VOLUME 2 Appendix 5-C

# REGION 5 NECHES 2023 REGIONAL FLOOD PLAN JULY 2023

PREPARED FOR THE REGION 5 NECHES FLOOD PLANNING GROUP **APPENDIX 5-C** 

FLOOD MANAGEMENT EVALUATIONS (FME), FLOOD MANAGEMENT STRATEGIES (FMS), AND FLOOD MITIGATION PROJECT ONE-PAGERS

Title Shelby County Master Drainage Plan

ID# 051000039 Sponsor Shelby (County) Reason for Complies with RFPG Goals

Recommended by RFPG? Yes

Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details	
Study type	Watershed Planning County Shelby
Study description	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.
FME to create new	v H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 160
of their d Goal 2: A their desi Goal 3: R new flood Goal 4: R new flood Goal 5: R	n average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of
100-Vear Flood	Risk Summary
Population at risk	
Flood risk type: Ri	
Farm/Ranch land	
# of low water cro	
Estimated Cost Total Cost \$1,250,000	Potential federal funding availability? Yes Potential Federal Funding Sources
	Contraction of the second seco

FME Area

Title Smith County Master Drainage Plan

ID# 051000040 Sponsor Smith (County) Reason for Complies with RFPG Goals

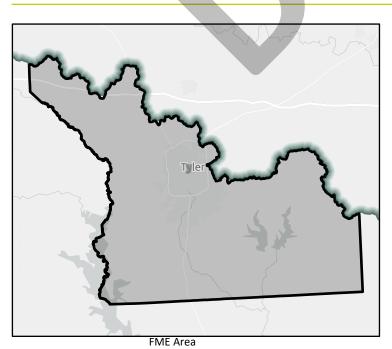
Recommended by RFPG? Yes

Reason for Complies with RFPG Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

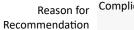
			and the second			
Study Details						
Study type V	Watershed Pla	inning		Соц	inty Smith	
		-	•	flood risk, develop conceptual alter nceptual alternatives should evaluat		•
FME to create new H	H&H model?	Yes Emer	gency Need? Yes	Anticipated models in near te	rm? Yes Drainage ar	rea (sq. mi., est.) 510
their design Goal 3: RFF new flood I Goal 4: RFF new flood I Goal 5: Rec	average of 25 n. PG must consi risk reduction PG must consi risk reduction duce the num	der in all projec projects betwo der in all projec projects betwo ber of critical fa	ets and should inc een 2023 - 2033. ets and should inc een 2033 - 2053. ncilities in the 100	ture projects between 2033- 2053 w corporate nature-based practices an corporate nature-based practices an -year flood risk inundation extents -year flood risk inundation extents	d floodplain preservatior d floodplain preservatior by 15%.	n in an average of 10% of their
100-Year Flood R	Risk Summa	iry				
Population at risk 8	8,524		# of struct	cures 2,347	# of critical facilities 72	
Flood risk type: Rive	erine? Yes	Сс	oastal? No	Local Flooding? Yes	Other? Yes	
Farm/Ranch land im	npacted (ac.)	216		Roadways impacted (miles)	50	
# of low water cross	sings	42		# of historical road closures	42	
Estimated Cost a	and Funding	Availability				





Title Trinity County Master Drainage Plan

ID#	051000041	Sponsor	Trinity (County)	
Door	mmondod h		Reason for	Complies with RFPG Goals
Recommended by RFPG? Yes			Decommondation	





### **REGIONAL FLOOD PLANNING GROUP**

Study Details						
Study type	Watershed Plan	ining		Cou	nty Trinity	
Study description					natives to reduce flood risk, develop OPC e feasibility of nature based solutions.	C for
FME to create new	v H&H model? Y	es Emergency	Need? Yes Antic	ipated models in near ter	m? Yes Drainage area (sq. mi., est.	) 342
of their d Goal 2: A their desi Goal 3: R new flood Goal 4: R new flood Goal 5: R	esign. n average of 25% ign. FPG must consid d risk reduction p FPG must consid d risk reduction p educe the numb	6 of the new regional ler in all projects and projects between 20 ler in all projects and projects between 20 er of critical facilitie	al infrastructure projec d should incorporate n 023 - 2033. d should incorporate n 033 - 2053. es in the 100-year flood	ts between 2033- 2053 w ature-based practices and	•	r) as the basis of of 10% of their
100-Year Flood	Risk Summar	γ				
Population at risk	15		# of structures 32		# of critical facilities 0	
Flood risk type: Ri	iverine? Yes	Coastal?	? No Local	Flooding? Yes	Other? No	
Farm/Ranch land i	impacted (ac.)	68	Ro	adways impacted (miles)	22	
# of low water cro	ossings	1	# 0	of historical road closures	1	
Estimated Cost	and Funding	Availability				
Total Cost <sup>\$481,324</sup>		Potential federal funding availability?	, Yes	Potential Federal Funding Sources	-	
		E.	Lui	Dallas		LOUISIANA

41 of 157

Regional view of FME area

Houston

Title Tyler County Master Drainage Plan

ID# 051000042 Sponsor Tyler (County)

Recommended by RFPG? Yes

Reason for Recommendation Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details		
Study type	Watershed Planning County Tyler	
Study description	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature b	
FME to create new	new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage a	area (sq. mi., est.) 932
of their d Goal 2: A their desi Goal 3: R new flood Goal 4: R new flood Goal 5: R	: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm e	events (>100-year) as the basis on in an average of 10% of their
100-Year Flood	od Risk Summary	
Population at risk	isk 329 # of structures 545 # of critical facilities 0	
Flood risk type: Ri	: Riverine? Yes Coastal? No Local Flooding? No Other? Yes	
Farm/Ranch land i	nd impacted (ac.) 82 Roadways impacted (miles) 42	
# of low water cro	crossings 8 # of historical road closures 8	
Estimated Cost Total Cost \$700,000	Dest and Funding Availability Potential federal funding availability? Yes Potential Federal Funding Sources	
	Jasper	LOUISIAN

FME Area

42 of 157

Regional view of FME area

Houston

Title Van Zandt County Master Drainage Plan

ID#	051000043	Sponsor	Van Zandt (County)	
Reco	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



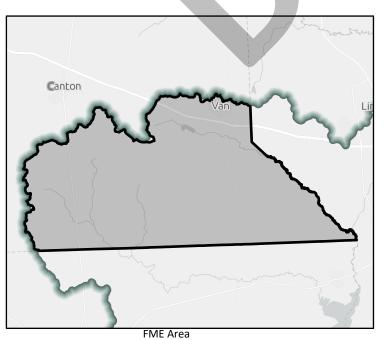
### **REGIONAL FLOOD PLANNING GROUP**

Study Details								
Study type	udy type Watershed Planning County Van Zandt							
						tives to reduce flood i feasibility of nature ba		
FME to create new	H&H model?	es Emer	gency Need? Yes	Anticipated mode	els in near term	1? Yes Drainage a	irea (sq. mi., e	st.) 244
of their de Goal 2: An their desig Goal 3: RF new flood Goal 4: RF new flood Goal 5: Re	sign. average of 25% gn. PG must consid risk reduction p PG must consid risk reduction p duce the numb	6 of the new r er in all projec projects betwo er in all projec projects betwo er of critical fa	egional infrastructure cts and should incorp een 2023 - 2033.	e projects between porate nature-based porate nature-based ar flood risk inunda	2033- 2053 wil practices and practices and tion extents by		vents (>100-ye	ear) as the basis of e of 10% of their
100-Year Flood I	Risk Summar	у						
Population at risk	233		# of structure	es 217	#	of critical facilities 0		
Flood risk type: Riv	verine? Yes	Co	oastal? No	Local Flooding?	/es	Other? Yes		
Farm/Ranch land ir	mpacted (ac.)	232		Roadways imp	acted (miles)	13		
# of low water cros	sings	0		# of historical r	oad closures	0		

#### Estimated Cost and Funding Availability

Total Cost \$484,386 Potential federal funding availability? Yes

Potential Federal FIF Grants; Local Funds Funding Sources





Regional view of FME area

43 of 157

Title City of Palestine Master Drainage Plan

ID#	051000044	Spor	nsor	Palestine (Municipali	,,
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

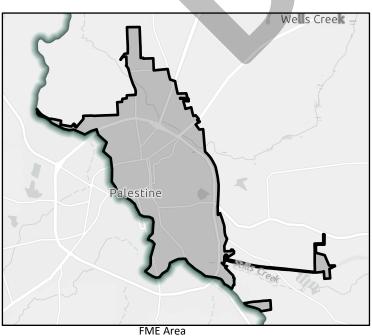
Study type       Watershed Planning       County Anderson         Study description       Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.         FME to create new H&H model? Yes       Emergency Need? Yes       Anticipated models in near term? No       Drainage area (sq. mi., est.) 7         Goal(s)       Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.       Drainage area (sq. mi., est.) 7         Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.       Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.         Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.       Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.         Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.	Study Details									
<ul> <li>conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.</li> <li>FME to create new H&amp;H model? Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 7</li> <li>Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.</li> <li>Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.</li> <li>Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.</li> <li>Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.</li> <li>Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.</li> <li>Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or</li> </ul>	Study type	Watershed Planning	Watershed Planning County Anderson							
<ul> <li>Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.</li> <li>Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.</li> <li>Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.</li> <li>Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.</li> <li>Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.</li> <li>Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or</li> </ul>	Study description									
<ul> <li>new flood risk reduction projects between 2023 - 2033.</li> <li>Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.</li> <li>Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.</li> <li>Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.</li> <li>Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.</li> <li>Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or</li> </ul>	FME to create nev	v H&H model? Yes	Emergency Need? Yes	Anticipated mod	els in near term? No	Drainage area (sq. mi., est.) 7				
	<ul> <li>new flood risk reduction projects between 2023 - 2033.</li> <li>Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.</li> <li>Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.</li> <li>Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.</li> <li>Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.</li> <li>Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or</li> </ul>									

#### **100-Year Flood Risk Summary**

Flood risk type: Riverine?       Yes       Coastal?       No       Local Flooding?       Yes       Other?       No         Farm/Ranch land impacted (ac.)       2       Roadways impacted (miles)       2	Population at risk 42	# of structur	res 14	# of critical facilities 0
Farm/Ranch land impacted (ac.)   2   Roadways impacted (miles)   2	Flood risk type: Riverine? Yes	Coastal? No	Local Flooding? Yes	Other? No
	Farm/Ranch land impacted (ac.)		Roadways impacted (miles)	2
# of low water crossings 2 # of historical road closures 2	# of low water crossings		# of historical road closures	2

#### **Estimated Cost and Funding Availability**

Total Cost \$700,000	Potential federal funding availability?	Potential Federal _ Funding Sources





Title City of Lufkin Master Drainage Plan

ID#	051000045	Sponsor	Lufkin (Municipality)	
Reco	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details	
Study type	Watershed Planning County Angelina
Study description	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.
FME to create new	w H&H model? Yes       Emergency Need? Yes       Anticipated models in near term? No       Drainage area (sq. mi., est.) 35
new floo	RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their od risk reduction projects between 2023 - 2033.
	RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their od risk reduction projects between 2033 - 2053.
	Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
	Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
	Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or
	se providing flood protection to 10% of structures.
Goal 6: F	Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or

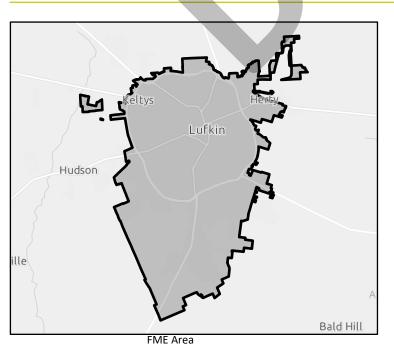
otherwise providing flood protection to 30% of structures.

#### **100-Year Flood Risk Summary**

Flood risk type: Riverine? Yes       Coastal? No       Local Flooding? Yes       Other? Yes         Farm/Ranch land impacted (ac.)       3       Roadways impacted (miles)       23         # of low water crossings       12       # of historical road closures       12	Population at risk 7,464		# of structure	es 868	# of critical facilities 5
	Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? Yes	Other? Yes
# of low water crossings 12 # of historical road closures 12	Farm/Ranch land impacted (ac.)	3		Roadways impacted (miles)	23
	# of low water crossings	12		# of historical road closures	12

#### **Estimated Cost and Funding Availability**

Total Cost \$1,000,000 Potential federal funding availability? Yes



Potential Federal HMGP, PDM, FMA, budget Funding Sources



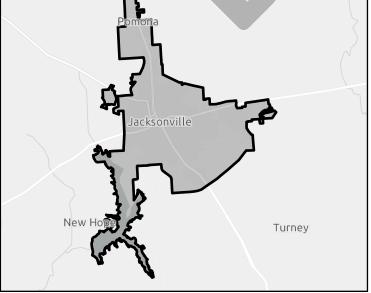
Title City of Jacksonville Master Drainage Plan

ID#	051000046	Spo	nsor	Jacksonville (Municip	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details								
Study type	Watershed Plar	nning			Count	ty Cherokee		
Study description		-		e flood risk, develop conce onceptual alternatives sho				
FME to create new	w H&H model?	Yes Emer	rgency Need? Ye	es Anticipated model	ls in near term؛	n? No Draina	ge area (sq. 1	mi., est.) 17
Goal 2: R new flood Goal 3: R Goal 4: R Goal 5: R otherwise Goal 6: R	od risk reduction   Reduce the numb Reduce the numb Reduce exposure se providing flooc	der in all project projects betwee ber of critical factor ber of critical factor of existing and of protection to e of existing and	cts and should in een 2033 - 2053. acilities in the 100 acilities in the 100 d future structure o 10% of structure d future structure	ncorporate nature-based 00-year flood risk inundati 00-year flood risk inundati res in the 100-year flood r res. res in the 100-year flood r	tion extents by tion extents by risk inundation	15%. 25%. n extents by elevat	ing, acquirin	g, relocating, or
100-Year Flood		ry	11 - 6 et m.					
Population at risk				ctures 367		of critical facilities	\$ O	
Flood risk type: Ri	liverine? Yes	Co	oastal? No	Local Flooding? Ye	'es	Other? No		
Farm/Ranch land	impacted (ac.)	5		Roadways impa	acted (miles)	4		
# of low water cro	ossings	7		# of historical ro	oad closures	7		
Estimated Cost	t and Funding	Availability						
Total Cost \$560,000		Potential federa funding availab	Vac		ential Federal . ding Sources	-		
	Б				llas			





FME Area

Title City of Rusk Master Drainage Plan

ID#	051000047	Sponsor	Rusk (Municipality)	
			Baasan far	Complies with RFPG Goals
Reco	ommended by	REPG? Voc	Reason for	· · · · · · · · · · · · · · · · · · ·
neec	minicinaca by	inito: ies	Recommendation	



### **REGIONAL FLOOD PLANNING GROUP**

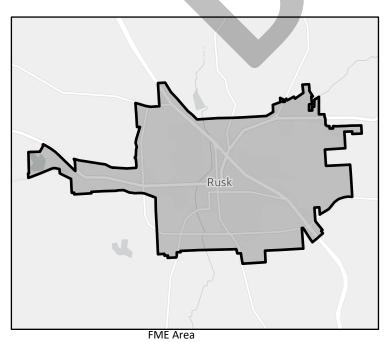
	Watershed Planning			County Cherokee	
Study description	· · · · · · ·		od risk, develop conceptual al eptual alternatives should eval		
FME to create nev	v H&H model? Yes	Emergency Need? No	Anticipated models in near	term? No Drainage	area (sq. mi., est.) 7
new floo Goal 2: R	d risk reduction projects	between 2023 - 2033. projects and should incor			on in an average of 10% of their on in an average of 25% of their

Population at risk 462		# of structure	es 41	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? Yes	Other? No
Farm/Ranch land impacted (ac.)	2		Roadways impacted (miles)	) 2
# of low water crossings	0		# of historical road closures	s 0

#### Estimated Cost and Funding Availability

Total Cost \$280,000 Potential federal funding availability? Yes

Potential Federal . Funding Sources





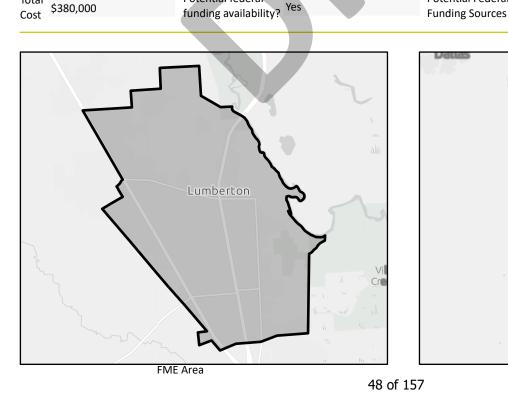
Title City of Lumberton Master Drainage Plan

ID#	051000048	Spo	nsor	Lumberton (Municip	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details							
Study type Wate	ershed Plan	ning			County Hard	lin	
						e reduce flood risk, deve ity of nature based solu	
ME to create new H&H	I model? Y	/es Em	ergency Need? Yes	s Anticipated mod	els in near term? Yes	Drainage area (sq.	mi., est.) 11
new flood risk Goal 2: RFPG n new flood risk Goal 3: Reduce Goal 4: Reduce Goal 5: Reduce otherwise prov Goal 6: Reduce	reduction p nust consid reduction p the numb the numb e exposure viding flood e exposure	projects bet er in all pro projects bet er of critical er of critical of existing a l protection of existing a	ween 2023 - 2033. jects and should inc ween 2033 - 2053. I facilities in the 100 I facilities in the 100 and future structure to 10% of structure	corporate nature-based )-year flood risk inunda )-year flood risk inunda is in the 100-year flood es. is in the 100-year flood	f practices and floodpl tion extents by 15%. tion extents by 25%. risk inundation exten	ain preservation in an a ain preservation in an a ts by elevating, acquirin ts by elevating, acquirin	average of 25% of theing, relocating, or
100-Year Flood Risk	Summar	У					
Population at risk 631			# of struc	tures 230	# of criti	cal facilities 0	
Flood risk type: Riverin	e? Yes		Coastal? No	Local Flooding?	No Othe	er? Yes	
Farm/Ranch land impac	ted (ac.)	6		Roadways imp	acted (miles) 4		
# of low water crossing	S	1		# of historical	road closures 1		
Estimated Cost and							
Lotinated Cost and	Funding <i>I</i>	Availabilit	y				





Title City of Rose Hill Acres Master Drainage Plan

ID#	051000049	Spo	nsor	Rose Hill Acres (Mun	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



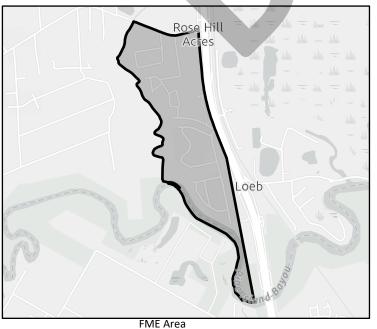
### **REGIONAL FLOOD PLANNING GROUP**

Study Details					
Study type	Watershed Planning		County Hardin	ı	
Study description	Develop drainage study to id possible MOU to implement	entify flood mitigation measures improvements.	and drainage improvements in	cluding purchase of easeme	ents in the ETJ or a
FME to create new	v H&H model? Yes Eme	rgency Need? Yes Anticipat	ed models in near term? No	Drainage area (sq. mi., es	st.) 0
new floo Goal 2: R new floo Goal 3: R Goal 4: R Goal 5: R otherwis Goal 6: R	d risk reduction projects betw FPG must consider in all proje d risk reduction projects betw educe the number of critical f educe the number of critical f educe exposure of existing an e providing flood protection to	cts and should incorporate nature een 2033 - 2053. acilities in the 100-year flood risl acilities in the 100-year flood risl d future structures in the 100-ye o 10% of structures. d future structures in the 100-ye	re-based practices and floodplai k inundation extents by 15%. k inundation extents by 25%. ar flood risk inundation extents	in preservation in an averag by elevating, acquiring, relo	e of 25% of their ocating, or
100-Year Flood	Risk Summary				
Population at risk	237	# of structures 129	# of critica	al facilities 0	

Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? No	
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	2	
# of low water crossings	0		# of historical road closures	0	

#### **Estimated Cost and Funding Availability**

Total Cost \$200,000	Potential federal funding availability?	Potential Federal _ Funding Sources





Title City of Silsbee Master Drainage Plan

 ID#
 051000050
 Sponsor
 Silsbee (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details	
Study type	Watershed Planning County Hardin
Study description	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.
FME to create new	ew H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 8
new flood Goal 2: Ri new flood Goal 3: Re Goal 4: Re Goal 5: Re otherwise Goal 6: Re	RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of the od risk reduction projects between 2023 - 2033. RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of the od risk reduction projects between 2033 - 2053. Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%. Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%. Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or ise providing flood protection to 10% of structures. Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or ise providing flood protection to 30% of structures.
	d Risk Summary
Population at risk	k 778 # of structures 88 # of critical facilities 2
Flood risk type: Ri	Riverine? Yes Coastal? No Local Flooding? No Other? Yes
Farm/Ranch land i	d impacted (ac.) 1 Roadways impacted (miles) 2
# of low water cro	rossings 3 # of historical road closures 3
Estimated Cost Total Cost \$320,000	st and Funding Availability Potential federal funding availability? Yes Funding Sources
	Silsbee

FME Area

Regional view of FME area

Houston

50 of 157

Title City of Athens Master Drainage Plan

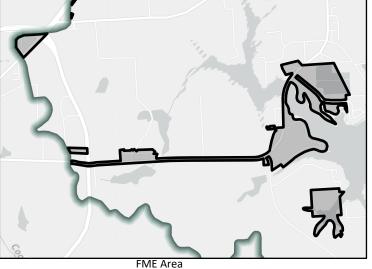
 
 ID#
 051000051
 Sponsor
 Athens (Municipality)

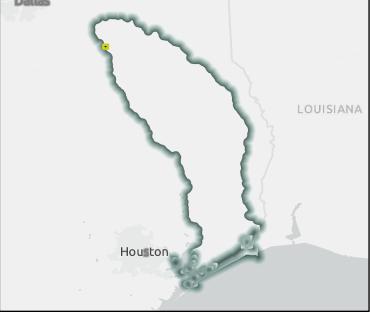
 Recommended by RFPG?
 Yes
 Reason for Recommendation
 Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

and the second secon						
Study Details						
Study type	Watershed Pla	inning		Cour	nty Henderson	
Study description				d risk, develop conceptual altern otual alternatives should evaluate		
FME to create new	v H&H model?	Yes Emergency	Need? No	Anticipated models in near terr	m? No Drainage are	ea (sq. mi., est.) 1
new flood Goal 2: R new flood Goal 3: R Goal 4: R Goal 5: R otherwise Goal 6: R	d risk reduction FPG must consid d risk reduction leduce the numl leduce the numl leduce exposure le providing floo leduce exposure	projects between 20 der in all projects and projects between 20 ber of critical facilities ber of critical facilities of existing and futur of protection to 10% of	23 - 2033. I should incorpo 33 - 2053. s in the 100-yea s in the 100-yea e structures in of structures. e structures in	orate nature-based practices and orate nature-based practices and ar flood risk inundation extents b ar flood risk inundation extents b the 100-year flood risk inundatio the 100-year flood risk inundatio	floodplain preservation y 15%. y 25%. n extents by elevating, a	in an average of 25% of their cquiring, relocating, or
100-Year Flood	l Risk Summa	ıry				
Population at risk	0		# of structures	s 0	# of critical facilities 0	
Flood risk type: Ri	iverine? Yes	Coastal?	No	Local Flooding? Yes	Other? No	
Farm/Ranch land	impacted (ac.)	0		Roadways impacted (miles)	0	
# of low water cro	ossings	0		# of historical road closures	0	
Estimated Cost	and Funding	, Availability				
Total Cost \$31,056		Potential federal funding availability?	Yes	Potential Federal Funding Sources	-	
		Club Lake		Dattas		





51 of 157

Title City of Jasper Master Drainage Plan

ID#	051000052	Spo	nsor	Jasper (Municipality)	
Door	man and ad hu			Reason for	Complies with RFPG Goals
Recommended by RFPG? Yes		res	Recommendation		



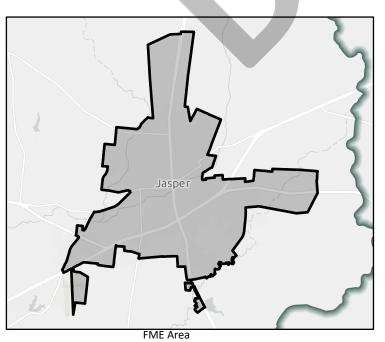
### **REGIONAL FLOOD PLANNING GROUP**

Study Details				
Study type	Watershed Planning		County Jasper	r
Study description	0	dentify and define flood risk, develop of I rank projects. Conceptual alternatives	•	
FME to create new	w H&H model? Yes Eme	ergency Need? Yes Anticipated me	odels in near term? No	Drainage area (sq. mi., est.) 11
new floc Goal 2: F new floc Goal 3: F Goal 4: F Goal 5: F otherwis Goal 6: F	od risk reduction projects betw RFPG must consider in all projects od risk reduction projects betw Reduce the number of critical Reduce the number of critical Reduce exposure of existing ar se providing flood protection t	veen 2023 - 2033. ects and should incorporate nature-bas veen 2033 - 2053. facilities in the 100-year flood risk inun facilities in the 100-year flood risk inun nd future structures in the 100-year flo to 10% of structures. nd future structures in the 100-year flo	ed practices and floodplai dation extents by 15%. dation extents by 25%. od risk inundation extents	
100-Year Flood	l Risk Summary			
Dopulation at rick		# of structures 171	# of critics	al facilities 7

Population at risk 1,141	# of structures 171	# of critical facilities 7
Flood risk type: Riverine? Yes	Coastal? No Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.) 2	Roadways impacted	l (miles) 6
# of low water crossings 2	# of historical road of	closures 2

#### Estimated Cost and Funding Availability

Total<br/>CostPotential federal<br/>funding availability?Potential federal<br/>Funding Sources





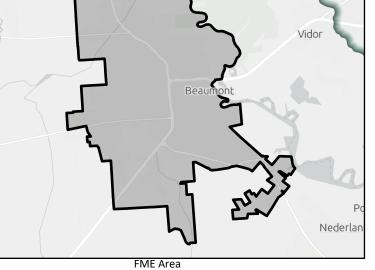
Title City of Beaumont Master Drainage Plan

ID#	051000053	Spo	nsor	Beaumont (Municipa	,,
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details									
Study type	Watershed Pla	anning			Coun	nty Jefferson			
Study description		modeling to identify ternatives, and rank							or
FME to create new	v H&H model?	Yes Emergenc	y Need? Yes	Anticipated mo	dels in near terr	m? Yes Dr	ainage area (s	q. mi., est.) 8	5
new flood Goal 2: R new flood Goal 3: R Goal 4: R Goal 5: R otherwise Goal 6: R	d risk reduction FPG must consi d risk reduction teduce the num teduce the num deduce exposure te providing floc teduce exposure	ider in all projects ar n projects between 2 ider in all projects ar n projects between 2 ber of critical faciliti ber of critical faciliti ber of critical faciliti e of existing and futu od protection to 10% e of existing and futu	023 - 2033. Ind should incorp 033 - 2053. les in the 100-ye les in the 100-ye ure structures in 5 of structures. ure structures in	porate nature-base ear flood risk inund ear flood risk inund n the 100-year floo	ed practices and lation extents by lation extents by d risk inundation	floodplain pre y 15%. y 25%. n extents by el	eservation in a	n average of 2 ring, relocatin	15% of their 1g, or
100-Year Flood	Risk Summa	ary							
Population at risk	12,713		# of structure	es 2,546	ŧ	# of critical faci	ilities 16		
Flood risk type: Ri	iverine? Yes	Coasta	l? Yes	Local Flooding?	No	Other? Yes			
Farm/Ranch land	impacted (ac.)	120		Roadways im	pacted (miles)	55			
# of low water cro	ossings	4		# of historica	I road closures	4			
Estimated Cost	and Funding	g Availability							
Total Cost \$600,000		Potential federal funding availability	? Yes		tential Federal nding Sources	-			
person	<sup>م</sup> رم	سمحر	Vidor		Adlies	$\sum_{i=1}^{n}$			





53 of 157

Title City of Nederland Master Drainage Plan

ID#	051000054	Spo	nsor	Nederland (Municipa	,,
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

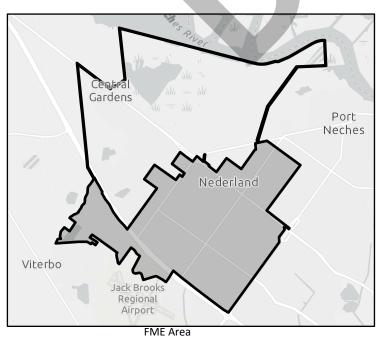
Study type	Watershed Planning	County Jefferson					
Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.							
FME to create new	H&H model? Yes Emergency Need? Yes Anticipated mode	els in near term? No Drainage area (sq. mi., est.) 6					
new flood Goal 2: R new flood Goal 3: R	FPG must consider in all projects and should incorporate nature-based d risk reduction projects between 2023 - 2033. FPG must consider in all projects and should incorporate nature-based d risk reduction projects between 2033 - 2053. educe the number of critical facilities in the 100-year flood risk inunda educe the number of critical facilities in the 100-year flood risk inunda	d practices and floodplain preservation in an average of 25% of their attion extents by 15%.					

Flood risk type: Riverine? Yes       Coastal? Yes       Local Flooding? No       Other? Yes         Farm/Ranch land impacted (ac.)       1       Roadways impacted (miles)       3         # of low water crossings       0       # of historical road closures       0	Population at risk 1,050	# of structures 381	# of critical facilities 3
	Flood risk type: Riverine? Yes	Coastal? Yes Local Flooding? No	Other? Yes
# of low water crossings 0 # of historical road closures 0	Farm/Ranch land impacted (ac.) 1	Roadways impacted (miles)	3
	# of low water crossings 0	# of historical road closures	0

#### Estimated Cost and Funding Availability

Total Cost \$240,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





Regional view of FME area

54 of 157

Title City of Nacogdoches Update Flood Control Study

ID#	051000055	Spo	nsor	Nacogdoches (Munic	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details		
Study type	Watershed Planning	County Nacogdoches
Study description	n Conduct Flood Control Study and implement actions such as channelization	on, detention, retention, etc to stop repetitive flood losses.
FME to create nev	ew H&H model? Yes Emergency Need? Yes Anticipated models in	n near term? Yes Drainage area (sq. mi., est.) 28
new floo Goal 2: R new floo Goal 3: R Goal 4: R Goal 5: R otherwis Goal 6: R	RFPG must consider in all projects and should incorporate nature-based prac od risk reduction projects between 2023 - 2033. RFPG must consider in all projects and should incorporate nature-based prac od risk reduction projects between 2033 - 2053. Reduce the number of critical facilities in the 100-year flood risk inundation Reduce the number of critical facilities in the 100-year flood risk inundation Reduce exposure of existing and future structures in the 100-year flood risk ise providing flood protection to 10% of structures. Reduce exposure of existing and future structures in the 100-year flood risk ise providing flood protection to 30% of structures.	ctices and floodplain preservation in an average of 25% of their extents by 15%. extents by 25%. inundation extents by elevating, acquiring, relocating, or

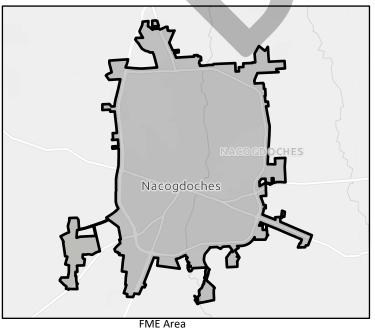
#### **100-Year Flood Risk Summary**

	Population at risk 5,331		# of structure	es 446	# of critical facilities 1		
	Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? Yes	Other? No		
Farm/Ranch land impacted (ac.) 4 Roadways impacted (miles) 14	Farm/Ranch land impacted (ac.)	4		Roadways impacted (miles)	) 14		
# of low water crossings 0 # of historical road closures 0	# of low water crossings	0		# of historical road closures	5 0		

#### **Estimated Cost and Funding Availability**

Total \$1,080,000 Cost

Potential federal funding availability? Yes Potential Federal **Funding Sources** 





Title City of Henderson Master Drainage Plan

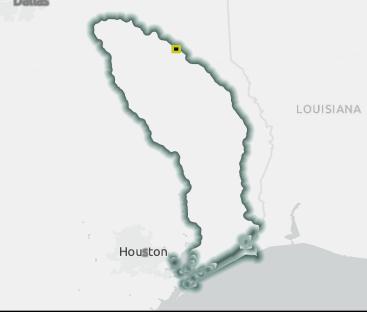
ID#	051000056	Spo	nsor	Henderson (Municip	,,
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details								
Study type	Watershed Pla	nning			Count	y Rusk		
Study description		modeling to identify ernatives, and rank p						
FME to create new	w H&H model?	Yes Emergency	Need? No	Anticipated mode	ls in near term	? No Drainag	ge area (sq. i	mi., est.) 10
Goal 2: R new floo Goal 3: R Goal 4: R Goal 5: R otherwis Goal 6: R	RFPG must consid and risk reduction Reduce the numb Reduce the numb Reduce exposure se providing floor Reduce exposure	projects between 20 der in all projects and projects between 20 ber of critical facilitie ber of critical facilitie of existing and futur of protection to 10% of existing and futur of protection to 30%	d should incorpo 133 - 2053. s in the 100-yea s in the 100-yea re structures in t of structures. re structures in t	ar flood risk inundat ar flood risk inundat the 100-year flood i	ion extents by ion extents by risk inundation	15%. 25%. extents by elevati	ng, acquirin	g, relocating, or
100-Year Flood		ry				·		
Population at risk	97		# of structures	s 37	#	of critical facilities	0	
Flood risk type: R	iverine? Yes	Coastal	No	Local Flooding? Y	'es	Other? No		
Farm/Ranch land	impacted (ac.)	5		Roadways impa	acted (miles)	2		
# of low water cro	ossings	0		# of historical re	oad closures	0		
Estimated Cost	and Funding	Availability						
Total Cost \$480,000		Potential federal funding availability?	Yes		ntial Federal _ ling Sources			
	R			Da	uas	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		





Title City of Arp Master Drainage Plan

 ID#
 051000057
 Sponsor
 Arp (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Cturch - Dotoile				
Study Details Study type	Watershed Planr	ning	Cour	ty Smith
	Perform H&H mo	odeling to identify and define		atives to reduce flood risk, develop OPCC for
FME to create ne	w H&H model? Ye	es Emergency Need? N	o Anticipated models in near tern	n? No Drainage area (sq. mi., est.) 3
new floc Goal 2: I new floc Goal 3: I Goal 4: I Goal 5: I Goal 5: I otherwi: Goal 6: I	od risk reduction po RFPG must consider od risk reduction po Reduce the numbe Reduce the numbe Reduce exposure o se providing flood Reduce exposure o se providing flood	rojects between 2023 - 2033. r in all projects and should in rojects between 2033 - 2053. r of critical facilities in the 10 r of critical facilities in the 10 f existing and future structur protection to 10% of structur f existing and future structur protection to 30% of structur	ocorporate nature-based practices and 0-year flood risk inundation extents by 0-year flood risk inundation extents by es in the 100-year flood risk inundation res. es in the 100-year flood risk inundation	
	d Risk Summary			
Population at risl		# of struc		t of critical facilities 0
Flood risk type: I		Coastal? No	Local Flooding? Yes	Other? No
Farm/Ranch land		0	Roadways impacted (miles)	0
# of low water cr	ossings	0	# of historical road closures	0
Estimated Cos	t and Funding A	vailability		
Total Cost \$1,300,000	•	otential federal Inding availability? Yes	Potential Federal Funding Sources	-
5			The second secon	LOUISIA



Агр

Regional view of FME area

Houston

Title City of Tyler Master Drainage Plan

ID#	ID# 051000058 Sponsor		Tyler (Municipality)	
		Reason for	Complies with RFPG Goals	
Reco	ommended by	RFPG? Yes	Recommendation	



### **REGIONAL FLOOD PLANNING GROUP**

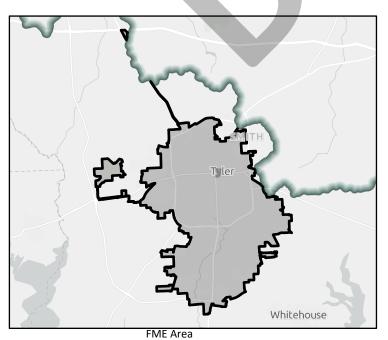
Study type	Watershed Planning		C	County Smith		
Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.						
FME to create new	H&H model? Yes	Emergency Need? Yes	Anticipated models in near	term? Yes	Drainage area (sq. mi., est.) 56	
<ul> <li>Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.</li> <li>Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.</li> <li>Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.</li> <li>Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.</li> <li>Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.</li> <li>Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.</li> </ul>						

Flood risk type: Riverine? YesCoastal? NoLocal Flooding? YesOther? NoFarm/Ranch land impacted (ac.)4Roadways impacted (miles)23# of low water crossings31# of historical road closures31	Population at risk 7,482	#	of structures 1,042	# of critical facilities 7	2
	Flood risk type: Riverine? Yes	Coastal?	No Local Flooding?	Yes Other? No	
# of low water crossings 31 # of historical road closures 31	Farm/Ranch land impacted (ac.)		Roadways in	npacted (miles) 23	
	# of low water crossings	1	# of historic	al road closures 31	

#### Estimated Cost and Funding Availability

Total Cost \$2,200,000 Potential federal funding availability? Yes

Potential Federal . Funding Sources





Title City of Whitehouse Master Drainage Plan

ID#	051000059	Sponso	or	Whitehouse (Munici	
Reco	ommended by	RFPG? Ye	s	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details							
Study type	Watershed Planning			County Smith			
Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develor conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based soluti							
FME to create nev	w H&H model? Yes Ei	mergency Need? Yes	Anticipated models	in near term? No	Drainage area (sq. mi., es	st.) 5	
<ul> <li>Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.</li> <li>Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.</li> <li>Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.</li> <li>Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.</li> <li>Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.</li> <li>Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.</li> </ul>							
100-Year Flood	l Risk Summary						
Population at risk	97	# of structures	s 36	# of critica	l facilities 0		
Flood risk type: R	iverine? Yes	Coastal? No	Local Flooding? Yes	Other?	No		
Farm/Ranch land	impacted (ac.) 2		Roadways impact	ed (miles) 1			

Estimated Cost and Funding Availability

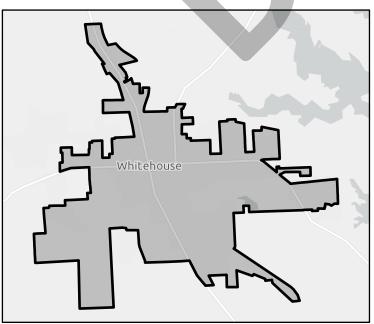
Total Cost \$150,000

# of low water crossings

Potential federal funding availability? Yes

Potential Federal Funding Sources 1

# of historical road closures



1



FME Area

Title Willie Nerron Road and Gillan Creek Bridge Replacement

 
 ID#
 051000060
 Sponsor
 Angelina (County)

 Recommended by RFPG?
 Yes
 Reason for Recommendation
 Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details	
Study type	Project Planning County Angelina
	Evaluate bridge improvements (upgrade bridge and increase channel flow) to current crossing to develop costs, quantify benefits, evaluat impacts, and begin design.
FME to create new	v H&H model? Yes Emergency Need? No Anticipated models in near term? Yes Drainage area (sq. mi., est.) 2
otherwise Goal 2: Re	educe exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or e providing flood protection to 10% of structures. educe exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or e providing flood protection to 30% of structures.
100-Year Flood	Risk Summary
Population at risk	0 # of structures 0 # of critical facilities 0
Flood risk type: Ri	iverine? Yes Coastal? No Local Flooding? No Other? No
Farm/Ranch land i	impacted (ac.) 0 Roadways impacted (miles) 0
# of low water cro	ossings 0 # of historical road closures 0
Total Cost \$325,000	Potential federal funding availability? Yes Funding Sources
	LOUISIAN.

60 of 157

Title Hall Street over White Oak Creek Bridge Improvements

 ID#
 051000061
 Sponsor
 Diboll (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details				
Study type	Project Planning		County	Angelina
Study description	Evaluate alternatives to	elevate bridge over White Oak	Creek on Hall St going into the	park
FME to create new	w H&H model? Yes	Emergency Need? Yes Ar	nticipated models in near term?	Yes Drainage area (sq. mi., est.) 41
otherwis Goal 2: R	e providing flood protected educe exposure of exist	tion to 10% of structures.		extents by elevating, acquiring, relocating, or extents by elevating, acquiring, relocating, or
100-Year Flood	l Risk Summary			
Population at risk	703	# of structures 15	5 # o	f critical facilities 6
Flood risk type: R	iverine? Yes	Coastal? No Lo	cal Flooding? Yes	Other? No
Farm/Ranch land	impacted (ac.) 15		Roadways impacted (miles)	7
# of low water cro	ossings 0		# of historical road closures	0
Estimated Cost	and Funding Availa			
Total Cost \$103,000		al federal availability? Yes	Potential Federal - Funding Sources	
		Burke	Dettes	Houston

FME Area

Title Preliminary Engineering of Gibsonville Street and Porterville Road Bridges Improvements

ID#	051000062	Spor	nsor	Huntington (Municip	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details						
Study type	Project Planning			Cou	nty Angelina	
Study description	Evaluate alterna	tives to raise bridges o	n Gibsonville St. and P	orterville Road to incr	ease flow of creek unde	۲ <b>۲.</b>
FME to create new	v H&H model? Ye	es Emergency Ne	ed? No Anticipa	ted models in near ter	m? No Drainage a	rea (sq. mi., est.) 48
otherwise Goal 2: Re	e providing flood educe exposure c	protection to 10% of s	tructures. tructures in the 100-ye			acquiring, relocating, or acquiring, relocating, or
100-Year Flood	Risk Summary	ý				
Population at risk	0	#	of structures 6		# of critical facilities 0	
Flood risk type: Ri	iverine? Yes	Coastal?	No Local Flo	oding? Yes	Other? No	
Farm/Ranch land i	impacted (ac.)	4	Roady	ways impacted (miles)	3	
# of low water cro	ossings	0	# of h	istorical road closures	0	
Estimated Cost	-	-				
Total Cost \$650,000		otential federal unding availability? Ye	5	Potential Federal Funding Sources	-	
Lufkin	ANGEL			Dettes	Houston	LOUISIANA

FME Area

62 of 157

Title Shawnee Creek Concrete Canal

ID#	051000063	Spor	nsor	Huntington (Municip	
Deee	una una a un al a al las.		.,	Reason for	Complies with RFPG Goals
Reco	ommended by	/ RFPG ?	Yes	Recommendation	



### **REGIONAL FLOOD PLANNING GROUP**

Study Details							
Study type	Project Planning County Angelina						
Study description	Evaluate project to quantify benefits, evaluate impacts, and begin design for a concrete canal for Shawnee Creek from Louisiana Street to 6th Street.						
FME to create new	H&H model? Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 40						
of their d	n average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of						
100-Year Flood	Risk Summary						
Population at risk	22   # of structures 17   # of critical facilities 0						
Flood risk type: Ri	verine? Yes Coastal? No Local Flooding? Yes Other? No						
Farm/Ranch land	mpacted (ac.) 5 Roadways impacted (miles) 2						
# of low water cro	ssings 2 # of historical road closures 2						
Estimated Cost Total Cost \$390,000	and Funding Availability Potential federal funding availability? Yes Potential Federal Funding Sources						
ANIGELINA,	httington Cavalla Manning						

FME Area

Title City of Lufkin Detention Pond Construction and Improvements

ID# 051000064 Sponsor Lufkin (Municipality) Recommended by RFPG? Yes Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

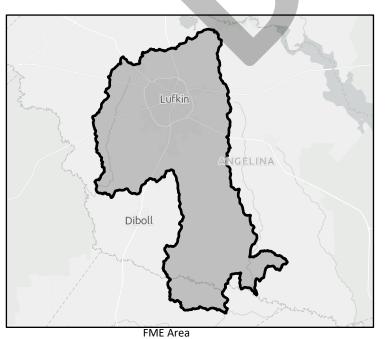
Study Details						
Study type	Project Plannin	g		Co	unty Angelina	
			penefits, evaluate impetention ponds throu		ention pond behind Inez Timms pro	operty. Increase
FME to create new	H&H model? ነ	es Eme	rgency Need? Yes	Anticipated models in near te	rm? No Drainage area (sq. m	i., est.) 220
of their de Goal 2: An their desig Goal 3: RFI new flood Goal 4: RFI new flood Goal 5: Ref	sign. average of 25% n. PG must consid risk reduction PG must consid risk reduction duce the numb	6 of the new r er in all proje projects betw er in all proje projects betw er of critical fa	egional infrastructur cts and should incorp een 2023 - 2033. cts and should incorp een 2033 - 2053. acilities in the 100-ye	e projects between 2033- 2053 porate nature-based practices ar	•	0-year) as the basis of grage of 10% of their
100-Year Flood F	Risk Summar	у				
Population at risk	7,640		# of structure	es 969	# of critical facilities 5	
Flood risk type: Riv	verine? Yes	C	oastal? No	Local Flooding? Yes	Other? Yes	
Farm/Ranch land ir	mpacted (ac.)	37		Roadways impacted (miles	34	
# of low water cros	sings	16		# of historical road closure	5 16	
Estimated Cost a	and Funding	Δvailability				

Potential Federal

**Funding Sources** 

#### Estimated Cost and Funding Availability

Total Cost \$82,500 Potential federal funding availability? Yes





Title Anahuac, North of Canal Drainage

ID#	051000065	Sponsor	Chambers (County)	
Reco	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details	
Study type	Project Planning County Chambers
Study description	Study to identify possible drainage improvements in the city limits of Anahuac. Study will focus on the area north of the Chambers-Liberty Counties Navigation District canal generally along N. Main Street, Texas Avenue, and Work Street.
FME to create new	v H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 139
of their d	n average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of
100-Year Flood	Risk Summary
Population at risk	1,134# of structures 949# of critical facilities 0
Flood risk type: Ri	iverine? Yes Coastal? Yes Local Flooding? No Other? Yes
Farm/Ranch land i	impacted (ac.) 10,886 Roadways impacted (miles) 59
# of low water cro	ossings 0 # of historical road closures 0
Estimated Cost	and Funding Availability
Total Cost \$100,000	Potential federal funding availability? Yes Potential Federal - Funding Sources
town	FM Fra

65 of 157

Title Dredging West Fork- Double Bayou

 ID#
 051000066
 Sponsor
 Chambers (County)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details				
Study type	Project Planning		(	County Chambers
Study description	Evaluate project to qua mouth to FM 562 bridg		mpacts, and begin design. Impro	ovements include dredging West Fork- Double Bayou from
FME to create nev	/ H&H model? Yes	Emergency Need? Yes	Anticipated models in near	term? Yes Drainage area (sq. mi., est.) 139
of their d	esign. n average of 25% of the	-		133 will utilize larger storm events (>100-year) as the basis 13 will utilize larger storm events (>100-year) as the basis of
100-Year Flood	Risk Summary			
Population at risk	1,134	# of struct	ures 949	# of critical facilities 0
Flood risk type: R	verine? Yes	Coastal? Yes	Local Flooding? No	Other? Yes
Farm/Ranch land	impacted (ac.) 10,88	6	Roadways impacted (mil	les) 59
# of low water cro	ossings 0		# of historical road closu	ires 0
Total Cost \$1,400,000		I federal availability?	Potential Fede Funding Source	
town			Delites	LOUISIANA

Title Spindletop Bayou Ditch Improvement

ID#	051000067	Sponsor	Chambers (County)	
_		B5B62	Reason for	Complies with RFPG Goals
Reco	ommended by	RFPG? Yes	Recommendation	



### **REGIONAL FLOOD PLANNING GROUP**

Study Details								
Study type	Project Planning County Chambers							
Study description	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include increasing IH10 crossings, enlarge ditches and create retention along the Spindletop Bayou in east Chambers County.							
FME to create new	w H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 302							
of their c	An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis o							
100-Year Flood	d Risk Summary							
Population at risk	k 162 # of structures 345 # of critical facilities 0							
Flood risk type: R	Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes							
Farm/Ranch land								
# of low water cro								
Estimated Cost	t and Funding Availability							
Total Cost \$1,500,000	D Potential federal Potential Federal - funding availability? Yes Funding Sources							
CHIAN	Winnie Stowell MEERS Anahuac Anahuac Metroo							

FME Area

Title North Anahuac Drainage

ID# 051000068 Sponsor Anahuac (Municipality) Complies with RFPG Goals Reason for Recommended by RFPG? Yes Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details			
Study type	Project Planning		County Chambers
Study description			pacts, and begin design. Improvements include expanding/repairing road ditches and the area north of Lonestar Canal.
FME to create new	H&H model? Yes	Emergency Need? Yes	Anticipated models in near term? Yes Drainage area (sq. mi., est.) 139
of their d	esign. n average of 25% of th	-	re projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis re projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis o
100-Year Flood	Risk Summary		
Population at risk	1,134	# of structure	es 949 # of critical facilities 0
Flood risk type: Ri	verine? Yes	Coastal? Yes	Local Flooding? No Other? Yes
Farm/Ranch land	impacted (ac.) 10,8	36	Roadways impacted (miles) 59
# of low water cro	ossings 0		# of historical road closures 0
Total Cost \$800,000		ial federal g availability? Yes	Potential Federal - Funding Sources
		3	Dattas

68 of 157

Title Southeast Drainage Ditch

 ID#
 051000069
 Sponsor
 Anahuac (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details	
Study type	Project Planning County Chambers
Study description	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossing upgrades from Benton Lane to FM 563.
FME to create new	w H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 139
of their d	n average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of
100-Year Flood	I Risk Summary
Population at risk	1,134 # of structures 949 # of critical facilities 0
Flood risk type: Ri	iverine? Yes Coastal? Yes Local Flooding? No Other? Yes
Farm/Ranch land	impacted (ac.) 10,886 Roadways impacted (miles) 59
# of low water cro	
Cost	funding availability? Tes Funding Sources
	FME Area 69 of 157

Title Southwest Anahuac Ditch

 ID#
 051000070
 Sponsor
 Anahuac (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details					
Study type	Project Planning County Chambers				
Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossin from Main Street to Bay.					
FME to create new	v H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 139				
of their d	n average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of				
100-Year Flood	Risk Summary				
Population at risk	1,134 # of structures 949 # of critical facilities 0				
Flood risk type: Ri	iverine? Yes Coastal? Yes Local Flooding? No Other? Yes				
Farm/Ranch land i	impacted (ac.) 10,886 Roadways impacted (miles) 59				
# of low water cro					
Cost	Funding availability? Tes Funding Sources				
	FME Area 70 of 157				

Title City of Lumberton Adler Ditch Drainage Improvements

ID# 051000071 Sponsor Lumberton (Municipality) Reason for Complies with RFPG Goals Recommended by RFPG? Yes Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details					
Study type	Project Planning			unty Hardin	
Study description	H&H Study to identify	valternatives for improvir	ng existing drainage of Adler Ditch		
FME to create nev	w H&H model? Yes	Emergency Need? Yes	Anticipated models in near te	erm? Yes Drainage area (sq.	mi., est.) 3
of their d Goal 2: A their des Goal 3: R otherwis Goal 4: R	design. In average of 25% of th ign. Reduce exposure of exis e providing flood prote reduce exposure of exis	e new regional infrastruc ting and future structure ection to 10% of structure	s in the 100-year flood risk inundat	will utilize larger storm events (> ion extents by elevating, acquirir	100-year) as the basis of ng, relocating, or
100-Year Flood	l Risk Summary				
Population at risk	27	# of struct	ures 2	# of critical facilities 0	
Flood risk type: R	iverine? Yes	Coastal? No	Local Flooding? No	Other? Yes	
Farm/Ranch land	impacted (ac.) 18		Roadways impacted (miles	) 0	
# of low water cro	ossings 0		# of historical road closure	s 0	
Estimated Cost	and Funding Availa	ability			
Total Cost \$100,000	Potent	ial federal g availability?	Potential Federa Funding Sources		
	FME Area	Lumbertor	Flet	Houston Regional view of FME ar	LOUISIANA

71 of 157

FME Area

Title City of Lumberton East Village Creek Parkway Drainage Improvements

 ID#
 051000072
 Sponsor
 Lumberton (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details				
Study type	Project Planning		County Hardi	n
Study description	H&H Study to identify al	ternatives for improving existing dr	ainage of East Village Creek Parkv	vay
FME to create new	v H&H model? Yes	Emergency Need? Yes Anticip	ated models in near term? No	Drainage area (sq. mi., est.) 2
otherwise Goal 2: R	e providing flood protecti	on to 10% of structures. g and future structures in the 100-		s by elevating, acquiring, relocating, or s by elevating, acquiring, relocating, or
100-Year Flood	Risk Summary			
Population at risk 82 # of structures 27 # of critical facilities 0				al facilities 0
Flood risk type: R	iverine? Yes	Coastal? No Local Fl	ooding? No Other	? Yes
Farm/Ranch land	impacted (ac.) 1	Road	dways impacted (miles) 1	
# of low water cro	ossings 1	# of	historical road closures 1	
Estimated Cost	and Funding Availab	lity		
Total Cost \$125,000	Potential funding a	federal vailability? Yes	Potential Federal _ Funding Sources	
Lumbert		Village Creek S	Hot	LOUISIANA

FME Area

Title City of Lumberton Greens Branch Ditch Western Extension

 ID#
 051000073
 Sponsor
 Lumberton (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details					
Study type	Project Planning	g		County Hardin	
Study description	H&H Study to id	lentify alternatives for impr	oving existing drainage of Green	s Branch Ditch	
FME to create nev	v H&H model? Y	Emergency Need?	Yes Anticipated models in r	near term? Yes Drainage area (sq. mi	., est.) 11
of their d Goal 2: A their des Goal 3: R otherwis Goal 4: R	lesign. In average of 25% ign. educe exposure of e providing flood educe exposure of	5 of the new regional infrast of existing and future struct protection to 10% of struct	ructure projects between 2033- ures in the 100-year flood risk ir ures. ures in the 100-year flood risk ir	- 2033 will utilize larger storm events (>10 2053 will utilize larger storm events (>10 nundation extents by elevating, acquiring, nundation extents by elevating, acquiring,	D-year) as the basis of relocating, or
100-Year Flood	l Risk Summar	у			
Population at risk	631	# of st	ructures 230	# of critical facilities 0	
Flood risk type: R	iverine? Yes	Coastal? No	Local Flooding? No	Other? Yes	
Farm/Ranch land	impacted (ac.)	6	Roadways impacted	(miles) 4	
# of low water cro	ossings	1	# of historical road c	losures 1	
Total Cost \$100,000		Potential federal unding availability? Yes	Potential Funding S		
		Lumberton		Houston	LOUISIANA

Title City of Lumberton Drainage Chance Cut Off Concrete Lining

ID# 051000074 Sponsor Lumberton (Municipality)
Recommended by RFPG? Yes Reason for Recommendation



## **REGIONAL FLOOD PLANNING GROUP**

Study Details							
Study type	Project Planning			Со	unty Hardin		
Study description	H&H Study to identify alterr	natives for improving e	xisting draina	ge of Chance Cut	Off		
FME to create nev	w H&H model? Yes Eme	ergency Need? Yes	Anticipated	models in near te	erm? No Drair	nage area (sq. mi., e	est.) 2
of their o Goal 2: A their des Goal 3: R otherwis Goal 4: R	an average of 25% of the new	regional infrastructure nd future structures in to 10% of structures. nd future structures in	e projects betw the 100-year	ween 2033- 2053 flood risk inundat	will utilize larger sto ion extents by elev	orm events (>100-y ating, acquiring, rel	ear) as the basis of ocating, or
100-Year Flood	Risk Summary						
Population at risk	71	# of structure	s 10		# of critical faciliti	ies 0	
Flood risk type: R	iverine? Yes	Coastal? No	Local Floodi	ng? No	Other? Yes		
Farm/Ranch land	impacted (ac.) 1		Roadway	s impacted (miles	) 0		
# of low water cro	ossings 0		# of histo	rical road closure	s 0		
Estimated Cost	and Funding Availability						
Total Cost \$50,000	Potential fed funding avail	Voc		Potential Federa Funding Sources			
Lumbert	on Fletcher			Pattas	Houston		LOUISIANA

74 of 157

Title City of Lumberton Detention Pond at FM 421

 ID#
 051000075
 Sponsor
 Lumberton (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Detai	ils		
Study type	Project Planni	County Hardin	
Study descript	tion H&H Study to	develop alternatives for detention at FM 421	
Goal(s) Goal of th Goal their Goal	eir design. 2: An average of 25 design. 3: Reduce the num	Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 1 % of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) a % of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) a ber of critical facilities in the 100-year flood risk inundation extents by 15%. Seer of critical facilities in the 100-year flood risk inundation extents by 25%.	as the basis
Population at	ood Risk Summa risk 1,123 pe: Riverine? Yes	ry # of structures 539 # of critical facilities 1 Coastal? No Local Flooding? No Other? Yes	
	and impacted (ac.)	10 Roadways impacted (miles) 10	
# of low wate		0 # of historical road closures 0	
Estimated C	Cost and Funding	Availability	
Total Cost \$50,000	0	Potential federal funding availability? Yes Funding Sources	
		Rose Hill Harris H	LOUISIANA

FME Area

75 of 157

Title City of Lumberton Elevate Taft Road and Brushy Creek Subdivision

ID# 051000076 Sponsor Lumberton (Municipality) Recommended by RFPG? Yes Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details					
Study type	Project Planning			nty Hardin	
Study description	H&H Study to identify a	ternatives for elevating Taft.	Road and Brushy Creek Subdiv	ision	
FME to create nev	w H&H model? Yes	Emergency Need? Yes	Anticipated models in near ter	m? No Drainage area (sq.	mi., est.) 0
otherwis Goal 2: R	e providing flood protect	ion to 10% of structures. ng and future structures in tl		on extents by elevating, acquirin	
100-Year Flood	l Risk Summary				
Population at risk	360	# of structures	130	# of critical facilities 0	
Flood risk type: R	iverine? Yes	Coastal? No	Local Flooding? No	Other? No	
Farm/Ranch land	impacted (ac.) 2		Roadways impacted (miles)	2	
# of low water cro	ossings 0		# of historical road closures	0	
Estimated Cost Total Cost \$75,000	: <b>and Funding Availab</b> Potential funding a		Potential Federal Funding Sources	-	
X			Dallas	Houston Beginnal view of EME are	LOUISIANA
	FME Area			Regional view of FME are	ea

Title City of Rose Hill Acres Flood Mitigation Improvements

 ID#
 051000077
 Sponsor
 Rose Hill Acres (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study Details				
Study type	Project Planning		County Hardin	n
Study description	Develop drainage stuc	ly to identify flood mitigation	n measures in and around Rose Hill Acres E	TJ.
FME to create new	w H&H model? Yes	Emergency Need? Yes	Anticipated models in near term? Yes	Drainage area (sq. mi., est.) 0

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 25%. Goal 6: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 75%.

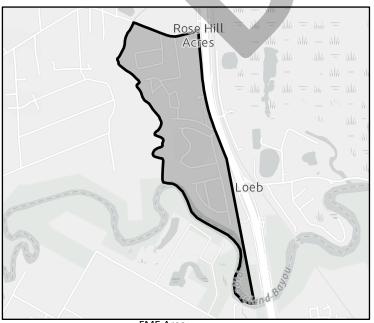
#### 100-Year Flood Risk Summary

مانصد

Population at risk 237		# of structure	es 129	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? No
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	2
# of low water crossings	0		# of historical road closures	0

### Estimated Cost and Funding Availability

Total<br/>CostPotential federal<br/>funding availability?Potential Federal<br/>Funding Sources





FME Area

Title City of Nacogdoches Flood Mitigation Project

ID#	051000078	Spo	nsor	Nacogdoches (Munic	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details								
Study type	Project Planning	County Nacogdoches						
Study description	H&H study to mitigate the wide-spread flooding that occurs alon	g LaNana and Banita Creeks in the City of Nacogdoches						
FME to create new	v H&H model? Yes Emergency Need? Yes Anticipated	models in near term? No Drainage area (sq. mi., est.) 28						
Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.								
	Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.							
	5	ased practices and floodplain preservation in an average of 10% of their						

new flood risk reduction projects between 2023 - 2033. Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 25%. Goal 6: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 75%.

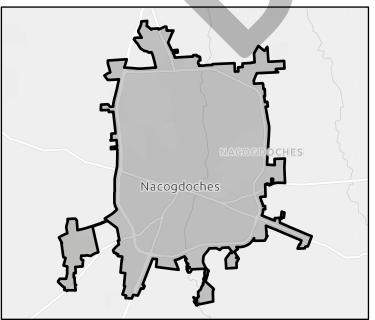
#### 100-Year Flood Risk Summary

Population at risk 5,331	# of structures 446	# of critical facilities 1
Flood risk type: Riverine? Yes	Coastal? No Local Flooding? Yes	Other? No
Farm/Ranch land impacted (ac.) 4	Roadways impacted (miles)	14
# of low water crossings 0	# of historical road closures	0

### **Estimated Cost and Funding Availability**

Total Cost \$100,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





FME Area

Title City of Rose Hill Acres Ditch Improvements

ID#	051000079	Spo	nsor	Rose Hill Acres (Mun	1 //
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details					
Study type	Project Planning			County Hardin	
Study description	H&H Study to identify all	ternatives for ditch imp	provements within Rose Hill	Acres	
FME to create new	H&H model? Yes	Emergency Need? Yes	Anticipated models in	near term? No Drainage	e area (sq. mi., est.) 0
of their de	esign. n average of 25% of the n				m events (>100-year) as the basis
100-Year Flood	Risk Summary				
Population at risk	237	# of struct	ures 129	# of critical facilities	0
Flood risk type: Ri	verine? Yes	Coastal? No	Local Flooding? No	Other? No	
Farm/Ranch land i	mpacted (ac.) 0		Roadways impacted	(miles) 2	
# of low water cro	ssings 0		# of historical road	closures 0	
Estimated Cost	and Funding Availabi	lity			
Total Cost \$50,000	Potential funding a	federal vailability? <sup>Yes</sup>	Potential Funding S	Federal - Sources	
	Rose H Acties		$   \begin{array}{c}                                     $	Houston	LOUISIANA

Title City of Rose Hill Acres Road and Bridge Elevation

ID#	051000080	Spo	nsor	Rose Hill Acres (Mun	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details							
Study type	Project Planning			Co	ounty Hardin		
Study description	H&H study to lo	cate roadways prone to flo	oding and identify	alternatives to impr	ove drainage.		
FME to create new	v H&H model? Ye	Emergency Need?	Yes Anticipate	ed models in near te	erm? No D	rainage area (sq. n	ni., est.) 0
otherwise Goal 2: Re	e providing flood educe exposure c	of existing and future struct protection to 10% of struct of existing and future struct protection to 30% of struct	ctures. ctures in the 100-yea				-
100-Year Flood	Risk Summar	/	R				
Population at risk	237	# of s	structures 129		# of critical fac	ilities 0	
Flood risk type: Ri	iverine? Yes	Coastal? No	Local Floo	ding? No	Other? No	)	
Farm/Ranch land i	impacted (ac.)	0	Roadw	ays impacted (miles	5) 2		
# of low water cro	ossings	0	# of his	storical road closure	es O		
Total Cost \$50,000		otential federal unding availability? Yes		Potential Federa Funding Sources			
		Rose Hill	$ \begin{array}{c} \eta \\ \eta \\ -\eta \\ -\eta \\ -\eta \\ -\eta \\ -\eta \\ -\eta \\ -$				LOUISIANA
S.	de -	A 100 100			Housto	n Baar	

Title City of Silsbee Easy Street Drainage Improvements

ID# 051000081 Sponsor Silsbee (Municipality) Complies with RFPG Goals Reason for Recommended by RFPG? Yes Recommendation



### **REGIONAL FLOOD PLANNING GROUP**

Study description FME to create new Goal(s) Goal 1: Re	H&H model? Yes duce exposure of exi providing flood prote		s Anticipated mo es in the 100-year floo es.	dels in near term?	ainage. No Drainage area (sq.	mi., est.) 4
FME to create new Goal(s) Goal 1: Re	H&H model? Yes duce exposure of exi providing flood proto duce exposure of exi	Emergency Need? Ye sting and future structure ection to 10% of structure sting and future structure	s Anticipated mo es in the 100-year floo es.	dels in near term?	No Drainage area (sq.	mi., est.) 4
Goal(s) Goal 1: Re	duce exposure of exi providing flood prote duce exposure of exi	sting and future structure ection to 10% of structure sting and future structure	es in the 100-year floc es.			mi., est.) 4
	providing flood prote duce exposure of exi	ection to 10% of structure sting and future structure	es.	d risk inundation ext	tauta hu alaustina assuisia	
		ection to 30% of structur		od risk inundation ex	tents by elevating, acquirir	
100-Year Flood	Risk Summary					
Population at risk	266	# of struc	tures 135	# of a	critical facilities 0	
Flood risk type: Riv	verine? Yes	Coastal? No	Local Flooding?	No O	ther? No	
Farm/Ranch land in	mpacted (ac.) 4		Roadways in	npacted (miles)	3	
# of low water cros	ssings 4		# of historica	al road closures	4	
Estimated Cost a	and Funding Avail					
Total Cost \$50,000		ial federal g availability? <sup>Yes</sup>		otential Federal _ Inding Sources		
Millace	FME Area				Hou_ton Regional view of FME ar	LOUISIANA

Title City of Vidor Schoolhouse Ditch Alternative B

ID# 051000082 Sponsor Orange (County) Recommended by RFPG? Yes Reason for Complies with RFPG Goals

Recommendation



## **REGIONAL FLOOD PLANNING GROUP**

Study Details					
Study type	Project Planning		Cour	nty Orange	
Study description	H&H study to identify	alternatives for Schoolhouse	Ditch		
	/ H&H model? Yes	Emergency Need? Yes	Anticipated models in near terr		
Goal(s) Goal 1: A	n average of 10% of the	enew regional infrastructure	projects between 2023 – 2033 v	vill utilize larger storm events	(>100-year) as the basis

of their design. Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

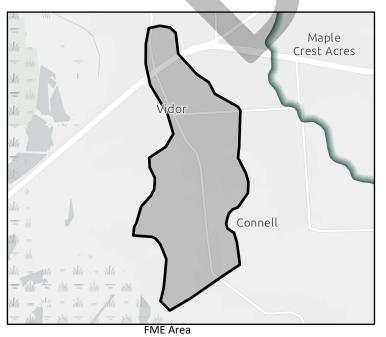
#### **100-Year Flood Risk Summary**

Population at risk 471	# of structu	res 150	# of critical facilities 0
Flood risk type: Riverine? Yes	Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.) 0		Roadways impacted (miles)	2
# of low water crossings 3		# of historical road closures	3

### Estimated Cost and Funding Availability

Total Cost \$100,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





Regional view of FME area

Title City of Vidor Schoolhouse Ditch Alternative C

ID# 051000083 Sponsor Orange (County) Recommended by RFPG? Yes Reason for Recommendation



## **REGIONAL FLOOD PLANNING GROUP**

Study Details						
Study type	Project Planning			County Orange		
Study descriptio	າ H&H study to identif	y alternatives for Schoolhous	e Ditch			
FME to create ne	w H&H model? Yes	Emergency Need? Yes	Anticipated models in nea	ar term? Yes	Drainage area (sq. mi., est.)	3
of their	design.	-			irger storm events (>100-year) ger storm events (>100-year) a	

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

### 100-Year Flood Risk Summary

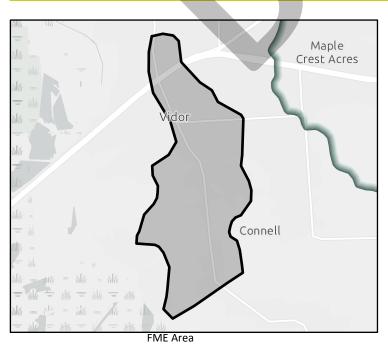
Population at risk 471	# of structu	res 150	# of critical facilities 0
Flood risk type: Riverine? Yes	Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.) 0		Roadways impacted (miles)	2
# of low water crossings 3		# of historical road closures	3

Potential Federal

**Funding Sources** 

### Estimated Cost and Funding Availability

Total Cost \$100,000 Potential federal funding availability? Yes





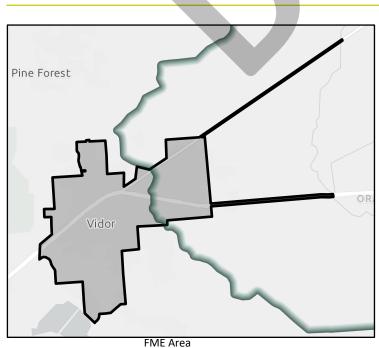
Title City of Vidor Drainage Improvements

ID# (	051000084	Sponsor	Orange (County)	
Recon	nmended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



### **REGIONAL FLOOD PLANNING GROUP**

Study Details						
Study type	Project Planni	ng		Соц	nty Orange	
Study description		-		lood risk, develop conceptual alteri ceptual alternatives should evaluat		
FME to create nev	w H&H model?	Yes Emer	gency Need? Yes	Anticipated models in near te	m? No Drainage area	a (sq. mi., est.) 10
their des Goal 3: R new floo	n average of 25 ign. IFPG must consi d risk reduction	der in all projec projects betwe	cts and should inco een 2023 - 2033.	ure projects between 2033- 2053 v orporate nature-based practices an	d floodplain preservation in	n an average of 10% of their
new floo Goal 5: R	d risk reduction Reduce the num	projects betwe ber of critical fa	een 2033 - 2053. acilities in the 100-	orporate nature-based practices an year flood risk inundation extents b year flood risk inundation extents b	ру 15%.	
new floo Goal 5: R	d risk reduction Reduce the num Reduce the num	projects betwe ber of critical fa ber of critical fa	een 2033 - 2053. acilities in the 100-	year flood risk inundation extents	ру 15%.	
new floo Goal 5: R Goal 6: R	d risk reduction educe the num educe the num	projects betwe ber of critical fa ber of critical fa	een 2033 - 2053. acilities in the 100-	year flood risk inundation extents year flood risk inundation extents	ру 15%.	
new floo Goal 5: R Goal 6: R 100-Year Flood	d risk reduction deduce the num deduce the num <b>l Risk Summa</b> 1,462	projects betwe ber of critical fa ber of critical fa	een 2033 - 2053. acilities in the 100- acilities in the 100-	year flood risk inundation extents year flood risk inundation extents	by 15%. by 25%.	
new floo Goal 5: R Goal 6: R <b>100-Year Flood</b> Population at risk	d risk reduction teduce the num teduce the num <b>I Risk Summa</b> 1,462 tiverine? Yes	projects betwe ber of critical fa ber of critical fa	een 2033 - 2053. acilities in the 100- acilities in the 100- # of structo	year flood risk inundation extents year flood risk inundation extents ures 541	by 15%. by 25%. # of critical facilities 1	
new floo Goal 5: R Goal 6: R <b>100-Year Flood</b> Population at risk Flood risk type: R	d risk reduction teduce the num educe the num I Risk Summa 1,462 tiverine? Yes impacted (ac.)	projects betwee ber of critical fa ber of critical fa Iry Co	een 2033 - 2053. acilities in the 100- acilities in the 100- # of structo	year flood risk inundation extents i year flood risk inundation extents i ures 541 Local Flooding? No	y 15%. by 25%. # of critical facilities 1 Other? Yes 13	
new floo Goal 5: R Goal 6: R <b>100-Year Flood</b> Population at risk Flood risk type: R Farm/Ranch land	d risk reduction teduce the num <b>l Risk Summa</b> 1,462 tiverine? Yes impacted (ac.) ossings	projects betwee ber of critical fa ber of critical fa Iry Co 1 5	een 2033 - 2053. acilities in the 100- acilities in the 100- # of structo	year flood risk inundation extents year flood risk inundation extents ures 541 Local Flooding? No Roadways impacted (miles)	y 15%. by 25%. # of critical facilities 1 Other? Yes 13	





Title Hardin County Black Creek Detention Pond

ID# 051000085 Sponsor Hardin (County) Recommended by RFPG? Yes Reason for Recommendation



## **REGIONAL FLOOD PLANNING GROUP**

Study Details								
Study type	Project Plannir	ng			County	Hardin		
Study description	H&H Study to	develop a	alternatives for deter	ntion at	Black Creek.			
FME to create new	H&H model?	Yes	Emergency Need?	Yes	Anticipated models in near term?	No	Drainage area (sq. mi., est.) 50	)

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

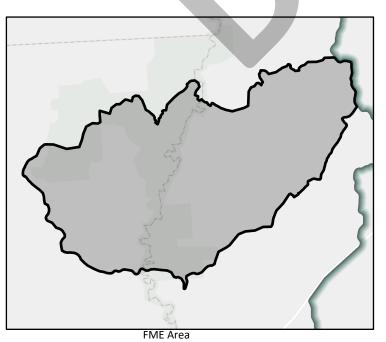
#### **100-Year Flood Risk Summary**

Population at risk 17		# of structure	es 23	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? No
Farm/Ranch land impacted (ac.)	15		Roadways impacted (miles)	8
# of low water crossings	0		# of historical road closures	0

### **Estimated Cost and Funding Availability**

Total Cost \$150,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





Title Hardin County Boggy Creek Detention Pond

ID# 051000086 Sponsor Hardin (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes Recommendation



## **REGIONAL FLOOD PLANNING GROUP**

Study Details	S				
Study type	Project Planning			County Hardin	
Study descripti	on H&H Study to develop	o alternatives for detention o	n Boggy Creek.		
FME to create	new H&H model? Yes	Emergency Need? Yes	Anticipated mod	lels in near term? No	Drainage area (sq. mi., est.) 43
of the Goal 2 their o	ir design. 2: An average of 25% of th design.	e new regional infrastructure	e projects betweer	2033- 2053 will utilize la	larger storm events (>100-year) as the basis arger storm events (>100-year) as the basis of n preservation in an average of 10% of their

new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

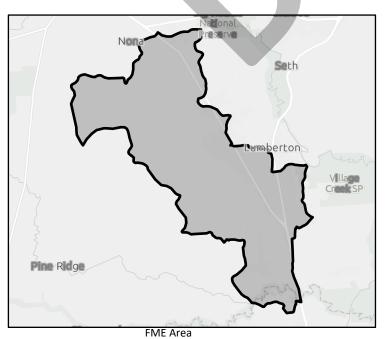
### **100-Year Flood Risk Summary**

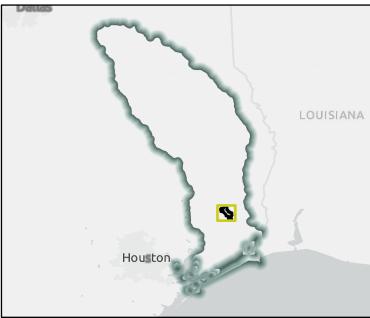
Population at risk 1,277	# of structures 648	# of critical facilities 1	
Flood risk type: Riverine? Yes	Coastal? No Local	I Flooding? No Other? Yes	
Farm/Ranch land impacted (ac.) 43	Rc	oadways impacted (miles) 14	
# of low water crossings 0	#0	of historical road closures 0	

### **Estimated Cost and Funding Availability**

Total \$150,000 Cost

Potential federal funding availability? Yes Potential Federal **Funding Sources** 





NECHES Title Hardin County Cooks Lake Road Bridge Elevation ID# 051000087 Sponsor Hardin (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Hardin Study type **Project Planning** Study description H&H study to improve drainage along Cooks Lake Bridge. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 10 Emergency Need? Yes Anticipated models in near term? No Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures. Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures. 100-Year Flood Risk Summary Population at risk 188 # of structures 41 # of critical facilities 0 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 8 3 # of historical road closures # of low water crossings 0 0 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total \$20,000 Yes funding availability? **Funding Sources** Cost LOUISIANA se C Houston

**REGION 5** 

Regional view of FME area

Title Hardin County Reservoir

ID# 051000088 Sponsor Hardin (County)
Recommended by RFPG? Yes Reason for Recommendation



## **REGIONAL FLOOD PLANNING GROUP**

Study Details				
Study type	Project Planning County Hardin			
Study description	H&H study of large reservoir for flood control / drought assistance.			
FME to create new	H&H model?       Yes       Emergency Need?       Yes       Anticipated models in near term?       No       Drainage area (sq. mi., est.)       43			
<ul> <li>Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (&gt;100-year) as the basis of their design.</li> <li>Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (&gt;100-year) as the basis of their design.</li> <li>Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.</li> <li>Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.</li> <li>Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.</li> <li>Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.</li> </ul>				

### **100-Year Flood Risk Summary**

Population at risk 1,277	# of structures 648	# of critical facilities 1
Flood risk type: Riverine? Yes	Coastal? No Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.) 43	Roadways impacted (mi	iles) 14
# of low water crossings 0	# of historical road closu	ures 0

### **Estimated Cost and Funding Availability**

Total Cost \$500,000 Potential federal funding availability? Yes

Potential Federal Funding Sources

