2022 Multi-Hazard Pre-Disaster Mitigation Plan Update

APPENDIX D

WORKSHEETS USED IN PLANNING PROCESS

GEMA Worksheet #1

Identify the Hazard

What kinds of natural hazards can affect you?

Task A. List the hazards that may occur.

- 1. Research newspapers and other historical records
- 2. Review existing plans and reports.
- 3. Talk to the experts in your community, state, or region.
- 4. Gather information on Internet Websites.
- 5. Next to the hazard list below, put a check mark in the Task A boxes beside all hazards that may occur in your community or state.

Task B. Focus on the most prevalent hazard in your community or state.

- 1. Go to hazard Websites.
- 2. Locate your community or state on the Website map.
- 3. Determine whether you are in a high-risk area. Get more localized information if necessary.
- 4. Next to the hazard list below, put a check mark in the Task B boxes beside all hazards that post a significant threat.

Use this space to record information you find for each of the hazards you will be **researching**. Attach additional pages as necessary. Note: **Bolded** hazards are addressed in this How-to Guide.

	Task	Task		I	1	1
	А	В	Hazard or Event Description (<i>Type of hazard, date of event,</i>	Source of Information	Map Available	Scale of
Avalanche			number of injuries, cost and	Information	for this	оі Мар
Coastal Erosion			types of damage, etc.)		Hazard?	map
Coastal Storm	X					
Dam Failure	Х					
Drought	Х	Х				
Earthquake	Х		Drought See Appendix A for complete information	USDA, NCDC, SHELDUS, The	Maps area available for	
Expansive Soils			complete information	Sparta Ishmaelite,	the state as a	
Extreme Heat	Х			Palmer Index	whole from	
Flood	x	x			the Palmer	
Hailstorm	x	1			Index See Appendix A	
Hurricane	X	+	Flood See Appendix A for	USGS, NCDC,	Flood Plain	
Land Subsidence		+	this complete information	SHELDUS, The	Maps are	
Landslide				Sparta Ishmaelite,	available See Appendix A	
Severe Winter Storm	X	X	Severe Winter Weather	SERRC, NCDC,	Maps are	
Tornado	X	X	See Appendix A for this	SHELDUS, The	available in	
Tsunami			complete information Hail See Appendix A for this	Sparta Ishmaelite, NCDC, SHELDUS,	Appendix A No map is	
Volcano			complete information	NCDC, SHELDOS,	available	
Wildfire	x	x	Tornado See Appendix A for	Tornado History	Map is	
Windstorm			this complete information	Project, MRCC, NCDC,&	available See Chapter II.	
Lightning	X	x		SHELDUS,	Section IV.	
Tropical Storms	X	X	Lightning See Appendix A for	NCDC, SHELDUS,	No map is	
Thunderstorm Winds	X	X	this complete information	NODO QUELDUO	available	
			Tropical Storms See Appendix A for this complete	NCDC, SHELDUS,	No map is available	
			information		avanable	
			Thunderstorm Winds See	NCDC, SHELDUS,	No map is	
			Appendix A for this complete		available Map	
			information		is available	
			Wildfing Son Annondin A far	GFC	for wind zone	
			Wildfire See Appendix A for this complete information	UFC	Map is available for	
					fire danger	
					zones	

Date:

			uch	istory data Iarcy has been mi	curate hazard hi ection and accu	sider. 1) Acc 2) Data collu	bles to cons frequency.	ases a year. everal varial nterval and	II be 4 relea here are se currence i	that there wi standpoint, t n accurate re	statistically you could expect that there will be 4 releases a year. Realize that from a statistical standpoint, there are several variables to consider. 1) Accurate hazard history data and collection are crucial to an accurate recurrence interval and frequency. 2) Data collection and accuarcy has been much
						ıst 5 years,	nty in the pa	in the Cou	t Releases	en 20 HazMa	For example: If there have been 20 HazMat Releases in the County in the past 5 years.
				urrence interval.	the historic rec	determines	riod of time	a given pe	event over	of a hazard	NOTE: The historic frequency of a hazard event over a given period of time determines the historic recurrence interval.
	0	0	0.00	#DIV/0!	#DIV/0!						Radiological Release
	0	0	0.00	#DIV/0!	#DIV/0!						HazMat Release (trans)
	0	0	0.00	#DIV/0!	#DIV/0!						HazMat Release (fixed)
0.38	0.75	0.3	75.00	27.14	3.68	19	15	3	70	19	Tropical Storm
	0	0	0.00	#DIV/0!	#DIV/0!						Dam Failure
1.18	1.05	1.1	105.00	93.65	1.07	59	21	11	63	59	Lightning
0.56	0.45	0.5	2	40.00	2.50	28	6	5	70	28	Snow & Ice
	0	0	0.00	#DIV/0!	#DIV/0!						Extreme Heat
0.54	1.2	0.8	120.00	117	0.85	27	24	8	23	27	Drought
0.78	1.3	1.1	130.00	55.71	1.79	39	26	11	70	39	Hail
1.54	3	4.1	300.00	110.00	0.91	77	60	41	70	77	Thunderstorm Wind
0.16	0.25	0	25.00	12.86	7.78	8	5	0	70	6	Tornado
	0	0	0.00	#DIV/0!	#DIV/0!						Earthquake
37.54	36.95	28.9	3695.00	3724.59	0.03	1,877	739	289	61	2,272	Wildfire
0.14	0.3	0.3	30.00	10.00	10.00	7	9	3	07	7	Floods
	0	0	0.00	#DIV/0!	#DIV/0!						Hurricane Wind
	0		0.00	#DIV/0!	#DIV/0!						Hurricane Surge - Cat 5
	0	0	0.00	#DIV/0!	#DIV/0!						Hurricane Surge - Cat 4
	0	0	0.00	#DIV/0!	#DIV/0!						Hurricane Surge - Cat 3
	0	0	0.00	#DIV/0!	#DIV/0!						Hurricane Surge - Cat 2
	0	0	0.00	#DIV/0!	#DIV/0!						Hurricane Surge - Cat 1
Past 50 Year Record Frequen cy Per Year	Past 20 Year Record Frequency Per Year	Past 10 Year Record Frequency Per Year	20 year Historic Frequency % chance/year	Historic Frequency % chance/year	Historic Recurrence Interval (years)	Number of Events in Past 50 Years	Number of Events in Past 20 Years	Number of Events in Past 10 Years	Number of Years in Historic Record	Number of Events in Historic Record	Hazard

which will include periodic updates to this table. better in the past 10-20 years (NCDC weather records). 3) It is important to include all significant recorded hazard events

By updating and reviewing this table over time, it may be possible to see if certain types of hazard events are increasing in the past 10-20 years.

MCDUFFIE COUNTY-WIDE INCLUDES ALL JURISDICTIONS

							ľ				
	Number of Events	Number of Years	Number	Number	Number	Historic	Historic	20 year Historic	Past 10 Year	Past 20 Year	Past 50 Year
Hazard	in		in Past	in Past 20 in Past 50	in Past 50	Interval	% chance/	Frequency	Record	Record	Record
	Record	Record		Years	Years	(years)	year	year	Per Year	Per Year	Per Year
Hurricane Surge - Cat 1						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 2						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 3						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 4						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 5						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Wind						#DIV/0!	#DIV/0!	0.00	0	0	0
Floods	ъ	70	2	3	4	14.00	7.14	15.00	0.2	0.15	0.08
Wildfire						#DIV/0!	#DIV/0!	0.00	0	0	0
Earthquake						#DIV/0!	#DIV/0!	0.00	0	0	0
Tornado	8	70	0	4	7	8.75	11.43	20.00	0	0.2	0.14
Thunderstorm Wind	33	70	19	26	33	2.12	47.14	130.00	1.9	1.3	0.66
Hail	10	70	3	3	10	0.30	333.33	15.00	0.3	0.15	0.2
Drought	27	23	8	24	27	0.85	117.39	120.00	0.8	1.2	0.54
Extreme Heat						#DIV/0!	#DIV/0!	0.00	0	0	0
Snow & Ice	28	70	5	9	28	2.50	40.00	45.00	0.5	0.45	0.56
Lightning						#DIV/0!	#DIV/0!	0.00	0	0	0
Landslide						#DIV/0!	#DIV/0!	0.00	0	0	0
Dam Failure						#DIV/0!	#DIV/0!	0.00	0	0	0
Tropical Storm	19	70	З	15	19	3.68	27.14	75.00	0.3	0.75	0.38
HazMat Release (fixed)						#DIV/0!	#DIV/0!	0.00	0	0	0
HazMat Release (trans)						#DIV/0!	#DIV/0!	0.00	0	0	0
Radiological Release						#DIV/0!	#DIV/0!	0.00	0	0	0
NOTE: The historic frequency of a hazard event over a given period of time determines the historic recurrence interval.	cy of a hazarc	d event over	a given per	iod of time d	etermines the	e historic recur	rence interval.				
For example: If there have been 20 HazMat Releases in the County in the past 5 years,	een 20 HazM	at Releases	in the Coun	ity in the pas	t 5 years,						
statistically you could expect that there will be 4 releases a year.	t that there w	ill be 4 relea	ases a year.								

MCDUFFIE COUNTY UNICORPORATED AREAS HAZARD FREQUENCY TABLE

Realize that from a statistical standpoint, there are several variables to consider. 1) Accurate hazard history data

and collection are crucial to an accurate recurrence interval and frequency. 2) Data collection and accuarcy has been much

better in the past 10-20 years (NCDC weather records). 3) It is important to include all significant recorded hazard events

which will include periodic updates to this table.

By updating and reviewing this table over time, it may be possible to see if certain types of hazard events are increasing in the past 10-20 years.

				HAZAR	D FREQU	HAZARD FREQUENCY TABLE					
Hazard	Number of Events in Historic Record	Number of Years in Historic Record	Number of Events in Past 10 Years	Number of Events in Past 20 Years	Number of Events in Past 50 Years	Number Number Number Historic of Events of Events of Events Recurrence in Past in Past in Past Interval 10 Years 20 Years 50 Years (years)	Historic Frequency % chance /year	20 year Historic Frequency % chance /year	Past 10 Year Record Frequency Per Year	Past 20 Year Record Frequency Per Year	Past 50 Year Record Frequency Per Year
Hurricane Surge - Cat 1						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 2						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 3						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 4						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Surge - Cat 5						#DIV/0!	#DIV/0!	0.00	0	0	0
Hurricane Wind						#DIV/0!	#DIV/0!	0.00	0	0	0
Floods	3	70	2	2	3	23.33	4.29	10.00	0.2	0.1	0.06
Wildfire						#DIV/0!	#DIV/0!	0.00	0	0	0
Earthquake						#DIV/0!	#DIV/0!	0.00	0	0	0
Tornado	0	70	0	0	0	#DIV/0!	0.00	0.00	0	0	0
Thunderstorm Wind	31	70	19	23	31	2.26	44.29	115.00	1.9	1.15	0.62
Hail	10	70	2	4	10	7.00	14.29	20.00	0.2	0.2	0.2
Drought	27	23	8	24	27	0.85	117.39	120.00	0.8	1.2	0.54
Extreme Heat						#DIV/0!	#DIV/0!	0.00	0	0	0
Snow & Ice	28	70	5	9	28	2.50	40.00	45.00	0.5	0.45	0.56
Lightning						#DIV/0!	#DIV/0!	0.00	0	0	0
Landslide						#DIV/0!	#DIV/0!	0.00	0	0	0
Dam Failure						#DIV/0!	#DIV/0!	0.00	0	0	0
Tropical Storm	19	70	3	15	19	3.68	27.14	75.00	0.3	0.75	0.38
HazMat Release (fixed)						#DIV/0!	#DIV/0!	0.00	0	0	0
HazMat Release (trans)						#DIV/0!	#DIV/0!	0.00	0	0	0
Radiological Release						#DIV/0!	#DIV/0!	0.00	0	0	0
NOTE: The historic frequency of a hazard event over a given period of time determines the historic recurrence interval.	y of a hazard	event over a	given perio	d of time de	termines the	historic recur	rence interval.				
For example: If there have been 20 HazMat Releases in the County in the past 5 years	en 20 HazMat	t Releases ir	the County	in the past	5 years,						
statistically you could expect that there will be 4 releases a year.	that there wil	I be 4 releas	es a year.								
Realize that from a statistical standpoint, there are several variables to consider. 1) Accurate hazard history data	standpoint, th	here are sev	eral variable	s to conside	er. 1) Accura	ate hazard histo	ory data				

DEARING HAZARD FREQUENCY TABLE

and collection are crucial to an accurate recurrence interval and frequency. 2) Data collection and accuarcy has been much better in the past 10-20 years (NCDC weather records). 3) It is important to include all significant recorded hazard events

which will include periodic updates to this table.

By updating and reviewing this table over time, it may be possible to see if certain types of hazard events are increasing in the past 10-20 years.

			HAZAR	D FREQUI	ENCY TABL	Ш				
Number		Number			Historic	Historic	20 year Historic	Past 10 Year	Past 20 Year	Past 50 Year
of Events in Historic Record					Recurrence Interval (years)	Frequency % chance /year	Frequency % chance /vear	<		Record Frequency Per Year
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
5	70	4	5	5	14.00	7.14	25.00	0.4	0.25	0.1
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
3	70	0	2	3	23.33	4.29	10.00	0	0.1	0.06
55	70	13	26	55	1.27	78.57	130.00	1.3	1.3	1.1
29	70	6	19	29	2.41	41.43	95.00	0.6	0.95	0.58
27	23	8	24	27	0.85	117.39	120.00	0.8	1.2	0.54
					#DIV/0!	#DIV/0!	0.00	0	0	0
28	70	ъ	6	28	2.50	40.00	45.00	0.5	0.45	0.56
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
19	70	ω	15	19	3.68	27.14	75.00	0.3	0.75	0.38
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
					#DIV/0!	#DIV/0!	0.00	0	0	0
of a hazard	event over a	ı given perio	d of time de	termines the	historic recur	rence interval.				
en 20 HazMa	ıt Releases i	n the County	in the past	5 years,						
hat there wi	II be 4 releas	ses a year.								
standpoint, t	here are sev	eral variable	s to conside	er. 1) Accura	ate hazard histo	ory data				
h accurate re	ecurrence int	terval and fre	equency. 2)	Data collecti	on and accuar	cy has been mu	- ich			
$\mathbf{z} = \mathbf{z} = \mathbf{v}$	Number of Events in Historic Record 8 8 9 9 9 9 9 9 19 29 29 29 29 29 29 29 27 27 27 27 27 27 27 27 27 27 27 27 27	Number of Events of Events n Historic Record Record S 5 5 70 5 70 27 27 27 27 27 27 27 27 27 27 27 27 27	Number of Events in HazardNumber of Events in HistoricNumber of Years of Events in HistoricNumber of Years of Events in in Past 10 PecordNumber of Years of Events in in Past 10 PecordNumber of Events of Events in in Past 10 PecordNumber of Events of Events of Events of Events in Past 10 PecordNumber of Events of Events of Events of Events in Past 10 PecordNumber of Events of Events of Events PecordNumber of Events of Events of Events pecordNumber of Events of Events events events events <	Number of Events in n Historic RecordNumber of Years of Events in Past 10 yearsNumber of of Events in Past 10 yearsNumber of of Events yearsNumber of Vears Past 10 in Past 10 yearsNumber of of Events in Past 10 yearsNumber of of Past 10 yearsNumber of of Past 10 yearsSolutionSolutionSolutionNumber of Fernic Past 10 20 YearsNumber of Past 10 20 YearsSolution<	HAZARDNumber of Events in Historic Hurricane Surge - Cat 1 Hurricane Surge - Cat 2Number of Events in Historic Historic Historic Historic Historic Historic Hurricane Surge - Cat 3Number of Events in Past 10 Pears 20 Years 20 Years <b< td=""><td>Number of Events in Nitroric Pecord Number of Years in Past 10 in Past 10 in Past Years Number of Events in Past 20 Years Number Sof Fevents in Past 20 Years Historic of Events in Past 20 Years Historic for Events in Past 20 Years Historic Sof Pears Record Years 20 Years 50 Years 10 Past 10 Past 20 Years 10 Past 20 Years 10 Past 10 P</td><td>Hazard Number of Events in Historic Number frequency in Past 10 in PDIV/01 in PDIV/01</td><td>HAZARD FREQUENCY TABLE Number of in Past 20 Years Number of Events in Past 50 Years Historic Recurrence in Past 50 Years Historic requency so Years Historic Frequency % chance % chan</td><td>20 year Past 10 Year Istoric Year equency Record 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 10.00 0 120.00 0.4 0.000 0.5 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0</td><td>20 year Past 10 Year Past 20 Year Ilstoric Year Year Year Record Record Chance Frequency Frequency Per Year Per Year Per Year 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 120.00 0.8 1.2 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0</td></b<>	Number of Events in Nitroric Pecord Number of Years in Past 10 in Past 10 in Past Years Number of Events in Past 20 Years Number Sof Fevents in Past 20 Years Historic of Events in Past 20 Years Historic for Events in Past 20 Years Historic Sof Pears Record Years 20 Years 50 Years 10 Past 10 Past 20 Years 10 Past 20 Years 10 Past 10 P	Hazard Number of Events in Historic Number frequency in Past 10 in PDIV/01 in PDIV/01	HAZARD FREQUENCY TABLE Number of in Past 20 Years Number of Events in Past 50 Years Historic Recurrence in Past 50 Years Historic requency so Years Historic Frequency % chance % chan	20 year Past 10 Year Istoric Year equency Record 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 10.00 0 120.00 0.4 0.000 0.5 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0 0.000 0	20 year Past 10 Year Past 20 Year Ilstoric Year Year Year Record Record Chance Frequency Frequency Per Year Per Year Per Year 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 120.00 0.8 1.2 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0 0.00 0 0 0

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which will include periodic updates to this table.

better in the past 10-20 years (NCDC weather records). 3) It is important to include all significant recorded hazard events

By updating and reviewing this table over time, it may be possible to see if certain types of hazard events are increasing in the past 10-20 years.

GEMHSA Worksheet #3a

Inventory of Assets

Jurisdiction: McDuffie County All Jurisdictions

Hazard: Drought, Wildfire, Tornadoes, Tropical Storms, Severe Weather, and Winter Storms

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

	N	umber of Struct	ures		Value of Structures		1	Number of Peop	le
Type of Structure (Occupancy Class)	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	26,409	26,409	100%	\$734,368,050	\$734,368,050	100%	21,455	21,455	100%
Commercial	2,400	2,400	100%	\$281,637,993	\$281,637,993	100%	21,455	21,455	100%
Industrial	158	158	100%	\$270,334,803	\$270,334,803	100%	6,224	6,224	100%
Agricultural	2,972	2,972	100%	\$316,998,400	\$316,998,400	100%	280	280	100%
Religious/ Non- profit	184	184	100%	\$52,429,515	\$52,429,515	100%	21,455	21,455	100%
Government	236	236	100%	\$126,465,143	\$126,465,143	100%	1,136	1,136	100%
Education	33	33	100%	\$16,564,978	\$16,564,978	100%	4,074	4,074	100%
Utilities	37	37	100%	\$100,624,933	\$100,624,933	100%	11	11	100%
Total	32,429	32,429	100%	\$1,899,423,813	\$1,899,423,813	100%	21,455	21,455	100%

	Y	Ν
1. Do you know where the greatest damages may occur in your area?	Y	
2. Do you know whether your critical facilities will be operational after a hazard event?	Y	
3. Is there enough data to determine which assets are subject to the greatest potential damages?	Y	
4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards?	Y	
5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards?	Y	
6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence?	Y	
7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives?		N

GEMHSA Worksheet #3a Inventory of Assets Jurisdiction: McDuffie County All Jurisdictions Hazard: Flood

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

	Nu	umber of Struct	ures		Value of Structures		1	Number of Peop	le
Type of Structure (Occupancy Class)	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	26,409	428	1.62%	\$734,368,050	\$11,901,606	2%	21,455	384	100%
Commercial	2,400	0	0.00%	\$281,637,993	\$0	0%	21,455	0	0%
Industrial	158	10	6.33%	\$270,334,803	\$17,109,798	6%	6,224	0	0%
Agricultural	2,972	549	18.47%	\$316,998,400	\$58,557,241	18%	280	24	9%
Religious/ Non- profit	184	0	0.00%	\$52,429,515	\$0	0%	21,455	0	0%
Government	236	13	5.51%	\$126,465,143	\$6,966,300	6%	1,136	4	0%
Education	33	0	0.00%	\$16,564,978	\$0	0%	4,074	0	0%
Utilities	37	2	5.41%	\$100,624,933	\$5,439,186	5%	11	0	0%
Total	32,429	1,002	3.09%	\$1,899,423,813	\$99,974,131	5%	21,455	412	2%

	Y	Ν
1. Do you know where the greatest damages may occur in your area?	Y	
2. Do you know whether your critical facilities will be operational after a hazard event?	Y	
3. Is there enough data to determine which assets are subject to the greatest potential damages?	Y	
4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards?	Y	
5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards?	Y	
6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence?	Y	
7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives?		N

GEMHSA Worksheet #3a

Inventory of Assets

Jurisdiction: McDuffie County Unincorporated

Hazard: Drought, Wildfire, Tornadoes, Tropical Storms, Severe Weather, and Winter Storms

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

	Nu	umber of Struct	ures		Value of Structures		1	Number of Peop	le
Type of Structure (Occupancy Class)	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	19,445	19,445	100%	\$548,155,483	\$548,155,483	100%	14,238	14,238	100%
Commercial	1,178	1,178	100%	\$143,915,513	\$143,915,513	100%	14,238	14,238	100%
Industrial	136	136	100%	\$267,834,040	\$267,834,040	100%	5,056	5,056	100%
Agricultural	2,947	2,947	100%	\$314,089,865	\$314,089,865	100%	260	260	100%
Religious/ Non- profit	123	123	100%	\$41,053,770	\$41,053,770	100%	14,238	14,238	100%
Government	111	111	100%	\$53,062,968	\$53,062,968	100%	221	221	100%
Education	13	13	100%	\$26,630	\$26,630	100%	943	943	100%
Utilities	16	16	100%	\$87,871,340	\$87,871,340	100%	7	7	100%
Total	23,969	23,969	100%	\$1,456,009,608	\$1,456,009,608	100%	14,238	14,238	100%

	Y	Ν
1. Do you know where the greatest damages may occur in your area?	Y	
2. Do you know whether your critical facilities will be operational after a hazard event?	Y	
3. Is there enough data to determine which assets are subject to the greatest potential damages?	Y	
4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards?	Y	
5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards?	Y	
6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence?	Y	
7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives?		N

GEMHSA Worksheet #3a Inventory of Assets Jurisdiction: McDuffie County Unincorporated Hazard: Flood

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

	N	umber of Struct	ures		Value of Structures		1	Number of Peop	le
Type of Structure (Occupancy Class)	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	19,445	412	2%	\$548,155,483	\$11,614,300	2%	14,238	359	3%
Commercial	1,178	0	0%	\$143,915,513	\$0	0%	14,238	0	0%
Industrial	136	5	4%	\$267,834,040	\$9,846,840	4%	5,056	0	0%
Agricultural	2,947	542	18%	\$314,089,865	\$57,766,103	18%	260	24	9%
Religious/ Non- profit	123	0	0%	\$41,053,770	\$0	0%	14,238	0	0%
Government	111	8	7%	\$53,062,968	\$3,824,358	7%	221	4	2%
Education	13	0	0%	\$26,630	\$0	0%	943	0	0%
Utilities	16	0	0%	\$87,871,340	\$0	0%	7	0	0%
Total	23,969	967	4%	\$1,456,009,608	\$83,051,601	6%	14,238	387	3%

	Y	Ν
1. Do you know where the greatest damages may occur in your area?	Y	
2. Do you know whether your critical facilities will be operational after a hazard event?	Y	
3. Is there enough data to determine which assets are subject to the greatest potential damages?	Y	
4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards?	Y	
5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards?	Y	
6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence?	Y	
7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives?		N

GEMHSA Worksheet #3a Inventory of Assets Jurisdiction: Dearing Hazard: Drought, Wildfire, Tornadoes, Tropical Storms, Severe Weather, and Winter Storms

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

	Nu	umber of Struct	ures		Value of Structures		1	Number of Peop	le
Type of Structure (Occupancy Class)	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	738	738	100%	\$18,364,863	\$18,364,863	100%	624	624	100%
Commercial	58	58	100%	\$4,050,593	\$4,050,593	100%	624	624	100%
Industrial	9	9	100%	\$993,953	\$993,953	100%	36	36	100%
Agricultural	17	17	100%	\$1,753,660	\$1,753,660	100%	14	14	100%
Religious/ Non- profit	7	7	100%	\$719,043	\$719,043	100%	624	624	100%
Government	15	15	100%	\$2,009,553	\$2,009,553	100%	175	175	100%
Education	2	2	100%	\$3,144,423	\$3,144,423	100%	594	594	100%
Utilities	8	8	100%	\$1,304,308	\$1,304,308	100%	1	1	100%
Total	854	854	100%	\$32,340,393	\$32,340,393	100%	624	624	100%

	Y	Ν
1. Do you know where the greatest damages may occur in your area?	Y	
2. Do you know whether your critical facilities will be operational after a hazard event?	Y	
3. Is there enough data to determine which assets are subject to the greatest potential damages?	Y	
4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards?	Y	
5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards?	Y	
6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence?	Y	
7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives?		N

GEMHSA Worksheet #3a Jurisdiction: Dearing Hazard: Flood

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

	Nu	umber of Struct	ures		Value of Structures		1	Number of Peop	le
Type of Structure (Occupancy Class)	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	738	0	0.00%	\$18,364,863	0	0.00%	624	0	0%
Commercial	58	0	0.00%	\$4,050,593	\$0	0.00%	624	0	0%
Industrial	9	0	0.00%	\$993,953	\$0	0.00%	36	0	0%
Agricultural	17	3	17.65%	\$1,753,660	\$770,744	43.95%	14	0	0%
Religious/ Non- profit	7	0	0.00%	\$719,043	\$0	0.00%	624	0	0%
Government	15	0	0.00%	\$2,009,553	\$0	0.00%	175	0	0%
Education	2	0	0.00%	\$3,144,423	\$0	0.00%	594	0	0%
Utilities	8	0	0.00%	\$1,304,308	\$0	0.00%	1	0	0%
Total	854	3	0.35%	\$32,340,393	\$770,744	2.38%	624	0	0%

	Y	Ν
1. Do you know where the greatest damages may occur in your area?	Y	
2. Do you know whether your critical facilities will be operational after a hazard event?	Y	
3. Is there enough data to determine which assets are subject to the greatest potential damages?	Y	
4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards?	Y	
5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards?	Y	
6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence?	Y	
7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives?		N

GEMHSA Worksheet #3a Inventory of Assets Jurisdiction: Thomson Hazard: Drought, Wildfire, Tornadoes, Tropical Storms, Severe Weather, and Winter Storms

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

	N	umber of Struct	ures		Value of Structures		1	Number of Peop	le
Type of Structure (Occupancy Class)	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	6,226	6,226	100%	\$167,847,705	167,847,705	100%	6,593	6,593	100%
Commercial	1,164	1,164	100%	\$133,671,888	\$133,671,888	100%	6,593	6,593	100%
Industrial	13	13	100%	1,506,810	\$1,506,810	100%	1,132	1,132	100%
Agricultural	8	8	100%	1,154,875	\$1,154,875	100%	6	6	100%
Religious/ Non- profit	54	54	100%	\$10,656,703	\$10,656,703	100%	6,593	6,593	100%
Government	110	110	100%	\$71,392,623	\$71,392,623	100%	740	740	100%
Education	18	18	100%	13,393,925	\$13,393,925	100%	2,527	2,527	100%
Utilities	13	13	100%	11,449,285	\$11,449,285	100%	3	3	100%
Total	7,606	7,606	100%	\$411,073,814	\$411,073,814	100%	6,593	6,593	100%

	Y	Ν
1. Do you know where the greatest damages may occur in your area?	Y	
2. Do you know whether your critical facilities will be operational after a hazard event?	Y	
3. Is there enough data to determine which assets are subject to the greatest potential damages?	Y	
4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards?	Y	
5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards?	Y	
6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence?	Y	
7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives?		N

GEMHSA Worksheet #3a Jurisdiction: Thomson Hazard: Flood

Task A. Determine the proportion of buildings, the value of buildings, and the population in your community or state that are located in hazard areas.

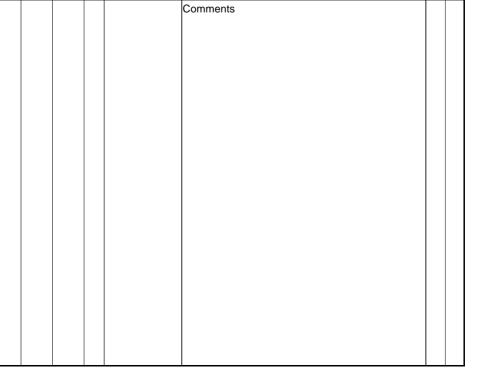
	Nu	umber of Struct	ures		Value of Structures		1	Number of Peop	le
Type of Structure (Occupancy Class)	# in Community of State	# in Hazard Area	% in Hazard Area	\$ in Community or State	\$ in Hazard Area	% in Hazard Area	# in Community or State	# in Hazard Area	% in Hazard Area
Residential	6,226	16	0%	\$167,847,705	\$211,669	0.13%	6,593	25	0.38%
Commercial	1,164	0	0%	\$133,671,888	\$0	0.00%	6,593	0	0.00%
Industrial	13	5	38%	\$1,506,810	\$302,400	20.07%	1,132	0	0.00%
Agricultural	8	4	50%	\$1,154,875	\$350,000	30.31%	6	0	0.00%
Religious/ Non- profit	54	0	0%	\$10,656,703	\$0	0.00%	6,593	0	0.00%
Government	110	5	5%	\$71,392,623	\$152,410	0.21%	740	0	0.00%
Education	18	0	0%	\$13,393,925	\$0	0.00%	2,527	0	0.00%
Utilities	13	2	15%	\$11,449,285	\$155,212	1.36%	3	0	15.38%
Total	7,606	32	0%	\$243,226,108	\$1,171,691	0.48%	6,593	25	0.38%

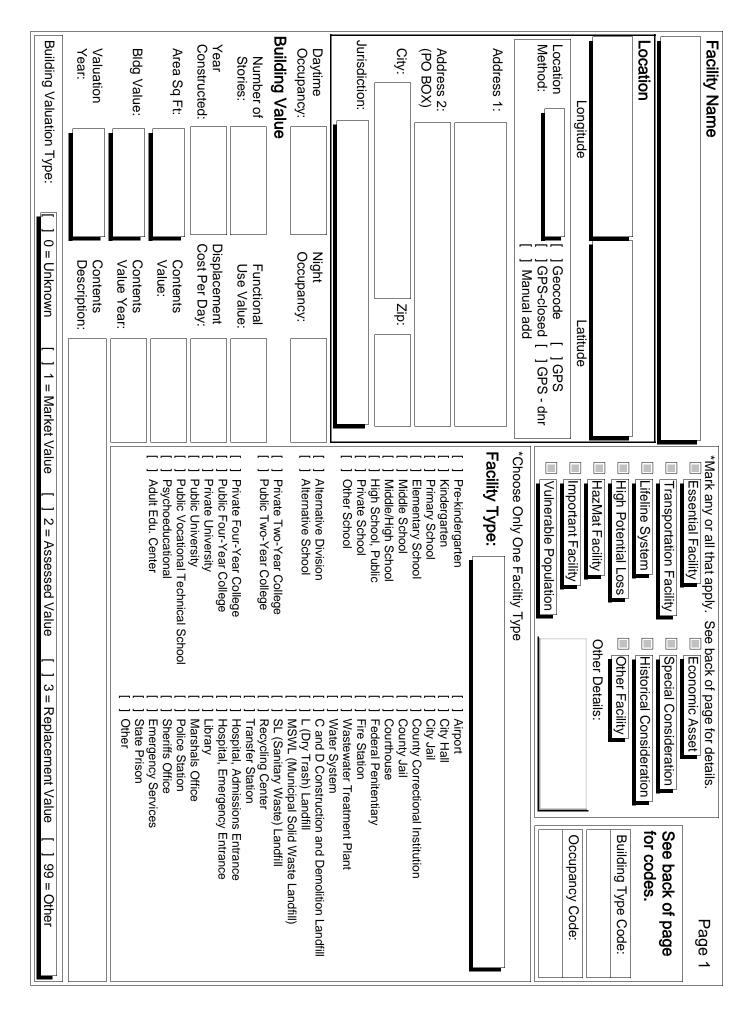
	Y	Ν
1. Do you know where the greatest damages may occur in your area?	Y	
2. Do you know whether your critical facilities will be operational after a hazard event?	Y	
3. Is there enough data to determine which assets are subject to the greatest potential damages?	Y	
4. Is there enough data to determine whether significant elements of the community are vulnerable to potential hazards?	Y	
5. Is there enough data to determine whether certain areas of historic, environmental, political, or cultural significance are vulnerable to potential hazards?	Y	
6. Is there concern about a particular hazard because of its severity, repetitiveness, or likelihood of occurrence?	Y	
7. Is additional data needed to justify the expenditure of community or state funds for mitigation initiatives?		N

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		+	+ + +	+	1	
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	current evacuation plans paying particular n to vulnerable populations and update as	+ + + + + + + + + + + + + + + + + + + +	+			
	Develop a public awareness program about the nstallation of lightning grounding systems on critical nfrastructure, residential and business properties.	+ + + +	+			
all current and future emergency enter locations and evacuation remetters.++ <t< td=""><td>nventory all critical facilities and assess generator needs. nstall generators where needed.</td><td>+ + + +</td><td>+</td><td></td><td>+</td><td></td></t<>	nventory all critical facilities and assess generator needs. nstall generators where needed.	+ + + +	+		+	
letter locations and evacuation+++ <th< td=""><td>seek funding to ensure all current and future emergency helters have back-up generators.</td><td>+ + + +</td><td>+</td><td></td><td></td><td></td></th<>	seek funding to ensure all current and future emergency helters have back-up generators.	+ + + +	+			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Educate the public on shelter locations and evacuation outes	+ + +	+			
meducation program to include ad/or business and what to do++<	Develop public education and awareness programs egarding severe weather events to include home safety neasures, purchase of weather radio and personal safety neasures before, during and after an event.	+ + + +	+		+	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	mplement a winter storm education program to include vinterization of home and/or business and what to do effore, during and after.	+ + + +	+		+	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Review current codes to comply with and enforce the state building code with criteria for design snow load for uildings and structures.	+ +	+		+	
sting road equipment and purchase needed maintain roads before, during and after a thated management strategies for deicing, s, and clearing roads of fallen trees and s, and clearing roads of fallen trees and thuildings.+++	Treate a data base to record hazard event information.	+ + + +	+		+	
dinated management strategies for deicing, y, and clearing roads of fallen trees and to participate in Community Disaster participate and radio providers to enhance t public education on Emergency $+$ ++	nventory existing road equipment and purchase needed quipment to maintain roads before, during and after a nazard event.	+ +	+		+	
construction of safe rooms in shelter areas + <	Develop coordinated management strategies for deicing, now plowing, and clearing roads of fallen trees and lebris	+ +	+			
quipment as needed.+++<	romote the construction of safe rooms in shelter areas and in public buildings.	+ +	+		+	
c shelters for emergency purposes. +	Jpdate 911 equipment as needed. Remest that all new education facilities be designed to	+ + +	+		+	
Participitate in Community Disaster + + + + - + + + + + + + + + + + + + +	erve as public shelters for emergency purposes. Tromote and participate American Red Cross Disaster Resistant Neighborhoods Program	+ + +	+ +		+ +	
cal cable and radio providers to enhance - + <td>romote and Participitate in Community Disaster Education Preparedness presentations</td> <td>+ +</td> <td>+</td> <td></td> <td>1</td> <td></td>	romote and Participitate in Community Disaster Education Preparedness presentations	+ +	+		1	
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	nce	Population	1						ions							rity	enge				mic Goals	uired	or.	61	l Species	/ Waste Sites	·····	er I Species / Waste Sites munity Environmen									
Considerations → for Alternative Actions	ommunity Accepta	ffect on Segment of	echnical Feasibilit		ong-term Solution	econdary Impacts	taffing	unding Allocated	Iaintenance / Operation		olitical Support	ocal Champion	ublic Support		tate Authority	xisting Local Auth	otential Legal Cha	enefit of Action		ost of Action	ontributes to Econ	utside Funding Re	ffect on L and / We		ffect on Endangere	ffect on HAZMAT	i-tith C	onsistent with Con	onsistent With Fed	lternative Actions	Iternative Actions			omments			
Investigate greater participation Level in the CRS											!																	ľ									
Investigate greater participation Level in the CRS		+					-	•		-			•						-																		
Continue to assess storm water runoff.		+	+				+	+											+				+														
Construct as needed, more storm water retention facilities storm drain improvements and channel																																					
improvements to protect existing and new developments	<u>ي</u> ب	+	+	+	·		+	+	+	+	τ	_						+					+				+	•									
Clear run-off and water retention ditches.	+	+	+	+	Ľ		+	+	+		+							+	+				+														
Seek funding for communication towers and voice repeater systems.	+	+		+	-		+	+			+											-															
Promote the preservation of areas in and around watercourses.		+	+	+	Т		+	+	+									+	+	т			+				+	•									
Add greenspace to known flood prone areas. Evaluate existing water system inorade as needed		+	+ '	+ +			+ '	' +	+									+ +	+	-		1 1	+				+ +										
Investigate methods to reduce non-point source pollution.	+	+	+	+	-		+	1	+	+	7		+					+	1			1					+	-									
Enact a program to educate the residents about water conservation issues	+	+	1	1			I	I						+	-			+	1			I					+	-									
Increase public awareness of watering restrictions and bans.			+	+			+	1	+					+	Т.			+	-			1	+				+	Т									
Develop a public awareness campaign to promote water- saving campaigns (i.e. low-flow water saving devices)	+		+	+	т		I	I	+									+	+	т 		I	+				+	-									
Continue training of all firefighters to include wildland fire training.	+		+	+	T		1	+	+									+	+	т		+	+				+	т									
ed firefighting	+	+	+	+	-		+	+	+		+		+	+	-			+	+	т			+				+	-									
Inventory and replace or install more fire hydrants as needed.	+		+	+	- T		+	+	+		+		+					+	+	т —		1					+	-									
Enforce defensible space (30-ft minimum setbacks) between buildings and flammable brush and forestland where possible.			+	+	T		+	I	+		+		+					+	+	т 		I					+	т									
Continue following GFC service of construction and maintenance of firebreaks around forests and structures, along abandoned roadbeds.	+		+	+	-		+	+	+		+		+					+	+	т		I					+	Ŧ									
Strictly follow GFC's guidelines for control burns and permits.	+		+	+	-		+	+	+		+		+					+	+	т		I					+	т									
Investigate the feasibility of Implementing the Firewise Community Initiative where appropriate			+	+			+	1	+		+	_	+					+	+	т		I.					+	Т									
Improve public awareness of wildfire techniques and awareness of wildfire dangers.			+	+			+	I.	+	+	Ŧ		+					+	+	т		I.					+	т									
Equip all county and city recreation parks with adequate early severe weather warning and lightning detection devices.			+	+	Т		+	I	+	+	т'		+					+	+	т		I					+	-									
Inspects public buildings and critical facilities and retrofit to reinforce windows, doors, and roofs as needed	it.		+	+	т		+	I.	+	-	+		+					+	+	т		1					+	т									
Enforce building codes for all new buildings and critical facilities.			+	+	т		+	I	+		+		+					+	+	т		I					+	-									
Install lightning rods in high value critical facilities.	+		+	+	-		1	+	+		+	+	ı					+	+	т		1	+				+	-									

	Provide NOAA weather radios to elderly and handicap	Pave Roads in county that are unpassable due to +	Seek funding to purchase ambulance +	Implement GIS technology on fire and emergency management vehicles so data can be readily available in the field so more accurate, timely assessments for future mitigation planning activities.	← Considerations ↓ for Alternative Actions Community Acceptance Effect on Segment of Population	(Social) (Technical) (Administrat (Political)	STAPLEE Criteria S
-	+	+	+	+	Technical Feasibility) (Te	-
	+	+	+	+	Long-term Solution	chni	
I					Secondary Impacts	cal)	
I	+	+	+	I	Staffing	(Ad	A
	+	+	+	+	Funding Allocated	mini	
	+	+	+	+	Maintenance / Operations	strat	
	+	+	+	+	Political Support	(Pol	Ρ
					Local Champion	litica	
					Public Support		
					State Authority	(Legal)	
					Existing Local Authority	gal)	
					Potential Legal Challenge		
	+	+	+	+	Benefit of Action	(Ec	ш
	+	+	+	+	Cost of Action	(Economic)	
					Contributes to Economic Goals	nic)	
	I		1	I	Outside Funding Required		
				+	Effect on Land / Water	(En	ш
					Effect on Endangered Species	viror	
					Effect on HAZMAT / Waste Sites	(Environmental)	
					Consistent with Community Environmental Goals	ıtal)	
					Consistent With Federal Laws		
					Alternative Actions		
					Alternative Actions		
					Comments		





FY2003

MCDUFFIE COUNTY HAZARD MITIGATION PLAN UPDATE

Documentation of Labor Match

NAME (Please Print):	
ORGANIZATION:	
DATE(S):	
EVENT: <u>Hazard</u>	Mitigation Plan Update
HOURLY SALARY:	
BENEFITS PER HOU	R:
HOURS CONTRIBUT	TED (Include travel time):
TOTAL LABOR MA	ГСН:

 $(Hourly\ Salary + Benefits\ Per\ Hour)\ X\ Hours\ Contributed = Total\ Labor\ Match$

SIGNATURE: _____

(FORM IS NOT VALID WITHOUT SIGNATURE)

"I authorize GEMA/HS to use the value identified for federal costs sharing matching purposes and do not otherwise believe that I am currently paid with federal funds or that my salary is being used to satisfy any other federal costs sharing obligation."

For use by Committee Members (e.g. EMA Director, County Engineer ...)

Building Type Code:		Page 2
[] C1 = Concrete Moment Frame	Occupancy Code:	[] IND1 = Heavy Industrial
I C2 = Concrete Shear Walls I C3 = Concrete Frame with Unreinforced Masonry Infill Walls	[] AGR1 = Agriculture Facilities and Offices	 IND2 = Light Industrial IND3 = Food/Drugs/Chemicals
[] MH = Manufactured Housings	[] COM2 = Wholesale Trade	[] IND4 = Metals/Minerals Processing
 J O = Other Building Type J P1 = Precast Concrete Tilt-Up Walls 	[] COM3 = Personal and Repair Services	 IND5 = High Technology IND6 = Construction Facilities and Offices
[] P2 = Precast Concrete Frames with Cast-in-Place Concrete		[] REL1 = Churches and Non-Profit
RM1 = 0		Organizations
Deck Diaphragms	I COM7 = Medical Office and Clinic I COM8 = Entertainment Recreation	[] RES2 = Manufactured Housing
[] RM2 = Reinforced Masonry Bearing Walls with Precast Concrete	[] COM9 =	[] RES3A = Duplex
Diaphragms	[] COM10 = Parking Garages	[] RES3B = 3 to 4 Units
	[] EDU2 = Colleges and Universities	[] RES3D =
I 3 Steel Light Frame I 3 Steel Frame with Cast-in-Place Concrete Shear Walls	GOV1 = Government - General Services I 1 GOV2 = Government - Emergency	[] RES3E = 20 to 49 Units [] RES3F = > 50 Units
[] S5 = Steel Frame with Unreinforced Masonry Infill Walls	Response	[] RES4 = Temporary Lodging
UNK = Unknown Building Type		[] RES6 = Nursing Homes
Definitions: High Pc	High Potential Loss Facility Facilities that would have a high human loss associated with their Lar.	Economic Assets Larger economic assets that are vital to the prosperity of the
Essential Facility damage An essential facility is a critical facility that is essential to the dams a health and welfare of the population. The potential		community. Examples include major employers and financial centers in your community or area that impact the local or regional economy if significantly disrupted.
		Special Considerations
	inters, namination indications, reduced to see if your county has a Local mittee (LEPC) and an existing	amaged or impacted in a hazard event or disaster, could result in high death tolls or injury rates. Examples include: larger
and other structures that house first responder equipment or	riazardous waterial listilig. con	complexes.
	Inity	Historic Considerations
or facilities. Examples include:	nd or	Historic, cultural or natural resources, including structures and areas that are identified and protected under state or federal law.
Highways: airports, neilports, roadbeds, overpasses, transfer institution institution	institutions, major employers in the area, bank and tinancial Exa institutions, non-nuclear power generators, certain commercial hist	Examples include: state parks, federal parks, museums and historic districts.
	าd gas	Other Facilities
		Any other significant locally identified facility that does not fit into
Waterways: canals, locks, ports, ferries, dry-docks, piers. Vulnera		another category of those listed above.
Lifeline System structure		Comments:
	Examples include: elderly people, jail populations, people with	
that could include utilities and communication. Examples populations	mental, physical of mobility problems, and non-English speaking populations.	
ric		

power, and communication.

EXHIBIT "H"

Date:	XYZ Cou	inty PDM Prog	gress Paymer	nt Request
expenditure below to the fu supports this progress paym	allest detail possible, nent request, such as ject administrative c	including a reference copies of bills of sale	e to specific sites o , invoices, receipts	on supporting actual expenditures. Itemize each or elements of work. Attach documentation that s, and canceled checks evidencing payment. Do o not include this in your request for payment.
AGREEMENT NUMBER_		FEMA P	roject Number	
SUBGRANTEE NAME: X	YZ County	(FIPs cod	le) ID. Number:	
Site Reference or Element of Work	Approved Amount	Previous Payment	Current Request	Description of Documentation Attached in Support of this Payment Request
	(from continuation she	eet attached) SUBTOTAL TOTAL		
	or 15% if S	Subgrantee Share (25%) (tate match is applicable) (Share if applicable (10%)		
		MOUNT REQUESTED		

Under penalty of perjury, I certify that to the best of my knowledge and belief the data above are correct and that all outlays were made in accordance with the grant conditions or other agreement, comply with procurement regulations contained within the 44 CFR, Part 13, and that payment is due and has not been previously requested. I am familiar with Section 317 of Public Law 93-288, as amended by the Robert T. Stafford Disaster Relief and Emergency Assistance Act. I understand that any part of this payment request that is not supported by cost documents and/or expended within the scope of the approved project will be refunded to the State of Georgia within 30 days of receiving the deobligation notice.

Signature of Subgrantee's Authorized Representative (and printed name)

DATE						TITLE					Signature
		GRANT.	VOTHER FEDERAL	ATCH FOR AN	LOCAL M.	ISED FOR)T BEING U	S ARE NC	VE COST:	I CERTIFY THAT THE ABOVE COSTS ARE NOT BEING USED FOR LOCAL MATCH FOR ANOTHER FEDERAL GRANT.	
	ABLE FOR AUDI	AT ARE AVAIL	DOCUMENTS THA	S OR OTHER)S, INVOICE	RECORD	PAYROLL	ED FROM	OBTAINE	I CERTIFY THAT THE ABOVE INFORMATION WAS OBTAINED FROM PAYROLL RECORDS, INVOICES OR OTHER DOCUMENTS THAT ARE AVAILABLE FOR AUDIT.	
\$	Total Cost for Labor Time	Total Cost									
\$	\$	0							Hours	TITLE	NAME
\$ -	\$	0							Hours	TITLE	NAME
\$ -	\$	0							Hours	TITLE	NAME
\$ -	\$	0							Hours	TITLE	NAME
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\$	\$	0							Hours	ΤΙΤLΕ	NAME
\$ -	\$	0							Hours	TITLE	NAME
TOTAL COSTS	HOURLY RATE	TOTAL HOURS							DATE		
	COSTS			ORKED	DATES AND HOURS WORKED	TES AND	DA			STAFF	
			n	5. Program						ork Performed	4. Purpose/Work Performed
Page Of			Covering	3. Period Covering		ber	2. Disaster Number	2. Dis		Т	1. APPLICANT
				Agency		igeme Imma	Emergency Management Labor Expense Summary	gency Expe	Emer(.abor	Georgia Emergency Management Labor Expense Summary	