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

REGION 5 Flood Management Evaluation (FME) NECHES Title Anderson County Update Flood Hazard Mapping ID# 051000001 Sponsor Anderson (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Anderson Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 495 Emergency Need? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 73 # of structures 69 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 348 22 # of historical road closures # of low water crossings 2 2 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$2,236,919 **Funding Sources** Cost LOUISIANA

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FME Area

Regional view of FME area

REGION 5 Flood Management Evaluation (FME) NECHES Title Angelina County Update Flood Hazard Mapping ID# 051000002 Sponsor Angelina (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** Study type Watershed Planning County Angelina Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 861 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 8,420 # of structures 1,201 # of critical facilities 11 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 165 66 # of historical road closures # of low water crossings 19 19 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$3,900,000 **Funding Sources** Cost Nacogdoches LOUISIANA Lufkin Houston FME Area Regional view of FME area

REGION 5 NECHES Title Chambers County Update Flood Hazard Mapping ID# 051000003 Sponsor Chambers (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details County Chambers** Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 434 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 1,431 # of structures 1,175 # of critical facilities 0 Coastal? Yes Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 36,933 162 # of historical road closures # of low water crossings 0 0 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$652,546 **Funding Sources** Cost LOUISIANA



FME Area

Regional view of FME area

REGION 5 Flood Management Evaluation (FME) NECHES Title Cherokee County Update Flood Hazard Mapping ID# 051000004 Sponsor Cherokee (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Cherokee Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 1,058 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 1,382 # of structures 672 # of critical facilities 1 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 920 49 # of historical road closures # of low water crossings 10 10 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$4,800,000 **Funding Sources** Cost





Title Galveston County Update Flood Hazard Mapping

ID# 051000005 Sponsor Galveston (County) Recommended by RFPG? Yes Reason for Recommendation



REGIONAL FLOOD PLANNING GROUP

Study De	etails								
Study type	2	Watershed Planning			C	County Galvestor	ı		
Study desc	cription	Complete a detailed	study within the county exte	nt to delineat	e an updated flo	od hazard area, v	vhich can be u	sed for regulatory purpo	ses.
FME to crea	eate new	H&H model? Yes	Emergency Need? Yes	Anticipate	d models in near	term? Yes [Drainage area (sq. mi., est.) 57	
Goal(s) Go ar Go ar	ioal 1: In reas ider ioal 2: In reas ider	crease the coverage on tified as having curre crease the coverage on tified as having curre	f flood hazard data across th nt gaps in flood mapping. if flood hazard data across th nt gaps in flood mapping.	e region by c e region by c	ompleting detaile	ed studies that un	tilize consisten	t methodology in 75% of t methodology in 100% c	∍f
100-Year	r Flood	Risk Summary							
Population	n at risk	2,373	# of structure	es 4,937		# of critical fa	cilities 8		
Flood risk t	type: Ri	verine? Yes	Coastal? Yes	Local Flood	ling? No	Other? Ye	es		
Farm/Ranc	ch land i	mpacted (ac.) 330		Roadwa	ys impacted (mil	es) 143			
# of low wa	ater cro	ssings 0		# of hist	orical road closu	res 0			
Estimate	d Cost	and Funding Avail	ability						
Total Cost \$68,	,502	fundir	fial federal Yes		Potential Fede	eral _ es			
			5 7						
	~		Anahuac National Wildlife Refuge		Velles	Housto	n	LOUISIA	NA

FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Hardin County Update Flood Hazard Mapping ID# 051000006 Sponsor Hardin (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Hardin Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Emergency Need? Yes Drainage area (sq. mi., est.) 888 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. 100-Year Flood Risk Summary Population at risk 10,528 # of structures 3,678 # of critical facilities 25 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 136 743 # of historical road closures # of low water crossings 13 13 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total \$1,800,000 Yes funding availability? **Funding Sources** Cost



LOUISIANA Houston

Title Henderson County Update Flood Hazard Mapping

 ID#
 051000007
 Sponsor
 Henderson (County)

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



REGIONAL FLOOD PLANNING GROUP

Study Details						
Study type	Watershed Plannin	ng		Count	ty Henderson	
Study description	Complete a detail	ed study within the county	extent to delineate	an updated flood h	azard area, which can be	e used for regulatory purposes.
FME to create nev	w H&H model? Yes	Emergency Need? Y	es Anticipated	models in near term	n? Yes Drainage are	ea (sq. mi., est.) 374
Goal(s) Goal 1: In areas ide Goal 2: In areas ide	ncrease the coverag entified as having cu ncrease the coverag entified as having cu	e of flood hazard data acro rrent gaps in flood mappin e of flood hazard data acro rrent gaps in flood mappin	ss the region by co g. ss the region by co g.	mpleting detailed st	udies that utilize consist udies that utilize consist	ent methodology in 75% of ent methodology in 100% of
100-Year Flood	Risk Summary					
Population at risk	267	# of stru	ctures 240	#	of critical facilities 0	
Flood risk type: R	liverine? Yes	Coastal? No	Local Floodi	ng? Yes	Other? Yes	
Farm/Ranch land	impacted (ac.) 3	48	Roadway	s impacted (miles)	20	
# of low water cro	ossings 1		# of histo	rical road closures	1	
Total Cost \$1,681,614	Pot fun	ential federal ding availability? Yes		Potential Federal Funding Sources	-	
Athens	FME Are			Delles	Houston Regional view of F	LOUISIANA

REGION 5 Flood Management Evaluation (FME) NECHES Title Houston County Update Flood Hazard Mapping ID# 05100008 Sponsor Houston (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Houston Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 418 Emergency Need? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 16 # of structures 17 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 117 20 # of historical road closures # of low water crossings 7 7 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,697,174 **Funding Sources** Cost



Houston

FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Jasper County Update Flood Hazard Mapping ID# 051000009 Sponsor Jasper (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Jasper Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 615 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 1,655 # of structures 756 # of critical facilities 7 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 46 104 # of historical road closures # of low water crossings 3 3 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,210,721 **Funding Sources** Cost rvoir LOUISIANA Houston

FME Area

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NECHES Title Jefferson County Update Flood Hazard Mapping ID# 051000010 Sponsor Jefferson (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Jefferson Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 954 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 40,765 # of structures 12,869 # of critical facilities 316 Coastal? Yes Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 33,019 474 # of historical road closures # of low water crossings 22 22

Estimated Cost and Funding Availability

Total Cost \$1,900,000 Potential federal funding availability?

Potential Federal Funding Sources

REGION 5





FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Liberty County Update Flood Hazard Mapping ID# 051000011 Sponsor Liberty (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Liberty Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 235 Emergency Need? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 143 # of structures 116 # of critical facilities 1 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 1,526 7 # of historical road closures # of low water crossings 0 0 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$402,626 **Funding Sources** Cost LOUISIANA

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FME Area

Regional view of FME area

Title Nacogdoches County Update Flood Hazard Mapping

ID# 051000012 Sponsor Nacogdoches (County) Reason for Complies with RFPG Goals Recommended by RFPG? Yes Recommendation



REGIONAL FLOOD PLANNING GROUP

Study Details							
Study type	Watershed Planning			Cour	nty Nacogdoch	nes	
Study description	Complete a detailed s	study within the county exte	ent to delineate a	n updated flood h	nazard area, w	hich can be used for regulato	ry purposes.
FME to create new	w H&H model? Yes	Emergency Need? Yes	Anticipated m	odels in near terr	m? Yes D	rainage area (sq. mi., est.) 97	7
Goal(s) Goal 1: In areas ide Goal 2: In areas ide	ncrease the coverage o entified as having curre ncrease the coverage o entified as having curre	f flood hazard data across ti nt gaps in flood mapping. f flood hazard data across ti nt gaps in flood mapping.	he region by com	pleting detailed st	tudies that uti	lize consistent methodology i lize consistent methodology i	n 75% of n 100% of
100-Year Flood	l Risk Summary						
Population at risk	5,475	# of structur	res 585	#	# of critical fac	cilities 1	
Flood risk type: R	iverine? Yes	Coastal? No	Local Flooding	? Yes	Other? No)	
Farm/Ranch land	impacted (ac.) 240		Roadways i	mpacted (miles)	38		
# of low water cro	ossings 20		# of historie	al road closures	20		
Estimated Cost	and Funding Availa	ability					
Total Cost \$4,400,000	Potent fundin	tial federal g availability? Yes	F	otential Federal unding Sources	-		
	Nacogdoci Lufkin	hes		Dallas	Housto		OUISIANA

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REGION 5 Flood Management Evaluation (FME) NECHES Title Orange County Update Flood Hazard Mapping ID# 051000013 Sponsor Orange (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Orange Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 156 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 11,929 # of structures 5,007 # of critical facilities 36 Coastal? Yes Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 346 136 # of historical road closures # of low water crossings 20 20 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$760,000 **Funding Sources** Cost Mauriceville LOUISIANA

Nederland FME Area

Regional view of FME area

REGION 5 NECHES Title Polk County Update Flood Hazard Mapping ID# 051000014 Sponsor Polk (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Polk Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Emergency Need? Yes Drainage area (sq. mi., est.) 535 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 368 # of structures 84 # of critical facilities 0 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 17 62 # of historical road closures # of low water crossings 8 8 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$375,054 **Funding Sources** Cost





FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Rusk County Update Flood Hazard Mapping ID# 051000015 Sponsor Rusk (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Rusk Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 525 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 191 # of structures 91 # of critical facilities 1 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 206 21 # of historical road closures # of low water crossings 0 0 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,318,550 **Funding Sources** Cost LOUISIANA

FME Area

Regional view of FME area

REGION 5 Flood Management Evaluation (FME) NECHES Title Sabine County Update Flood Hazard Mapping ID# 051000016 Sponsor Sabine (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Sabine Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 95 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 16 # of structures 11 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 3 5 # of historical road closures # of low water crossings 1 1 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$182,571 **Funding Sources** Cost Hemphill LOUISIANA Sabine National Forest Houston

FME Area

REGION 5 NECHES Title San Augustine County Update Flood Hazard Mapping ID# 051000017 Sponsor San Augustine (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County San Augustine Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 533 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. 100-Year Flood Risk Summary Population at risk 146 # of structures 64 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 42 13 # of historical road closures # of low water crossings 2 2 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$904,125 **Funding Sources** Cost les LOUISIANA Houston

FME Area

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REGION 5 Flood Management Evaluation (FME) NECHES Title Shelby County Update Flood Hazard Mapping ID# 051000018 Sponsor Shelby (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Shelby Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 160 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 8 # of structures 15 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 56 5 # of historical road closures # of low water crossings 4 4 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$711,827 **Funding Sources** Cost LOUISIANA Center Houston

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FME Area

REGION 5 Flood Management Evaluation (FME) NECHES Title Smith County Update Flood Hazard Mapping ID# 051000019 Sponsor Smith (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details County Smith** Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 510 Emergency Need? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 8,524 # of structures 2,347 # of critical facilities 72 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 216 50 # of historical road closures # of low water crossings 42 42 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,225,342 **Funding Sources** Cost LOUISIANA

FME Area

Regional view of FME area

REGION 5 Flood Management Evaluation (FME) NECHES Title Trinity County Update Flood Hazard Mapping ID# 051000020 Sponsor Trinity (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details County Trinity** Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 342 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 15 # of structures 32 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? No Roadways impacted (miles) Farm/Ranch land impacted (ac.) 68 22 # of historical road closures # of low water crossings 1 1 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,540,238 **Funding Sources** Cost Lu LOUISIANA Houston FME Area Regional view of FME area

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REGION 5 Flood Management Evaluation (FME) NECHES Title Tyler County Update Flood Hazard Mapping ID# 051000021 Sponsor Tyler (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Tyler Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Drainage area (sq. mi., est.) 932 Emergency Need? Yes Anticipated models in near term? Yes Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 329 # of structures 545 # of critical facilities 0 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 82 42 # of historical road closures # of low water crossings 8 8 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,800,000 **Funding Sources** Cost Jasper LOUISIANA Houston FME Area Regional view of FME area

REGION 5 Flood Management Evaluation (FME) NECHES Title Van Zandt County Update Flood Hazard Mapping ID# 051000022 Sponsor Van Zandt (County) Complies with RFPG Goals Reason for Recommended by RFPG? Yes **REGIONAL FLOOD PLANNING GROUP** Recommendation **Study Details** County Van Zandt Study type Watershed Planning Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes. FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 244 Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping. Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping. **100-Year Flood Risk Summary** Population at risk 233 # of structures 217 # of critical facilities 0 Coastal? No Local Flooding? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 232 13 # of historical road closures # of low water crossings 0 0 **Estimated Cost and Funding Availability** Potential federal Potential Federal Total funding availability? Yes \$1,111,237 **Funding Sources** Cost Canton LOUISIANA

FME Area

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Regional view of FME area

Title Anderson County Master Drainage Plan

ID#	051000023	Spo	nsor	Anderson (County)	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details											
Study type	Watershed Pla	anning		Со	unty Anders	on					
Study description	Perform H&H conceptual alt	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 Emergenc	y Need? Yes	Anticipated models in near te	erm? Yes	Drainage area (sq. mi., e	est.) 495				
Goal(s) Goal 1: A of their of Goal 2: A their des Goal 3: R new floo Goal 4: R new floo Goal 5: R Goal 6: R	an average of 10 design. an average of 25 dign. FPG must consi d risk reduction FPG must consi d risk reduction d risk reduction deduce the num	3% of the new region 5% of the new region 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	al infrastructure al infrastructure d should incorpo 023 - 2033. d should incorpo 033 - 2053. es in the 100-yea es in the 100-yea	projects between 2023 – 2033 projects between 2033- 2053 orate nature-based practices ar orate nature-based practices ar ar flood risk inundation extents or flood risk inundation extents	s will utilize is will utilize la nd floodplain nd floodplain by 15%. by 25%.	arger storm events (>100- rger storm events (>100-y) preservation in an averag	year) as the basis rear) as the basis of ge of 10% of their ge of 25% of their				
100-Year Flood	l Risk Summa	ary									
Population at risk	73		# of structures	s 69	# of critical	facilities 0					
Flood risk type: R	iverine? Yes	Coasta	? No	Local Flooding? Yes	Other?	No					
Farm/Ranch land	impacted (ac.)	348		Roadways impacted (miles) 22						
# of low water cro	ossings	2		# of historical road closure	s 2						
Estimated Cost	and Funding	g Availability									
Total Cost \$737,953		Potential federal funding availability	Yes	Potential Federa Funding Sources	II _ ;						





Title Angelina County Master Drainage Plan

ID#	051000024	Spo	nsor	Angelina (County)	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details								
Study type	Watershed Pla	nning			Coun	ty Angelina		
Study description	Perform H&H conceptual alt	modeling to ernatives, a	o identify and defi and rank projects.	ne flood risk, develop co Conceptual alternatives	nceptual alterna should evaluate	tives to reduce flo feasibility of natur	od risk, develop C e based solutions	PCC for
FME to create new	v H&H model?	Yes E	mergency Need?	Yes Anticipated mo	dels in near tern	n? Yes Draina	ge area (sq. mi., e	st.) 861
Goal(s) Goal 1: A of their d Goal 2: A their des Goal 3: R new floo Goal 4: R new floo Goal 5: R Goal 5: R	n average of 10 lesign. .n average of 25 ign. FPG must consi d risk reduction FPG must consi d risk reduction educe the num educe the num	% of the ne % of the ne der in all pr projects be der in all pr projects be ber of critic ber of critic	ew regional infrast rojects and should etween 2023 - 203 rojects and should etween 2033 - 205 cal facilities in the cal facilities in the	ructure projects betwee ructure projects betwee incorporate nature-base 33. incorporate nature-base 53. 100-year flood risk inunc 100-year flood risk inunc	n 2023 – 2033 w n 2033- 2053 wil ed practices and ed practices and dation extents by dation extents by	vill utilize larger sto Il utilize larger stor floodplain preserv floodplain preserv (15%. (25%.	rm events (>100-y m events (>100-y ation in an averag ation in an averag	year) as the basis ear) as the basis of ge of 10% of their ge of 25% of their
100-Year Flood Population at risk	Risk Summa	ry	# of sti	ructures 1.201	#	of critical facilities	5 11	
Flood risk type: R	iverine? Yes		Coastal? No	Local Flooding?	Yes	Other? Yes		
Farm/Ranch land	impacted (ac.)	165		Roadways im	pacted (miles)	66		
# of low water cro	ossings	19		# of historica	I road closures	19		
Estimated Cost	and Funding	Availabil	ity					
Total Cost \$1,700,000		Potential f funding av	ederal railability?	Po Fu	otential Federal Inding Sources	-		
	Nacogdoc	hes			Jallas	~~~		





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Title Chambers County Master Drainage Plan

بانصده

ID#	051000025	Sponso	r	Chambers (County)	
Reco	ommended by	RFPG? Yes	s	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Sludy Details												
Study type	Watershed Plan	nning			Cour	nty Chambers						
Study description	Perform H&H r conceptual alte	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 nev	v H&H model?	Yes Ei	mergency Need?	Yes Anticipated r	nodels in near terr	m? Yes D	orainage area (sq	. mi. <i>,</i> est.)	434			
 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 base 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 base 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 the 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 the 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 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%. 									r) as the basis as the basis of f 10% of their f 25% of their			
100-Year Flood Population at risk Flood risk type: R	I Risk Summa 1,431 iverine? Yes	ry	# of str Coastal? Yes	ructures 1,175 Local Floodin	g? No	# of critical fac Other? Ye	cilities 0 s					
Farm/Ranch land	impacted (ac.)	36,933		Roadways	impacted (miles)	162						
# of low water cro	ossings	0		# of histor	ical road closures	0						

Estimated Cost and Funding Availability

Total Cost \$1,600,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





Title Cherokee County Master Drainage Plan

Dotail

ID#	051000026	Spo	nsor	Cherokee (County)	
Recc	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Sludy Details										
Study type	Watershed Pla	nning				Count	ty Cheroke	ee		
Study description	Perform H&H r conceptual alte	nodeling te ernatives, a	o identify ar and rank pro	nd define floc ojects. Conce	od risk, develop con ptual alternatives sh	ceptual alterna nould evaluate	tives to re feasibility	duce flood risk, o of nature based	develop OP solutions.	CC for
FME to create new	H&H model?	Yes E	mergency N	leed? Yes	Anticipated mode	els in near term	n? Yes	Drainage area ((sq. mi., est	.) 1,058
Goal(s) Goal 1: An of their de Goal 2: An their desi Goal 3: RF new flood Goal 4: RF new flood Goal 5: Re Goal 5: Re	n average of 105 esign. n average of 255 gn. FPG must consid d risk reduction FPG must consid d risk reduction educe the numb educe the numb	% of the ne % of the ne der in all pi projects bi der in all pi projects bi per of critic per of critic	ew regional ew regional rojects and s etween 202 rojects and s etween 203 cal facilities i cal facilities i	infrastructur infrastructur should incorp 3 - 2033. should incorp 3 - 2053. in the 100-ye in the 100-ye	e projects between e projects between porate nature-based porate nature-based ear flood risk inunda ear flood risk inunda	2023 – 2033 w 2033- 2053 wil I practices and f I practices and f tion extents by tion extents by	ill utilize la Il utilize lar floodplain floodplain 15%. 25%.	arger storm even rger storm event preservation in preservation in	ts (>100-ye s (>100-yea an average an average	ar) as the basis r) as the basis of of 10% of their of 25% of their
100-Year Flood Population at risk	Risk Summa 1,382	ry	i	# of structure	es 672	#	of critical	facilities 1		
Flood risk type: Ri	verine? Yes		Coastal?	No	Local Flooding?	Yes	Other?	No		
Farm/Ranch land i	mpacted (ac.)	920			Roadways imp	acted (miles)	49			
# of low water cro	ssings	10			# of historical	road closures	10			

Estimated Cost and Funding Availability

Total Cost \$1,600,000 Potential federal funding availability? Yes

Potential Federal . Funding Sources





Title Hardin County Master Drainage Plan

ID#	051000027	Spoi	nsor	Hardin (County)	
				Dessen for	Complies with RFPG Goals
Reco	ommended by	/ RFPG?	Yes	Recommendation	



REGIONAL FLOOD PLANNING GROUP

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 H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 888 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 2033 - 2053. 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 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%. 100-Year Flood Risk Summary
 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.) 888 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 2033 - 2053. 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%.
FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 888 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 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%.
 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 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 risk10,528# of structures3,678# of critical facilities25
Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes
Farm/Ranch land impacted (ac.) 743 Roadways impacted (miles) 136
of low water crossings 13 # of historical road closures 13

Estimated Cost and Funding Availability

Total \$1,000,000 Cost

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





Title Henderson County Master Drainage Plan

ID#	051000028	Spo	nsor	Henderson (County)	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details										
Study type V	Watershed Plan	ning				County	Henderson			
Study description P	Perform H&H m conceptual alte	nodeling to rnatives, a	identify and dentify and dentify and rank project	efine flood r s. Conceptu	isk, develop conceptual al alternatives should ev	alternativ valuate fe	ves to reduce flood asibility of nature l	l risk, develop O based solutions.	PCC for	
FME to create new H	H&H model?	′es Er	nergency Need	? Yes A	Anticipated models in ne	ear term?	Yes Drainage	area (sq. mi., es	st.) 374	
Goal(s) Goal 1: An of their des	average of 10% sign.	6 of the ne	w regional infra	astructure pi	rojects between 2023 –	2033 will	utilize larger storm	n events (>100-y	vear) as the basis	
Goal 2: An	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									
Goal 3: RFP	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 i	new flood risk reduction projects between 2023 - 2033.									
Goal 4: RFP	Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their									
Goal 5: Red	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: Rec	duce the numb	er of critica	al facilities in th	e 100-year f	flood risk inundation ext	, tents by 2	5%.			
100-Year Flood R	Risk Summar	у								
Population at risk	267		# of	structures 2	240	# o	f critical facilities C)		
Flood risk type: Rive	erine? Yes		Coastal? No	L	ocal Flooding? Yes		Other? Yes			
Farm/Ranch land im	npacted (ac.)	348			Roadways impacted (I	miles)	20			
# of low water cross	sings	1			# of historical road clo	osures	1			

Estimated Cost and Funding Availability

Total Cost \$1,900,000 Potential federal funding availability? Yes

Potential Federal -Funding Sources





FME Area

Title Houston County Master Drainage Plan

ID#	051000029	Spo	nsor	Houston (County)		
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals	



REGIONAL FLOOD PLANNING GROUP

Study Details					
Study type	Watershed Planning		Cou	nty Houston	
Study description	Perform H&H modeling to conceptual alternatives, ar	identify and define flood Id rank projects. Concep	d risk, develop conceptual alterr tual alternatives should evaluat	natives to reduce flood risk, develop OPC e feasibility of nature based solutions.	C for
FME to create nev	w H&H model? Yes Em	nergency Need? Yes	Anticipated models in near ter	m? Yes Drainage area (sq. mi., est.)	418
Goal(s) Goal 1: A of their of Goal 2: A their des Goal 3: R new floo Goal 4: R new floo Goal 5: R Goal 6: R	In average of 10% of the new lesign. In average of 25% of the new ign. IFPG must consider in all pro d risk reduction projects bet IFPG must consider in all pro d risk reduction projects bet leduce the number of critica leduce the number of critica	v regional infrastructure v regional infrastructure jects and should incorpo ween 2023 - 2033. jects and should incorpo ween 2033 - 2053. I facilities in the 100-yea I facilities in the 100-yea	projects between 2023 – 2033 projects between 2033- 2053 v orate nature-based practices an orate nature-based practices an ir flood risk inundation extents b ir flood risk inundation extents b	will utilize larger storm events (>100-yea vill utilize larger storm events (>100-year d floodplain preservation in an average o d floodplain preservation in an average o by 15%. by 25%.	r) as the basis as the basis of f 10% of their f 25% of their
100-Year Flood	l Risk Summary				
Population at risk	16	# of structures	5 17	# of critical facilities 0	
Flood risk type: R	iverine? Yes	Coastal? No	Local Flooding? Yes	Other? Yes	
Farm/Ranch land	impacted (ac.) 117		Roadways impacted (miles)	20	
# of low water cro	ossings 7		# of historical road closures	7	
Estimated Cost	and Funding Availabilit	у			
Total Cost \$610,983	Potential fe funding ava	deral ilability? Yes	Potential Federal Funding Sources	-	
- Contraction of the second se		2 Long			LOUISIANA

Regional view of FME area

Title Jasper County Master Drainage Plan

ID#	ID# 051000030 Spons		nsor	Jasper (County)	
				Decess for	Complies with RFPG Goals
Recommended by RFPG?		Vac	Reason for		
		res	Recommendation		



REGIONAL FLOOD PLANNING GROUP

Study Details										
Study type	Watershed Plar	ning		County Jasper						
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.									PCC for	
FME to create new	H&H model?	'es En	nergency Nee	ed? Yes	Anticipated mod	els in near term	n? Yes	Drainage are	a (sq. mi. <i>,</i> es	st.) 615
 Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basi 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 basi 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 the 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 the 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%. 								ear) as the basis ar) as the basis of e of 10% of their e of 25% of their		
100-Year Flood	Risk Summar	У	# 0	ef et ruetur			of critical	facilities 7		
Population at risk	1,655		# 0	of structure	es 756		or critical i	lacinues 7		
Flood risk type: Riv	verine? Yes		Coastal? N	0	Local Flooding?	Yes	Other?	Yes		
Farm/Ranch land i	mpacted (ac.)	104			Roadways imp	oacted (miles)	46			
# of low water cros	ssings	3			# of historical	road closures	3			
Estimated Cost	and Funding	Availabili	y							
Total		Potential fe	deral		Pot	ential Federal	-			

Total Cost \$1,200,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





FME Area

Title Jefferson County Master Drainage Plan

ID#	051000031	Spo	nsor	Jefferson (County)	
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details								
Study type	Watershed Planning		County Jefferson					
Study description	Perform H&H modeling to id conceptual alternatives, and	entify and define flood risk, develop con rank projects. Conceptual alternatives s	nceptual alternatives to re should evaluate feasibility	educe flood risk, develop OP of nature based solutions.	CC for			
FME to create nev	w H&H model? Yes Eme	rgency Need? Yes Anticipated mod	dels in near term? Yes	Drainage area (sq. mi., est	t.) 954			
 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 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 their design. Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10 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 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	40 765	# of structures 12 869	# of critica	l facilities 316				

Population at risk 40,765		# of structures	5 12,869	# of critical facilities 316
Flood risk type: Riverine? Yes	Coastal?	Yes	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	33,019		Roadways impacted (miles)	474
# of low water crossings	22		# of historical road closures	22

Estimated Cost and Funding Availability

Total Cost \$1,100,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





FME Area

Title Liberty County Master Drainage Plan

 ID#
 051000032
 Sponsor
 Liberty County Drainage District

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



REGIONAL FLOOD PLANNING GROUP

Study Details								
Study type	Watershed Plann	ning	County Liberty					
Study description	Complete a cour	nty wide drainage pla	an, which can be	used for regulatory purpose	es.			
FME to create new	v H&H model? Ye	es Emergency N	Veed? Yes	nticipated models in near t	erm? Yes	Drainage area ((sq. mi., est.)	235
Goal(s) Goal 1: A of their d Goal 2: A their desi Goal 3: R new floor Goal 4: R new floor Goal 5: R Goal 6: R	n average of 10% lesign. n average of 25% ign. FPG must conside d risk reduction p FPG must conside d risk reduction p educe the numbe educe the numbe	of the new regional of the new regional er in all projects and rojects between 202 er in all projects and rojects between 203 r of critical facilities r of critical facilities	infrastructure pr infrastructure pr should incorpora 3 - 2033. should incorpora 3 - 2053. in the 100-year f in the 100-year f	ojects between 2023 – 203 ojects between 2033- 2053 te nature-based practices a te nature-based practices a lood risk inundation extents lood risk inundation extents	3 will utilize will utilize la and floodplai and floodplai s by 15%. s by 25%.	larger storm even arger storm events n preservation in a n preservation in a	ts (>100-year) s (>100-year) an average of an average of) as the basis as the basis of 10% of their 25% of their
100-Year Flood	Risk Summary	/						
Population at risk	143		# of structures 1	16	# of critica	al facilities 1		
Flood risk type: R	iverine? Yes	Coastal?	No L	ocal Flooding? No	Other	Yes		
Farm/Ranch land	impacted (ac.)	1,526		Roadways impacted (mile	s) 7			
# of low water cro	ossings	0		# of historical road closure	es O			
Estimated Cost	and Funding A	vailability						
Total Cost \$201,313	Pe fi	otential federal Inding availability?	/es	Potential Feder Funding Source	al _ ·s			
				Delles	5			LOUISIANA





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Title Nacogdoches County Master Drainage Plan

Cturch / Dotoile

ID#	051000033	Spo	nsor	Nacogdoches (Count	y)
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Sludy Details											
Study type	udy type Watershed Planning							County Nacogdoches			
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.)PCC for 	
FME to create new	H&H model?	Yes Ei	mergency Need?	Yes A	nticipated mod	els in near ter	m? Yes	Drainage a	irea (sq. mi. <i>,</i> e	st.) 977	
Goal(s) Goal 1: Ar of their de Goal 2: Ar their desi Goal 3: Rf new flood Goal 4: Rf new flood Goal 5: Re Goal 6: Re	 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 the number of critical facilities in the 100-year flood risk inundation extents by 15%. Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%. 										
100-Year Flood Population at risk Flood risk type: Ri	Risk Summa 5,475 verine? Yes	ry	# of s Coastal? No	structures 58	85 ocal Flooding?	Yes	# of critical Other?	facilities 1 No			
Farm/Ranch land i	mpacted (ac.)	240			Roadways imp	oacted (miles)	38				
# of low water cro	ssings	20			# of historical	road closures	20				

Estimated Cost and Funding Availability

Total Cost \$1,900,000 Potential federal funding availability? Yes

Potential Federal Funding Sources





Title Orange County Master Drainage Plan

ID#	051000034	Spo	nsor	Orange (County)	
				Boscon for	Complies with RFPG Goals
Recommended by RFP		/ RFPG?	Yes	RedSUITIO	•
				Recommendation	



REGIONAL FLOOD PLANNING GROUP

Study Details								
Study type	Study type Watershed Planning				County Orange			
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 nev	w H&H model?	Yes Ei	mergency Need? Ye	s Anticipated models in near	term? Yes Drainage area (sq. r	mi., est.) 156		
 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 the number of critical facilities in the 100-year flood risk inundation extents by 15%. Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%. 								
100-Year Flood	l Risk Summa	ry						
Population at risk	11,929		# of struc	tures 5,007	# of critical facilities 36			
Flood risk type: R	liverine? Yes		Coastal? Yes	Local Flooding? No	Other? Yes			
Farm/Ranch land	impacted (ac.)	346		Roadways impacted (mil	es) 136			
# of low water cro	ossings	20		# of historical road closu	res 20			
Fatimated Cod		Ausilahit						

Potential Federal

Funding Sources

Estimated Cost and Funding Availability

Total Cost \$450,000 Potential federal funding availability? Yes

 Widor
 OR ANGE

 Beaumont
 Or Neches

 Port Neches
 Or Neches

LOUISIANA Houston

FME Area

34 of 157

Title Polk County Master Drainage Plan

ID# 051000035 Sponsor Polk (County)

Recommended by RFPG? Yes

Reason for Complies with RFPG Goals Recommendation



REGIONAL FLOOD PLANNING GROUP

Study Details											
Study type	dy type Watershed Planning							County Polk			
Study description	'erform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for onceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.										
FME to create new	H&H model?	les Em	ergency Need?	Yes	Anticipated mode	els in near ter	m? Yes	Drainage a	area (sq. mi., e	st.) 535	
Goal(s) Goal 1: An of their de Goal 2: An their desig Goal 3: RF new flood Goal 4: RF new flood Goal 5: Re Goal 6: Re	 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 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 I	100-Year Flood Risk Summary										
Population at risk 368 # of structures 84 # of critical facilities 0											
Flood risk type: Riv	verine? Yes	(Coastal? No		Local Flooding?	No	Other?	Yes			
Farm/Ranch land ir	mpacted (ac.)	62			Roadways imp	acted (miles)	17				
# of low water cros	ssings	8			# of historical I	road closures	8				

Estimated Cost and Funding Availability

Total Cost \$150,021 Potential federal funding availability? Yes

Potential Federal FIF Grant; Local Funds Funding Sources





Title Rusk County Master Drainage Plan

ID# 051000036 Sponsor Rusk (County)

Recommended by RFPG? Yes

Reason for Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details						
Study type	Watershed Planning			County Rusk		
Study description	Perform H&H modelir conceptual alternative	g to identify and define floc es, and rank projects. Conce	od risk, develop cor ptual alternatives s	nceptual alternatives to r hould evaluate feasibilit	educe flood risk, develor y of nature based solutio	OPCC for ns.
FME to create new	w H&H model? Yes	Emergency Need? Yes	Anticipated mod	lels in near term? Yes	Drainage area (sq. mi.	, est.) 525
Goal(s) Goal 1: A of their d Goal 2: A their des Goal 3: R new floo Goal 4: R new floo Goal 5: R Goal 6: R	In average of 10% of the lesign. In average of 25% of the ign. IFPG must consider in a d risk reduction project IFPG must consider in a d risk reduction project leduce the number of c leduce the number of c	e new regional infrastructur e new regional infrastructur Il projects and should incorp s between 2023 - 2033. Il projects and should incorp s between 2033 - 2053. ritical facilities in the 100-ye ritical facilities in the 100-ye	e projects betweer e projects betweer porate nature-base porate nature-base par flood risk inund par flood risk inund	2023 – 2033 will utilize 2033- 2053 will utilize la d practices and floodplai d practices and floodplai ation extents by 15%. ation extents by 25%.	larger storm events (>10 arger storm events (>100 n preservation in an aver n preservation in an aver	0-year) as the basis -year) as the basis of age of 10% of their age of 25% of their
100-Year Flood	l Risk Summarv					
Population at risk	191	# of structure	es 91	# of critica	al facilities 1	
Flood risk type: R	iverine? Yes	Coastal? No	Local Flooding?	Yes Other	? No	
Farm/Ranch land	impacted (ac.) 206		Roadways im	pacted (miles) 21		
# of low water cro	ossings 0		# of historical	road closures 0		
Estimated CostTotal Cost\$1,400,000	and Funding Availa Potent funding	al federal g availability? Yes	Pot Fur	ential Federal _ nding Sources		
	hormon be	<pre> } </pre>		Hol		LOUISIANA

FME Area

Title Sabine County Master Drainage Plan

ID# 051000037 Sponsor Sabine (County) Recommended by RFPG? Yes Reason for Recommendation



REGIONAL FLOOD PLANNING GROUP

Study Details	5				
Study type	Watershed Planning			County Sabine	
Study descripti	on Perform H&H modeli conceptual alternativ	ng to identify and define flooc res, and rank projects. Concep	risk, develop conceptua tual alternatives should e	al alternatives to reduce flo evaluate feasibility of natu	ood risk, develop OPCC for ire based solutions.
FME to create r	new H&H model? Yes	Emergency Need? Yes	Anticipated models in r	near term? Yes Drain:	age area (sq. mi., est.) 95
Goal(s) Goal 1 of the Goal 2 their c Goal 3 new fl Goal 4 new fl Goal 5 Goal 6	:: An average of 10% of th ir design. 2: An average of 25% of th lesign. 3: RFPG must consider in a ood risk reduction projec 4: RFPG must consider in a ood risk reduction projec 5: Reduce the number of a 5: Reduce the number of a	ie new regional infrastructure ie new regional infrastructure all projects and should incorpo :ts between 2023 - 2033. all projects and should incorpo :ts between 2033 - 2053. critical facilities in the 100-yea critical facilities in the 100-yea	projects between 2023 - projects between 2033- rrate nature-based pract prate nature-based pract r flood risk inundation e: r flood risk inundation e:	 2033 will utilize larger sto 2053 will utilize larger sto ices and floodplain preser ices and floodplain preser xtents by 15%. xtents by 25%. 	orm events (>100-year) as the basis rm events (>100-year) as the basis of vation in an average of 10% of their vation in an average of 25% of their
100-Year Flo	od Risk Summary				
Population at r	isk 16	# of structures	11	# of critical facilitie	25 0
Flood risk type	: Riverine? Yes	Coastal? No	Local Flooding? Yes	Other? Yes	
Farm/Ranch la	nd impacted (ac.) 5		Roadways impacted	(miles) 3	
# of low water	crossings 1		# of historical road c	losures 1	
Estimated Co	ost and Funding Avail	ability			
Total Cost \$76,348	Potent fundin	tial federal Ig availability?	Potential F Funding Se	-ederal _ ources	
NE		Hemphill Sabine National Forest		Houston	LOUISIANA

FME Area

Title San Augustine County Master Drainage Plan

ID#	051000038	Sponsor	San Augustine (Cour	ty)
Reco	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details										
Study type	Watershed Plan	nning			County San Augustine					
Study description	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 Er	mergency Need?	Yes Anticipated mod	dels in near term? Ye	s Drainage area (sq. r	ni., est.) 533			
Goal(s) Goal 1: Ar of their de	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: Ar their desi	n average of 259 gn.	% of the ne	w regional infras	tructure projects betweer	n 2033- 2053 will utiliz	e larger storm events (>1	00-year) as the basis of			
Goal 3: RF	PG must consid	ler in all pr	ojects and shoul	d incorporate nature-base	d practices and flood	plain preservation in an av	verage of 10% of their			
Goal 4: RF	PG must consic	projects be ler in all pr	ojects and shoul	i33. d incorporate nature-base	d practices and flood	plain preservation in an av	verage of 25% of their			
new flood	d risk reduction	projects be	tween 2033 - 20	153. 100-year flood risk inund	ation extents by 15%					
Goal 6: Re	educe the numb	er of critic	al facilities in the	100-year flood risk inund	ation extents by 25%.					
100-Year Flood	Risk Summa	ry								
Population at risk	146		# of s	tructures 64	# of cri	tical facilities 0				
Flood risk type: Ri	verine? Yes		Coastal? No	Local Flooding?	Yes Oth	er? No				
Farm/Ranch land i	mpacted (ac.)	42		Roadways im	pacted (miles) 13					
# of low water cro	ssings	2		# of historica	road closures 2					
Estimated Cost	and Funding	Availabili	ty							

Total Cost \$379,732 Potential federal funding availability? Yes

Potential Federal . Funding Sources





FME Area