25,912	0%	C	N	High
Tropical Storm	\$1,200,000	0%	C	N	High
Tropical Storm	\$438,438	0%	C	N	High
Tropical Storm		100%	C	N	High