VOLUME 2 Appendix 5-C

FINAL REGION 5 NECHES 2023 REGIONAL FLOOD PLAN JANUARY 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 City of Daisetta Drainage Projects

Study Details

ID# 051000135 Sponsor Daisetta (Municipality) Recommended by RFPG? Yes Reason for Recommendation



REGIONAL FLOOD PLANNING GROUP

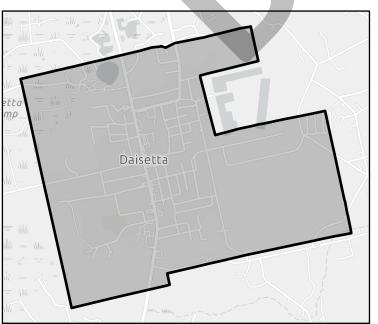
Study type County Liberty **Project Planning** Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of drainage improvements throughout the city to include widening culverts and ditches. Emergency Need? Yes FME to create new H&H model? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 1 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 0		# of structure	es O	# of critical facilities ()
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	0
# 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





FME Area

Title Liberty County Culvert Replacement Project

ID# 051000136 Sponsor Liberty (County)

Recommended by RFPG? Yes

Reason for Recommendation Complies with RFPG Goals

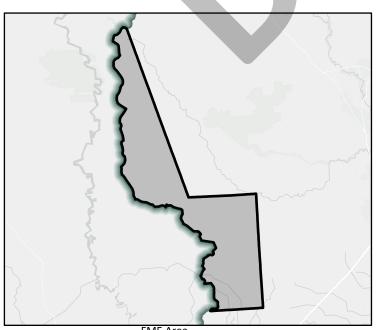


REGIONAL FLOOD PLANNING GROUP

Study Details					
Study type Proje	ect Planning		County Liberty		
	uate project to quant Ird problem areas wit		pacts, and begin design. Project c	onsists of increasing culvert size in	identified flood
FME to create new H&F	H model? Yes E	mergency Need? Yes	Anticipated models in near ter	m? Yes Drainage area (sq. mi	., est.) 235
of their design Goal 2: An ave their design. Goal 3: RFPG n new flood risk Goal 4: RFPG n new flood risk Goal 5: Reduce	rage of 25% of the ne nust consider in all pr reduction projects be nust consider in all pr reduction projects be the number of critic	ew regional infrastructur ojects and should incorp etween 2023 - 2033. ojects and should incorp etween 2033 - 2053. al facilities in the 100-ye	e projects between 2033- 2053 w porate nature-based practices and		0-year) as the basis of rage of 10% of their
100-Year Flood Risk	Summary				
Population at risk 143		# of structure	es 116	# of critical facilities 1	
Flood risk type: Riverin	e? Yes	Coastal? No	Local Flooding? No	Other? Yes	
Farm/Ranch land impac	cted (ac.) 1,526		Roadways impacted (miles)	7	
# of low water crossing	s O		# of historical road closures	0	
Estimated Cost and	Funding Availabil	ity			
Total	Potential f	ederal	Potential Federal		

Total Cost \$100,657 Potential federal funding availability? Yes

Potential Federal Funding Sources





FME Area

Title Liberty County Recanalization Feasibility Study

ID# 051000137 Sponsor Liberty (County)

Recommended by RFPG? Yes

Reason for Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details				
Study type	Project Planning		Cou	nty Liberty
Study description	Evaluate project to quanti flow from north to south a			consists of dechannelizing existing feeder creeks that
FME to create nev	H&H model? Yes Er	nergency Need? Yes	Anticipated models in near ter	m? Yes Drainage area (sq. mi., est.) 235
of their d Goal 2: A their desi	esign. n average of 25% of the ner gn.	w regional infrastructure p	projects between 2033- 2053 v	will utilize larger storm events (>100-year) as the basis vill utilize larger storm events (>100-year) as the basis of d floodplain preservation in an average of 10% of their
Goal 4: R new floor Goal 5: R	d risk reduction projects be educe the number of critica	ojects and should incorpor tween 2033 - 2053. Il facilities in the 100-year	rate nature-based practices an flood risk inundation extents t flood risk inundation extents t	
100-Year Flood	Risk Summary			
Population at risk	143	# of structures	116	# of critical facilities 1
Flood risk type: R	verine? Yes	Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land	mpacted (ac.) 1,526		Roadways impacted (miles)	7
# of low water cro	ssings 0		# of historical road closures	0
Total	and Funding Availabili Potential fe	deral Voc	Potential Federal	-
Cost \$26,171	funding ava	ilability?	Funding Sources	
	5		Dellos	<pre></pre>



Regional view of FME area

Houston

LOUISIANA

137 of 157

Title Stadium Upgrade Pumping Equipment

 ID#
 051000138
 Sponsor
 Jefferson County Drainage District 7

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



REGIONAL FLOOD PLANNING GROUP

Study Details	5					
Study type	Project Planning			County Jeff	erson	
Study descripti	on H&H study to size pur	np upgrades and improve ex	kisting level of	service.		
FME to create	new H&H model? Yes	Emergency Need? Yes	Anticipated	models in near term? No	Drainage area	(sq. mi., est.) 0
of the Goal 2 their c Goal 3 other Goal 4	ir design. :: An average of 25% of th lesign. :: Reduce exposure of exis wise providing flood prote :: Reduce exposure of exis	e new regional infrastructur e new regional infrastructur ting and future structures in ction to 10% of structures. ting and future structures in ction to 30% of structures.	e projects bet	ween 2033- 2053 will utiliz flood risk inundation exter	e larger storm event	s (>100-year) as the basis uiring, relocating, or
100-Year Flo	od Risk Summary					
Population at r	isk 27	# of structure	es 6	# of crit	tical facilities 0	
Flood risk type	: Riverine? Yes	Coastal? Yes	Local Floodi	ng? No Oth	er? No	
Farm/Ranch la	nd impacted (ac.) 0		Roadway	s impacted (miles) 0		
# of low water	crossings 0		# of histo	orical road closures 0		
Estimated Co	ost and Funding Availa	ability				
Total Cost \$100,00	Potent	ial federal g availability? Yes		Potential Federal - Funding Sources		
	20103.20	2. 2 to the loss of the loss o		Dattes		LOUISIAN

4

Regional view of FME area

Houston

Title Delmar Upgrade Pumping Equipment

 ID#
 051000139
 Sponsor
 Jefferson County Drainage District 7

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



REGIONAL FLOOD PLANNING GROUP

Study Details									
Study type Project Planning					County	y Jefferso	n		
Study description	H&H study to si	ze pump upgrades a	nd improve exi	isting level of service.					
FME to create new	w H&H model? Y	es Emergency	Need? Yes	Anticipated models	in near term?	? No	Drainage area	(sq. mi., est) 1
of their of Goal 2: A their des Goal 3: F otherwis Goal 4: F	design. An average of 25% lign. Reduce exposure of the providing flood Reduce exposure of	6 of the new regiona of existing and future protection to 10% c	l infrastructure e structures in of structures. e structures in	e projects between 202 e projects between 202 the 100-year flood ris the 100-year flood ris	33- 2053 will k inundation	utilize lar extents b	ger storm even y elevating, acc	ts (>100-yea Juiring, reloo	ar) as the basis of cating, or
100-Year Flood Population at risk		у	# of structure:	s 676	# (of critical	facilities 0		
Flood risk type: F	liverine? Yes	Coastal?	Yes	Local Flooding? No		Other?	No		
Farm/Ranch land	impacted (ac.)	0		Roadways impact	ted (miles)	6			
# of low water cr	ossings	0		# of historical roa	d closures	0			
Estimated Cos	t and Funding	Availability							
Total Cost \$100,000		Potential federal unding availability?	Yes		ial Federal _ ng Sources				
			\sim		ς				





Title DeQueen Additional Pumping Equipment

 ID#
 051000140
 Sponsor
 Jefferson County Drainage District 7

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



REGIONAL FLOOD PLANNING GROUP

Study Details					
Study type	Project Planning		County Jeff	erson	
Study description	H&H study to size pump upg	rades and improve existing leve	l of service.		
FME to create new	w H&H model? Yes Eme	rgency Need? Yes Anticipa	ated models in near term? No	Drainage area (sq. mi., est.) 1	
of their c Goal 2: A their des Goal 3: R otherwis Goal 4: R	lesign. In average of 25% of the new ign. Leduce exposure of existing an e providing flood protection t	regional infrastructure projects d future structures in the 100-y o 10% of structures. d future structures in the 100-y	between 2033- 2053 will utiliz ear flood risk inundation exter	ze larger storm events (>100-year) as e larger storm events (>100-year) as t nts by elevating, acquiring, relocating, nts by elevating, acquiring, relocating,	the basis of , or
100-Year Flood	l Risk Summary				
Population at risk	0	# of structures 0	# of cri	tical facilities 0	
Flood risk type: R	iverine? Yes C	oastal? No Local Flo	ooding? No Oth	er? No	
Farm/Ranch land	impacted (ac.) 0	Road	ways impacted (miles) 0		
# of low water cro	ossings 0	# of I	nistorical road closures 0		
Estimated Cost	and Funding Availability				
Total Cost \$100,000	Potential fede funding availa		Potential Federal - Funding Sources		
Port Ar	thur Control of the second sec		Patter	ouston	DUISIANA

FME Area

Title Shreveport Additional Pumping Equipment

 ID#
 051000141
 Sponsor
 Jefferson County Drainage District 7

 Recommended by RFPG?
 Yes
 Reason for Recommendation



REGIONAL FLOOD PLANNING GROUP

Study Details						
Study type	Project Planning			Cou	nty Jefferson	
Study description	H&H study to size p	ump upgrades and impro	ve existing level of	service.		
FME to create nev	w H&H model? Yes	Emergency Need? Y	es Anticipated	models in near ter	m? No Drainage area	(sq. mi., est.) 0
of their o Goal 2: A their des Goal 3: R otherwis Goal 4: R	design. In average of 25% of t lign. Reduce exposure of ex le providing flood pro- Reduce exposure of ex	he new regional infrastru isting and future structur tection to 10% of structu	ucture projects betw res in the 100-year res. res in the 100-year	ween 2033- 2053 w flood risk înundatic		
100-Year Flood Population at risk	l Risk Summary	# of stru	octures 0		# of critical facilities 0	
Flood risk type: R	liverine? Yes	Coastal? No	Local Floodi	ng? No	Other? No	
Farm/Ranch land	impacted (ac.) 0		Roadway	s impacted (miles)	0	
# of low water cro	ossings 0		# of histo	orical road closures	0	
Estimated Cost	t and Funding Avai	lability				
Total Cost \$100,000	Poter	ntial federal ng availability? Yes		Potential Federal Funding Sources		
				Datas		LOUISIANA

FME Area

141 of 157

Regional view of FME area

Houston

Title Delaware Diversion

 ID#
 051000142
 Sponsor
 Jefferson County Drainage District 6

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



REGIONAL FLOOD PLANNING GROUP

Study Details					
Study type	Project Planning		C	County Jefferson	
Study description	Divert storm runoff o	out of Beaumont from the Hi	llebrandt watershed to the Ne	ches River.	
FME to create new	w H&H model? Yes	Emergency Need? Yes	Anticipated models in near	term? Yes Drainag	ge area (sq. mi., est.) 7
of their of	design. An average of 25% of tl	Ũ		Ū	m events (>100-year) as the basis n events (>100-year) as the basis of

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

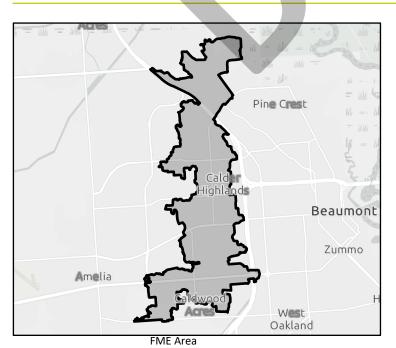
Population at risk 3,971		# of structure	es 583	# of critical facilities 1
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	12
# of low water crossings	0		# of historical road closures	0

Potential Federal

Funding Sources

Estimated Cost and Funding Availability

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





Title Tyrrell Park Detention

 ID#
 051000143
 Sponsor
 Jefferson County Drainage District 6

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



REGIONAL FLOOD PLANNING GROUP

Study Details				
Study type	Project Planning		County Jeffe	rson
Study description	Install a detention po	nd in the vicinity of Tyrrell P	ark Rd. within the city of Beaumont.	
FME to create new	w H&H model? Yes	Emergency Need? Yes	Anticipated models in near term? No	Drainage area (sq. mi., est.) 5
Goal(s) Goal 1: A of their c	0	e new regional infrastructur	re projects between 2023 – 2033 will utilize	e larger storm events (>100-year) as the basis

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.

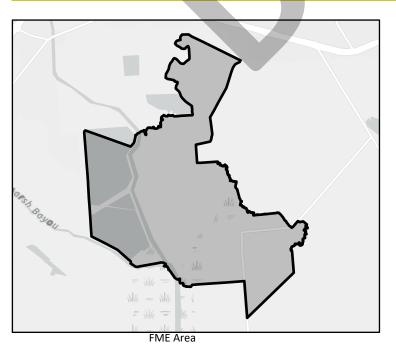
100-Year Flood Risk Summary

Population at risk 0	# of structures 1	# of critical facilities 0
Flood risk type: Riverine? Yes	Coastal? No Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.) 258	Roadways impacted (miles)	2
# of low water crossings 0	# of historical road closures	5 0

Estimated Cost and Funding Availability

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

Potential Federal Funding Sources





Title Mayhaw Lateral Improvements

 ID#
 051000144
 Sponsor
 Jefferson County Drainage District 6

 Recommended by RFPG?
 Yes
 Reason for Recommendation



REGIONAL FLOOD PLANNING GROUP

Study Details							
Study type	Project Planning	County Jefferson, Chambers					
Study description	ription Rectify negative impacts to properties downstream of IH-10 caused by additional drainage crossings						
	3 , 1	d models in near term? Yes Drainage area (sq. mi., est.) 47 tween 2023 – 2033 will utilize larger storm events (>100-year) as the basis					
of their of		tween 2025 – 2035 will dunze larger storm events (>100-year) as the basis					
Goal 2: A their des	5 F F F F F F F F F F F F F F F F F F F	tween 2033- 2053 will utilize larger storm events (>100-year) as the basis of					
new floc	od risk reduction projects between 2023 - 2033.	b-based practices and floodplain preservation in an average of 10% of their					
Goal 4. F	oal 4: REPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their						

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.

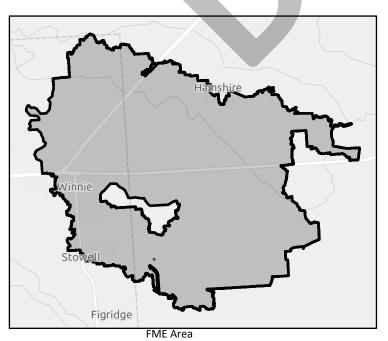
100-Year Flood Risk Summary

Population at risk 551	# of structu	res 401	# of critical facilities 0
Flood risk type: Riverine? Yes	Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.) 2	79	Roadways impacted (miles)	28
# of low water crossings 3		# of historical road closures	3

Estimated Cost and Funding Availability

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

Potential Federal Funding Sources





TitleFeasibility Assessment for Increase in Size of Culverts and Railroad Trestles on
Major Drainage Structures Throughout Orange County

ID# 05	51000145	Spons	or	Orange County Drair	0
Recom	mended by	/ RFPG? Ye	es	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Orange County. w H&H model? Yes		ternatives for dred		nty Orange ise improving culvert	s and railroad trestles within
Orange County. w H&H model? Yes		ternatives for dred	ging, widening, or otherw	ise improving culvert	s and railroad trestles within
	Emorgonov No				
educe the number	Emergency we	ed? Yes Antic	ipated models in near ter	m? Yes Drainage	e area (sq. mi., est.) 156
Reduce the number Reduce exposure of se providing flood p Reduce exposure of	of critical facilities in existing and future si rotection to 10% of s existing and future si	the 100-year flood ructures in the 10 tructures. ructures in the 10		y 25%. n extents by elevatin	ng, acquiring, relocating, or ng, acquiring, relocating, or
Risk Summary					
11,929	#	of structures 5,007		# of critical facilities	36
liverine? Yes	Coastal?	'es Local	Flooding? No	Other? Yes	
impacted (ac.) 3	346	Rc	adways impacted (miles)	136	
ossings 2	20	#0	of historical road closures	20	
fur			Funding Sources	$\langle \cdot \rangle$	
	b			Houston	LOUISIANA
	e providing flood p I Risk Summary 11,929 iverine? Yes impacted (ac.) = cossings = 2 and Funding Av Por fur	e providing flood protection to 30% of s I Risk Summary 11,929 # iverine? Yes Coastal? Y impacted (ac.) 346 ossings 20 Coastal federal funding availability? Yes Mauricevil Mauricevil	e providing flood protection to 30% of structures.	e providing flood protection to 30% of structures.	Instact Summary # of structures 5,007 # of critical facilities iverine? Yes Coastal? Yes Local Flooding? No Other? Yes impacted (ac.) 346 Roadways impacted (miles) 136 ossings 20 # of historical road closures 20 and Funding Availability Yes Potential Federal tunding availability? Yes Potential Federal funding Sources Potential federal tunding availability? Yes Potential Federal funding Sources - Vidor Watriceville Watriceville Houston Houston

Title Feasibility Assessment of the Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods Located Within Orange County

ID#	051000146	Spoi	nsor	Orange County Drain	8
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details Study type County Orange **Project Planning** Study description H&H Study to analyze most efficient alternatives for improving existing drainage ditches and channels linked to neighborhoods within Orange County. FME to create new H&H model? Yes Emergency Need? Yes Drainage area (sq. mi., est.) 156 Anticipated models in near term? Yes 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. 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. Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%. Goal 4: 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.

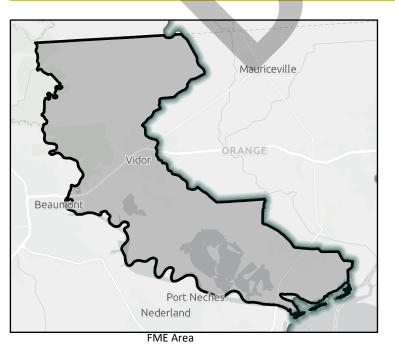
100-Year Flood Risk Summary

Population at risk 11,929	#	of structures 5,007	# of critical facilities 3	6
Flood risk type: Riverine? Yes	Coastal?	Yes Local Flooding	g? No Other? Yes	
Farm/Ranch land impacted (ac.)	346	Roadways	impacted (miles) 136	
# of low water crossings	20	# of histor	ical road closures 20	

Estimated Cost and Funding Availability

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

Potential Federal Funding Sources





Regional view of FME area

146 of 157

Title Orange County DD Harvey Repairs

ID#	051000147	Spor	nsor	r Orange County Drainage District			
Reco	ommended by	/ RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals		



REGIONAL FLOOD PLANNING GROUP

Study Details						
Study type	Project Plannin	g		Cou	nty Orange	
Study description				pacts, and begin design. Project c ed by Hurricane Harvey to restore	consists of repairing damage to drainage e pre-flood capacity.	e ditches,
FME to create new	v H&H model? ۱	Yes Emerge	ncy Need? Yes	Anticipated models in near ter	m? Yes Drainage area (sq. mi., est	.) 156
of their d Goal 2: A their desi Goal 3: R new flood Goal 4: R new flood Goal 5: R	lesign. n average of 25% ign. FPG must consid d risk reduction FPG must consid d risk reduction educe the numb	% of the new reg der in all projects projects betwee der in all projects projects betwee per of critical faci	ional infrastructure and should incorp n 2023 - 2033. and should incorp n 2033 - 2053. lities in the 100-ye	e projects between 2033- 2053 w porate nature-based practices and	•	r) as the basis of of 10% of their
100-Year Flood	Risk Summar	ry				
Population at risk	11,929		# of structure	es 5,007	# of critical facilities 36	
Flood risk type: Ri	iverine? Yes	Coas	stal? Yes	Local Flooding? No	Other? Yes	
Farm/Ranch land i	impacted (ac.)	346		Roadways impacted (miles)	136	
,	,					

Potential Federal

Funding Sources

Estimated Cost and Funding Availability

Total Cost \$130,000 Potential federal funding availability? Yes

 Vidor
 OR ANGE

 Beaumdont
 Or Neches

 Port Neches
 Nederland

LOUISIANA

FME Area

Title Orange County DD SW Detention/Retention Facilities

ID#	051000148	Spo	nsor	Orange County Drair	0
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details		
Study type	Project Planning County Orange	
Study description	n Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of stormwa throughout OCDD.	ter detention/retention facilities
FME to create nev	ew H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Draina	age area (sq. 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 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 11,929		# of structure	es 5,007	# of critical facilities 36
Flood risk type: Riverine? Yes		Coastal? Yes	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	346		Roadways impacted (miles)	136
# of low water crossings	20		# of historical road closures	20

Potential Federal

Funding Sources

Estimated Cost and Funding Availability

Total Cost \$130,000 Potential federal funding availability? Yes

 Vidor
 OR ANGE

 Beaumont
 Or Neches

 Port Neches
 Audres

LOUISIANA Houston

FME Area

148 of 157

Title Feasibility Assessment of Widening and Deepening Segments of Tiger Creek

ID# 051000149 Sponsor Orange County Drainage District Recommended by RFPG? Yes Reason for Recommendation



REGIONAL FLOOD PLANNING GROUP

Study type	Project Planning			County Orange	e, Jasper
Study description	H&H Study to analyz	e most efficient alternatives f	or constructing imp	rovements to segments	of Tiger Creek.
FME to create ne	w H&H model? Yes	Emergency Need? Yes	Anticipated mode	els in near term? Yes	Drainage area (sq. mi., est.) 28
of their of Goal 2: A their des Goal 3: F new floc Goal 4: F new floc Goal 5: F	design. An average of 25% of t sign. RFPG must consider in od risk reduction proje RFPG must consider in od risk reduction proje Reduce exposure of ex	he new regional infrastructure all projects and should incorp cts between 2023 - 2033. all projects and should incorp cts between 2033 - 2053.	e projects between porate nature-based porate nature-based	2033- 2053 will utilize la practices and floodplain practices and floodplain	larger storm events (>100-year) as the basis arger storm events (>100-year) as the basis o n preservation in an average of 10% of their n preservation in an average of 25% of their by elevating, acquiring, relocating, or
100-Year Flood	d Risk Summary				

Flood risk type: Riverine? Yes Coastal? No Local Flooding?	No Other? Yes
Farm/Ranch land impacted (ac.) 15 Roadways im	pacted (miles) 17
# of low water crossings 5 # of historical	l road closures 5

Potential Federal

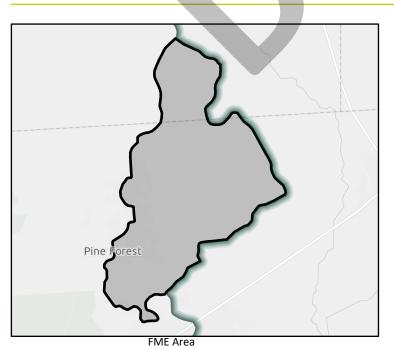
Funding Sources

Estimated Cost and Funding Availability

Total Cost \$150,000

Study Details

Potential federal funding availability? Yes





Title Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Tiger Creek

ID#	051000150	Spons	sor	Orange County Drain	
Reco	ommended by	/ RFPG? Y	′es	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

,						
Study type	Project Planning			County Orange,	Jasper	
Study description	H&H Study to analyze mo	ost efficient alternatives	for constructing a stormwate	er detention pond	d in the vicinity of Tiger Creek.	
FME to create new	w H&H model? Yes E	mergency Need? Yes	Anticipated models in nea	ar term? No	Drainage area (sq. mi., est.) 28	
Goal(s) Goal 1: A of their o	-	ew regional infrastructu	re projects between 2023 – 2	2033 will utilize la	rger storm events (>100-year) as the basis	

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 1,290	# of str	uctures 848	# of critical facilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local Flooding? No	Other? Yes	
Farm/Ranch land impacted (ac.)	15	Roadways impacted (mile	s) 17	
# of low water crossings	5	# of historical road closure	es 5	

Potential Federal

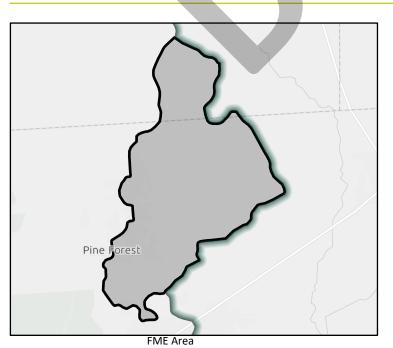
Funding Sources

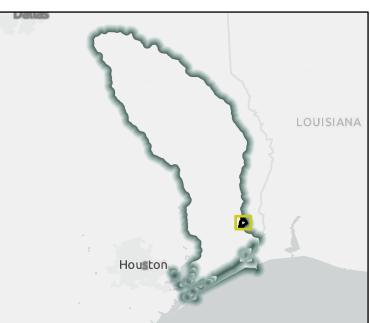
Estimated Cost and Funding Availability

Total Cost \$100,000

Study Details

Potential federal funding availability? Yes





Title Feasibility Assessment of Widening and Deepening Segments of Ten-Mile Creek

 ID#
 051000151
 Sponsor
 Orange County Drainage District

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



REGIONAL FLOOD PLANNING GROUP

Study type	Project Planning	County Orange, Jasper
Study description	H&H Study to analyze most efficient alternatives for constructing im	provements to segments of Ten-Mile Creek.
FME to create ne	w H&H model? Yes Emergency Need? Yes Anticipated mo	dels in near term? Yes Drainage area (sq. mi., est.) 46
of their	design.	n 2023 – 2033 will utilize larger storm events (>100-year) as the basis
Goal 2: / their de	5 F	n 2033- 2053 will utilize larger storm events (>100-year) as the basis of

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 768	# of struc	tures 415	# of critical facilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local Flooding? No	Other? No	
Farm/Ranch land impacted (ac.)		Roadways impacted (miles)	13	
# of low water crossings		# of historical road closures	2	

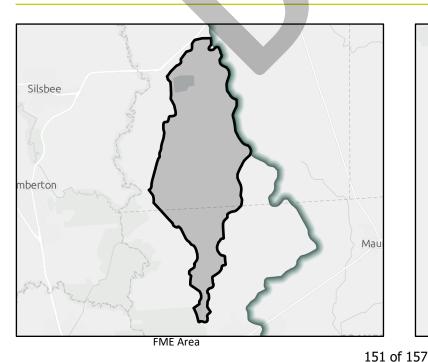
Estimated Cost and Funding Availability

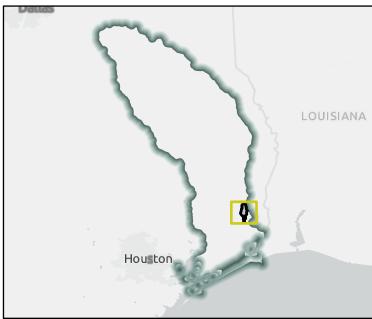
Total Cost \$175,000

Study Details

Potential federal funding availability? Yes

Potential Federal Funding Sources





4 - 7

Title Feasibility Assessment of Widening and Deepening Segments of Anderson Gully

ID#	051000152	Sponsor	Orange County Drainage District			
Rec	ommended by	RFPG? Yes	Reason for Recommendation	Complies with RFPG Goals		



REGIONAL FLOOD PLANNING GROUP

Study Details					
Study type	Project Planning		C	ounty Orange, Jefferson	
Study descriptio	n H&H Study to analyze most	efficient alternatives for co	nstructing improvements	to segments of Anderson G	Gully.
			ticinated models in pass		pa (ca mi oct) 42
			ticipated models in near		ea (sq. mi., est.) 42
	An average of 10% of the new design.	regional infrastructure pro	jects between 2023 – 20:	as will utilize larger storm ev	ents (>100-year) as the basis
Goal 2: their de	-	regional infrastructure pro	jects between 2033- 205	3 will utilize larger storm even	ents (>100-year) as the basis of
	RFPG must consider in all proj	jects and should incorporat	e nature-based practices	and floodplain preservation	in an average of 10% of their
	od risk reduction projects betw		a patura bacad practicas	and floodulain proconvotion	in an average of 25% of their
	RFPG must consider in all proj od risk reduction projects betw		e nature-based practices	and hoodplain preservation	In an average of 25% of their
	Reduce the number of critical				
Guar 6:	Reduce the number of critical	Tacinities in the 100-year no	ou fisk mundation extern	.5 DY 25%.	
100-Year Floo	d Risk Summary				
Population at ris	ik 3,566	# of structures 1,3	366	# of critical facilities 194	
Flood risk type:	Riverine? Yes	Coastal? Yes Loo	cal Flooding? No	Other? Yes	
	d impacted (ac.) 140		Roadways impacted (mile		
# of low water c			# of historical road closu		
	1035ing5 5				
Estimated Co	st and Funding Availability	N N			
Total	Potential fed		Potential Fede	ral_	
Cost \$325,000	funding avail	Voc	Funding Source		
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				Houston	
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152 of 157

Title City of Bullard Culvert Upgrades

 ID#
 051000153
 Sponsor
 Bullard (Municipality)

 Recommended by RFPG?
 Yes
 Reason for Recommendation



REGIONAL FLOOD PLANNING GROUP

Study Details					
Study type	Project Planning		Coun	nty Smith	
Study description	Study to evaluate exist	ing culverts for current conditi	on and identify culverts that no	eed to be upgraded.	
FME to create new	w H&H model? Yes	Emergency Need? No A	nticipated models in near terr	n? No Drainage area (sq. mi	i., est.) 3
of their d Goal 2: A their des Goal 3: R new floo Goal 4: R new floo Goal 5: R	design. An average of 25% of the sign. RFPG must consider in al drisk reduction projects RFPG must consider in al drisk reduction projects Reduce exposure of exist	new regional infrastructure projects and should incorpora between 2023 - 2033. projects and should incorpora between 2033 - 2053.	ojects between 2033- 2053 wi te nature-based practices and te nature-based practices and	vill utilize larger storm events (>10 ill utilize larger storm events (>10 floodplain preservation in an ave floodplain preservation in an ave n extents by elevating, acquiring,	0-year) as the basis of erage of 10% of their erage of 25% of their
100-Year Flood	Risk Summary				
Population at risk	0	# of structures (t t	# of critical facilities 0	
Flood risk type: R	liverine? Yes	Coastal? No L	ocal 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	t and Funding Availa Potentia	bility al federal	Potential Federal		
Cost \$50,000		availability? Yes	Funding Sources		
	Bullard			Houston	LOUISIANA

153 of 157

Title Smith County Drainage Capacity Upgrades

ID# 051000154 Sponsor Smith (County)

Recommended by RFPG? Yes

Reason for Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details						
Study type	Project Planning			County Sm	ith	
Study description	Study to evaluate e	xisting culverts within S	mith County and identif	y culverts that need to	be upgraded.	
FME to create nev	w H&H model? Yes	Emergency Need?	Yes Anticipated mo	odels in near term? Ye	s Drainage area (so	q. mi., est.) 510
of their d Goal 2: A their des Goal 3: R new floo Goal 4: R new floo Goal 5: R	lesign. In average of 25% of ign. FPG must consider in d risk reduction proju FPG must consider in d risk reduction proju educe the number o	the new regional infrast n all projects and should ects between 2023 - 203 n all projects and should ects between 2033 - 203 of critical facilities in the	tructure projects betwee l incorporate nature-bas 33. l incorporate nature-bas	en 2033- 2053 will utili: ed practices and flood ed practices and flood dation extents by 15%.	ze larger storm events plain preservation in ar plain preservation in ar	(>100-year) as the basis (>100-year) as the basis o n average of 10% of their n average of 25% of their
100-Year Flood	Risk Summary					
Population at risk	8,524	# of st	ructures 2,347	# of cri	tical facilities 72	
Flood risk type: R	iverine? Yes	Coastal? No	Local Flooding?	Yes Oth	ner? Yes	
Farm/Ranch land	impacted (ac.) 21	.6	Roadways in	npacted (miles) 50)	
# of low water cro	ossings 42		# of historic	al road closures 42		
Estimated Cost	and Funding Ava	ailability				
Total Cost \$225,000	Pote	ential federal ling availability? Yes		otential Federal _ unding Sources		
The second		er	3		The second se	LOUISIANA

154 of 157

Regional view of FME area

Houston

Title Bridge City Drainage Outfall Improvement Project

ID#	051000155	Spon	sor	Orange County Drair	0
Reco	ommended by	RFPG? Y	′es	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details	
Study type	Project Planning County Orange
Study description	Improve and extend three major drainage ditches and extend a neighborhood outfall to reduce structural flooding in residences within the area.
FME to create new	w H&H model? Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 4
new floo Goal 2: R new floo Goal 3: R Goal 4: R Goal 5: R otherwis	RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their d 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 d 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 the 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 the 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, otherwise providing flood protection to 30% of structures.

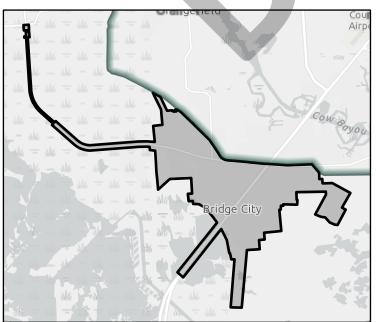
100-Year Flood Risk Summary

Population at risk 5,591		# of structure	es 1,889	# of critical facilities 6
Flood risk type: Riverine? Yes	Coastal?	Yes	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	6		Roadways impacted (miles)	36
# of low water crossings	1		# of historical road closures	5 1

Estimated Cost and Funding Availability

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

Potential Federal Funding Sources





FME Area

Title Colonial Outfall Ditch Culvert Improvements

ID#	051000156	Spon	sor	Orange County Drain	0
Reco	ommended by	RFPG?	Yes	Reason for Recommendation	Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Study Details	
Study type	Project Planning County Orange
Study description	H&H Study to analyze most efficient alternatives to install new culverts along FM 1442 (Bridge City) at Colonial Outfall Ditch.
FME to create new	w H&H model? Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 1
otherwise Goal 2: Re	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. 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 30% of structures.
100-Year Flood	d Risk Summary
Population at risk	k 1,217 # of structures 188 # of critical facilities 0
Flood risk type: Ri	Riverine? Yes Coastal? Yes Local Flooding? No Other? No
Farm/Ranch land i	
# of low water cro	
Estimated Cost	t and Funding Availability
Total Cost \$200,000	Potential federal funding availability? Yes Funding Sources
	Louisia Houston

FME Area

156 of 157

Title City of Beaumont Drainage Studies

 ID#
 051000157
 Sponsor
 Beaumont (Municipality)

 Recommended by RFPG?
 Reason for Recommendation



REGIONAL FLOOD PLANNING GROUP

tudy type Project Planning County Jefferson Transpace study to evaluate new storm water and sanitary sewer lines associated with reconstruction of key areas in the city to reduce localized flooding issues. ME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi, est.) 1 Soful 5: 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 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 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 2: An average of 25% of the new regional infrastructure set to be tween 2033 - 2053 will utilize larger storm events (>100-year) as the basis of their design. Goal 2: An average of 25% of the new regional infrastructure set to be tween 2033 - 2053 will utilize larger storm events (>100-year) as the basis of their design. Goal 2: An average of 25% of the new regional infrastructure set to be tween 2033 - 2053 will utilize larger storm events (>100-year) as the basis of their design. Goal 2: An average of 25% of the new regional infrastructure set to be tween 2033 - 2053 will utilize larger storm events (>100-year) as the basis of their design. Goal 2: An average of 25% of the new regional infrastructure set to be tween 2033 - 2053 will utilize larger storm events (>100-year) as the basis of their design. Goal 3: An average of 25% of the new regional infrastructure set to be tween 2033 - 2053 will utilize larger storm events (>100-year) as the basis of the of low water crossings 0 Formital Federal Federal Federal Federal Federal federal ind					
tudy description Drainage study to evaluate new storm water and sanitary sewer lines associated with reconstruction of key areas in the city to reduce localized flooding issues. ME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi, est.) 1 isaal(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 - 2039 will utilize larger storm events (>100-year) as the basis of their design. Overar Flood Risk Summary Population at risk 592 # of structures 29 # of critical fieldities 0 isod risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes isom/Ranch land impacted (ac) 0 # of structures 20 # of interdesian isot risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes isotmated Cost and Funding Availability # of interderial 0 Estimated Cost and Funding Availability If stills,750 Potential Federial Funding Sources Destructure Destructure istider Goal wat in destructure Finders Funding Sources EouristAnter anders	Study Details				
localized flooding issues. ME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mil, est.) 1 Soll(5) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2023 will utilize larger storm events (>100-year) as the basis of their design. Coll 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. 200-Year Flood Risk Summary Propulation at risk 592 # of structures 29 # of structures 29 # of critical facilities 0 cload risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes arm/Ranch land impacted (ac.) 0 # of historical road dosures 0 Estimated Cost and Funding Availability Total \$118,750 Potential Federal \$118,750 Potential Federal \$128,750 Potential Federal \$138,750 Potential	Study type	Project Planning		County Je	fferson
Soal 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. Cool Their design of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design. Cool Their design of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design. Cool Their design of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design. Cool Their design of 25% of the new regional infrastructures 29	Study description	0	w storm water and sanitary	sewer lines associated with rec	construction of key areas in the city to reduce
of their design. Gold Heir design. DOO-Year Flood Risk Summary Population at risk 592 # of structures 29 # of critical facilities 0 Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes Samr/Ranch land impacted (ac.) 0 Roadways impacted (miles) 0 # of historical road closures 0 Estimated Cost and Funding Availability foral \$118,750 Potential Federal toat \$118,750 Potential Federal State State, Sponter State Stat	FME to create new	v H&H model? Yes Emer	gency Need? Yes Antic	ipated models in near term? Y	es Drainage area (sq. mi., est.) 1
Population at risk 592 # of structures 29 # 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) 0 # of low water crossings 0 # of historical road closures 0 Estimated Cost and Funding Availability? Floral St18,750 Potential Federal Cost St18,750 Potential Federal funding availability? Yes Potential Federal funding sources Funding Sources Caldwood Acres Caldwood Acres Caldwood Caldwood Acres Caldwood Caldwood Acres Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwoo	of their d Goal 2: A	lesign. n average of 25% of the new re			
Plood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes Farm/Ranch land impacted (ac.) 0 Roadways impacted (miles) 0 to flow water crossings 0 # of historical road closures 0 Estimated Cost and Funding Availability Total \$118,750 Potential federal funding availability? Yes Potential Federal Funding Sources 118,750 Pine Crest I funding availability for the funding for the fu	100-Year Flood	Risk Summary			
Hood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes Farm/Ranch land impacted (ac.) 0 Roadways impacted (miles) 0 to flow water crossings 0 # of historical road closures 0		-	# of structures 29	# of c	ritical facilities 0
Farm/Ranch land impacted (ac.) 0 Roadways impacted (miles) 0 # of low water crossings 0 # of historical road closures 0 Estimated Cost and Funding Availability Total States Potential Federal Funding availability? Yes Potential Federal - Cost States Potential Federal - Funding Sources - Pine Crest I A A A A A A A A A A A A A A A A A A			astal? No Local	Flooding? No Ot	her? Yes
te of low water crossings 0 # of historical road closures 0 Estimated Cost and Funding Availability Total State State Cost and Funding availability? Ves Potential Federal - funding availability? Ves Potential Federal - Funding Sources - Funding Sources - Funding Sources - Cost State St					
Estimated Cost and Funding Availability Total State \$118,750 Potential federal funding availability? Yes Potential Federal Funding Sources Prine Crest Falder Falder Falder Caldwood Acres Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood Caldwood					
Total Cost \$118,750 Potential federal funding availability? Yes Potential Federal Funding Sources		•			
Total Cost \$118,750 Potential federal funding availability? Yes Potential Federal Funding Sources	Estimated Cost	and Funding Availability			
Amelia Caldwood Acres West Oakland	Total	Potential feder			
EME Area	Amelia	Caldwood Acres West Oakland	Zummo Higgins		Houston

Title	Anderson County F	lood Education F	^v rogram			JEC	HES
ID#	052000001 Spc	nsor Anderson ((County)				
RFPG	recommend? Yes		Reason for Recommendation	Complies with RFPG	Goals REGI	ONAL FLOOD PI	LANNING GROUP
Stra	ntegy Details						
	tegy type	Education ar	nd Outreach			Cour	nty Anderson
	tegy description			e awareness about t	he hazard of floo		esidents of mitigation actions to
Goal(basis.	100% participatio			-		-related risks on an annual form the public of flood-related
Fxist	ing 100-Year Floo	d Risk					
	lation at risk 73		# of strue	ctures 69		Critical facilities	0
		ne? Yes	Coastal? No	Local?	Yes	Playa? No	Other? No
	/Ranch land impacted				impacted (miles)		
Numl	ber of low water cros	sings 2			oad closures	2	
100-	Year Flood Risk Re	duction					
	lation removed from			# of str	uctures removed f	rom 100-yr	_
	al facilities removed					d from 100-yr (acres) -	-
	removed from 100-y				ter crossings remo		_
Othe	r benefits _				-	osures over 10 years	-
-	acts tive impacts? r supply contribution		Negative impacts desc Water supply contribu				
Estir	mated Cost						
Strate	egy Cost \$50	,000	Amount o	f available funding	-		% Nature-Based 0
		Palestine	the second		Dall	as	LOUISIANA

REGION 5

FMS area

1 of 147

Regional view of FMS area

Houston

Anderson County Natural Hazards Education Program Development Title

ID# 052000002 Sponsor Anderson (County)

RFPG recommend? Yes

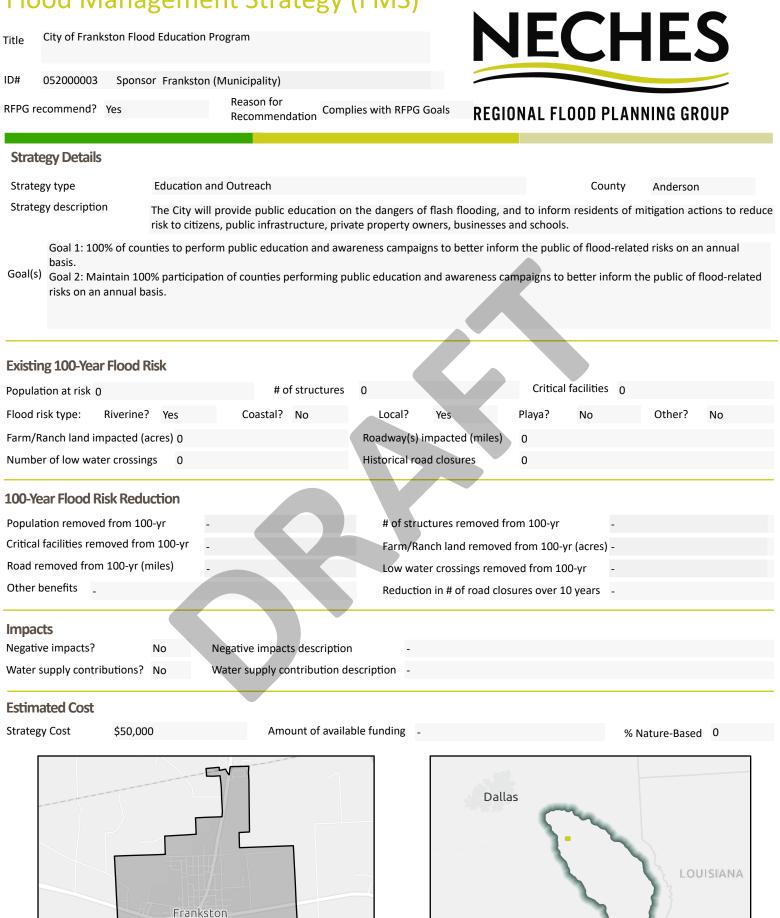
Reason for

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Strategy Details					
Strategy type	Education and Outr	each		County	Anderson
Strategy description		and implement education p o reduce risk to citizens, publ			
basis.	100% participation of co	lic education and awareness punties performing public ed			
Existing 100-Year Floo	d Risk				
Population at risk 73		# of structures 69		Critical facilities 0	
Flood risk type: Riverir	ne? Yes C	oastal? No Lo	ocal? Yes	Playa? No	Other? No
Farm/Ranch land impacted	d (acres) 348	Road	way(s) impacted (miles)	22	
Number of low water cros	sings 2	Histo	rical road closures	2	
Population removed from Critical facilities removed f Road removed from 100-y Other benefits - Impacts Negative impacts? Water supply contribution	r (miles) No Negativ		of structures removed fram/Ranch land remove ow water crossings remove Reduction in # of road clo	ed from 100-yr (acres) - oved from 100-yr -	
Estimated Cost Strategy Cost \$50,		Amount of available fun		%	Nature-Based 0
	Palestine	2000	Dal	las	LOUISIANA



REGION 5

3 of 147

FMS area

Austin

Regional view of FMS area

Houston

Angelina County Public Education on Mitigation Techniques Title

ID# 052000004 Sponsor Angelina (County)

RFPG recommend? Yes

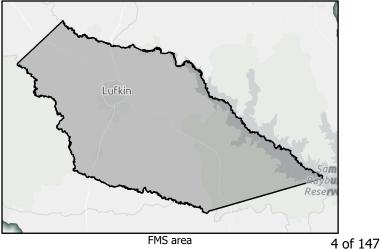
Reason for

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Strategy Details				
Strategy type	Education and Outreach		County	Angelina
Strategy description	Publish educational materials to infor	m the public in methods of mitigatin	ng private property against	natural hazard damage.
basis.	counties to perform public education and a 100% participation of counties performing I basis.			
xisting 100-Year Floo	d Risk			
opulation at risk 8,420	# of structur	es 1,201	Critical facilities 11	
lood risk type: Riveri	ne? Yes Coastal? No	Local? Yes	Playa? No	Other? Yes
arm/Ranch land impacte	d (acres) 165	Roadway(s) impacted (miles)	66	
lumber of low water cros	sings 19	Historical road closures	19	
Population removed from Critical facilities removed Road removed from 100- Other benefits	from 100-yr	# of structures removed f Farm/Ranch land remove Low water crossings remo Reduction in # of road clo	d from 100-yr (acres) - oved from 100-yr -	
mpacts Negative impacts? Water supply contribution	No Negative impacts descrip s? No Water supply contributio			
E stimated Cost Strategy Cost \$10	,000 Amount of av	ailable funding	%	Nature-Based 0
	Lufkin	Dall		LOUISIANA





Chambers County Public Education on Mitigation Techniques Title

ID# 052000005 Sponsor Chambers (County)

RFPG recommend? Yes

Reason for

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Strategy Details								
Strategy type	Education and Out	reach				County	Chamber	S
Strategy description	Implement an outr life and property.	each and education ca	ampaign to edu	cate the public or	n mitigation	techniques for	all hazards t	o reduce los
Goal 1: 100% of basis. Goal(s) Goal 2: Maintain risks on an annu								
xisting 100-Year Floc	od Risk							
opulation at risk 1,431		# of structures	1,175		Critica	l facilities 0		
lood risk type: River	ine? Yes	Coastal? Yes	Local?	No	Playa?	No	Other?	Yes
arm/Ranch land impacte	ed (acres) 36,933		Roadway(s) i	mpacted (miles)	162			
lumber of low water cro	ssings 0		Historical roa	ad closures	0			
opulation removed from ritical facilities removed and removed from 100- Other benefits	from 100-yr	R	Farm/Ra Low wat	ctures removed fr nch land removed er crossings remo en in # of road clos	d from 100- ved from 10	00-yr -		
mpacts	No Nagati	vo importe doscription						
legative impacts? Vater supply contribution		ve impacts description supply contribution d						
Estimated Cost								
Strategy Cost \$50	0,000	Amount of availa	ble funding -			%	Nature-Base	d 0
aytown				Dalla	as			UISIANA

FMS area

Regional view of FMS area

Houston

Austin

5 of 147

noou manageme	Shategy	(11013)			
Title City of Gallatin "Turn Around Don	i't Drown" Campaign		NE		IES
ID# 052000006 Sponsor Gallatin ((Municipality)				
RFPG recommend? Yes	Reason for Recommendation	lies with RFPG Goals	REGIONAL FLO	OD PLAN	NING GROUP
Strategy Details					
Strategy type Education	and Outreach			County	Cherokee
Strategy description Promote th	e "Turn Around Don't Drown"	campaign in partnership	with DPS.		
Goal(s) Goal 2: Maintain 100% participa risks on an annual basis.	tion of counties performing pu				
Existing 100-Year Flood Risk					
Population at risk 0	# of structures	2	Critical fa	ocilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local? Yes	Playa?	No	Other? No
Farm/Ranch land impacted (acres) 60		Roadway(s) impacted (miles) 1		
Number of low water crossings 0		Historical road closures	0		
100-Year Flood Risk Reduction					
Population removed from 100-yr		# of structures rem	oved from 100-yr	-	
Critical facilities removed from 100-yr		Farm/Ranch land re	emoved from 100-yr	(acres) -	
Road removed from 100-yr (miles)		Low water crossing	s removed from 100-	yr -	
Other benefits _		Reduction in # of re	oad closures over 10 y	years -	
Impacts					
Negative impacts? No	Negative impacts description	-			
Water supply contributions? No	Water supply contribution de	escription -			
Estimated Cost					

REGION 5

Strategy Cost \$10,000 Amount of available funding % Nature-Based 0 Dallas Irney Gallatin Austin Houston

FMS area

6 of 147

Regional view of FMS area

LOUISIANA

Sponsor Jacksonville (Municipality)

Reason for

Recommendation Complies with RFPG Goals

Title	City of Jacksonville Public Education on Mitigation Actions

ID#

052000007

RFPG recommend? Yes



REGIONAL FLOOD PLANNING GROUP

Strate	gy Details								
Strateg	y type	Education ar	nd Outreach				County	Cherokee	2
Strateg	y description		implement public education ted pertinent weather inform					reduce their	risk, along v
Goal(s)	basis.	100% participatio	m public education and awa		-				
xistin	g 100-Year Floo	d Risk							
opulati	on at risk 606		# of structures	192		Critica	al facilities 0		
lood ris	sk type: Riveri	ne? Yes	Coastal? No	Local?	Yes	Playa?	No	Other?	No
arm/Ra	anch land impacte	d (acres) 4		Roadway(s)	impacted (miles)	4			
lumber	of low water cros	sings 7		Historical ro	ad closures	7			
ritical f	ion removed from facilities removed f moved from 100-y enefits	from 100-yr		Farm/R Low wa	anch land removed anch land remove ter crossings rem on in # of road clo	ed from 100 oved from 1	-yr (acres) - 00-yr -		
mpact	ts								
-	e impacts? upply contribution		Negative impacts description Nater supply contribution de						
stima	ted Cost								
Strategy	Cost \$20	,000	Amount of availa	ble funding			%	Nature-Base	d 0
		Pomona			Dal	las			

7 of 147

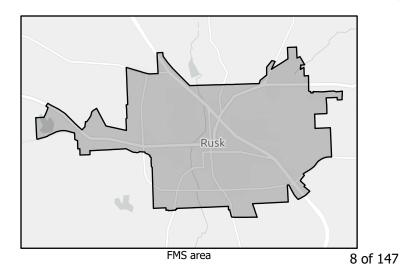


FMS area



itle City of Rusk "Turn Around Don't Drown" Campaign			NECHES		
D# 052000008 Sponsor Rusk	(Municipality)				
FPG recommend? Yes	Reason for Recommendation	mplies with RFPG Goals REGI	ONAL FLOOD PLAN	NNING GROUP	
Strategy Details					
Strategy type Education	tion and Outreach		County	Cherokee	
Strategy description Promo	te the "Turn Around Don't Drow	vn" campaign in partnership with D	PS.		
xisting 100-Year Flood Risk					
opulation at risk 462	# of structure	es 41	Critical facilities 0		
	# of structure Coastal? No	es 41 Local? Yes	Critical facilities 0 Playa? No	Other? No	
lood risk type: Riverine? Yes				Other? No	
lood risk type: Riverine? Yes arm/Ranch land impacted (acres) 1		Local? Yes	Playa? No	Other? No	
lood risk type: Riverine? Yes arm/Ranch land impacted (acres) 1 lumber of low water crossings 0		Local? Yes Roadway(s) impacted (miles)	Playa? No 2	Other? No	
lood risk type: Riverine? Yes arm/Ranch land impacted (acres) 1 lumber of low water crossings 0 00-Year Flood Risk Reduction		Local? Yes Roadway(s) impacted (miles)	Playa? No 2 0	Other? No	
lood risk type: Riverine? Yes arm/Ranch land impacted (acres) 1 Jumber of low water crossings 0 00-Year Flood Risk Reduction Population removed from 100-yr	Coastal? No	Local? Yes Roadway(s) impacted (miles) Historical road closures	Playa? No 2 0 rom 100-yr -	Other? No	
Flood risk type: Riverine? Yes Farm/Ranch land impacted (acres) 1 Number of low water crossings 0 OO-Year Flood Risk Reduction Population removed from 100-yr Critical facilities removed from 100-y	Coastal? No	Local? Yes Roadway(s) impacted (miles) Historical road closures # of structures removed for	Playa? No 2 0 rom 100-yr - d from 100-yr (acres) -	Other? No	
Flood risk type: Riverine? Yes Farm/Ranch land impacted (acres) 1 Number of low water crossings 0 .00-Year Flood Risk Reduction Population removed from 100-yr Critical facilities removed from 100-yr Road removed from 100-yr (miles)	Coastal? No	Local? Yes Roadway(s) impacted (miles) Historical road closures # of structures removed for Farm/Ranch land removed	Playa? No 2	Other? No	
Flood risk type: Riverine? Yes Farm/Ranch land impacted (acres) 1 Number of low water crossings 0 COO-Year Flood Risk Reduction Population removed from 100-yr Critical facilities removed from 100-yr Road removed from 100-yr (miles) Other benefits	Coastal? No	Local? Yes Roadway(s) impacted (miles) Historical road closures # of structures removed for Farm/Ranch land removed Low water crossings removed	Playa? No 2	Other? No	
Farm/Ranch land impacted (acres) 1	Coastal? No	Local? Yes Roadway(s) impacted (miles) Historical road closures # of structures removed for Farm/Ranch land removed Low water crossings removed Reduction in # of road clo	Playa? No 2	Other? No	
Flood risk type: Riverine? Yes Farm/Ranch land impacted (acres) 1 Number of low water crossings 0 00-Year Flood Risk Reduction Population removed from 100-yr Critical facilities removed from 100-yr Road removed from 100-yr (miles) Dther benefits	Coastal? No	Local? Yes Roadway(s) impacted (miles) Historical road closures # of structures removed for Farm/Ranch land removed Low water crossings removed Reduction in # of road closures	Playa? No 2	Other? No	
Flood risk type: Riverine? Yes Farm/Ranch land impacted (acres) 1 Number of low water crossings 0 COO-Year Flood Risk Reduction Population removed from 100-yr Critical facilities removed from 100-yr Road removed from 100-yr (miles) Other benefits Negative impacts? No	Coastal? No r - r	Local? Yes Roadway(s) impacted (miles) Historical road closures # of structures removed for Farm/Ranch land removed Low water crossings removed Reduction in # of road closures	Playa? No 2	Other? No	

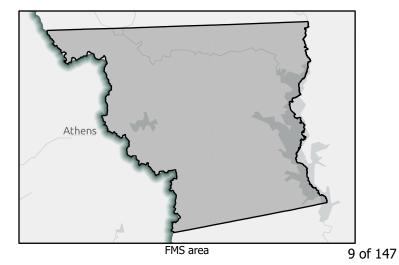
REGION 5





nood Manageme	in Strategy (1103)		
Title Henderson County Emergency Trair	ning Program	NEC	HES
ID# 052000009 Sponsor Hendersor	n (County)		
RFPG recommend? Yes	Reason for Recommendation	REGIONAL FLOOD PI	LANNING GROUP
Strategy Details			
Strategy type Education ar	nd Outreach	Cour	nty Henderson
Strategy description Increase train	ning opportunities for citizens to encourage the	ir involvement in mitigation efforts.	
risks on an annual basis.	on of counties performing public education and	awareness campaigns to better info	orm the public of flood-related
Existing 100-Year Flood Risk			
Population at risk 267	# of structures 240	Critical facilities	-
Flood risk type: Riverine? Yes		es Playa? No	Other? Yes
Farm/Ranch land impacted (acres)348Number of low water crossings1	Roadway(s) imp Historical road c		
100-Year Flood Risk Reduction			
Population removed from 100-yr	# of structur	es removed from 100-yr	
Critical facilities removed from 100-yr	Farm/Ranch	land removed from 100-yr (acres) -	
Road removed from 100-yr (miles)	Low water c	rossings removed from 100-yr	
Other benefits	Reduction in	a # of road closures over 10 years -	
	Negative impacts description - Water supply contribution description -		
Estimated Cost			
Strategy Cost \$50,000	Amount of available funding		% Nature-Based 0

REGION 5





City of Berryville Public Education on Mitigation Techniques Title

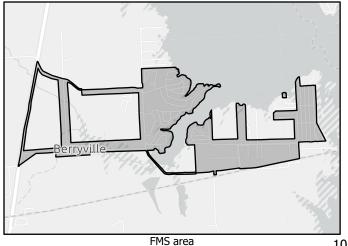
ID# 052000010 Sponsor Berryville (Municipality) Reason for RFPG recommend? Yes Recommendation



REGIONAL FLOOD PLANNING GROUP

Strategy Details								
Strategy type	Education and Out		County	Henderso	า			
Strategy description	Provide materials a hazards and increas	nd data sources to en e awareness.	ducate citizens o	of all potential I	hazards in th	e planning ar	ea and metho	ds to mitig
Goal 1: 100% of cou basis. Goal(s) Goal 2: Maintain 10 risks on an annual b	00% participation of c	lic education and awa ounties performing pu						
Existing 100-Year Flood	Risk							
Population at risk 0		# of structures	0		Critical	facilities 0		
Flood risk type: Riverine	? Yes (Coastal? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres) 0		Roadway(s) in	npacted (miles)	0			
Number of low water crossir	ngs O		Historical road	d closures	0			
100-Year Flood Risk Red	uction							
Population removed from 10)0-yr -		# of struct	tures removed f	rom 100-yr	-		
Critical facilities removed fro	om 100-yr _		Farm/Ran	ch land remove	d from 100-y	r (acres) -		
Road removed from 100-yr (miles)		Low wate	r crossings remo	oved from 10	D-yr -		
Other benefits _			Reduction	in # of road clo	sures over 10) years -		
Impacts								
Negative impacts?	No Negativ	ve impacts description	-					
Water supply contributions?	No Water	supply contribution de	escription -					
Estimated Cost								

Complies with RFPG Goals





10 of 147

City of Brownsboro Flood Mitigation Education for City Officials and Citizens Title

Sponsor Brownsboro (Municipality)

Reason for

Recommendation Complies with RFPG Goals

ID#

052000011

RFPG recommend? Yes



REGIONAL FLOOD PLANNING GROUP

Strategy Details								
Strategy type	Education and Ou	treach				County	Henderson	
Strategy description		ate training in flood mogram assistance to cit	-	sist with NFIP an	d encourage	awareness of	flood hazard and	Natior
basis.	100% participation of	blic education and awa counties performing pu						
Existing 100-Year Flood	d Risk							
Population at risk 52		# of structures	32		Critical f	acilities 0		
	ne? Yes	Coastal? No	Local?	Yes	Playa?	No	Other? No	
arm/Ranch land impacted	d (acres) 8		Roadway(s) in	mpacted (miles)	1			
Number of low water cross	sings 0		Historical roa		0			
Road removed from 100-y Other benefits mpacts Negative impacts?		ive impacts description	Reductio	er crossings remo n in # of road clos				
		supply contribution de						
Water supply contributions E stimated Cost Strategy Cost \$5,0	s? No Water	supply contribution de Amount of availab	escription -			% N	Vature-Based 0	

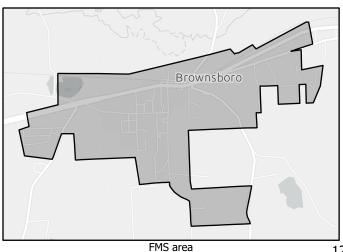
City of Brownsboro Public Education on Mitigation Techniques Title





REGIONAL FLOOD PLANNING GROUP

Strate	gy Details					
Strateg	y type	Education an	d Outreach		Соц	unty Henderson
Strategy	y description		rials and data sources to en ncrease awareness.	ducate citizens of all potent	al hazards in the planni	ing area and methods to mitig
	basis.	unties to perfor 00% participatic	m public education and awa	reness campaigns to better i Iblic education and awarenes		d-related risks on an annual form the public of flood-related
xistin	g 100-Year Flood	Risk				
opulati	on at risk 52		# of structures	32	Critical facilities	6 0
lood ris	k type: Riverine	e? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
arm/Ra	nch land impacted	(acres) 8		Roadway(s) impacted (mil	es) 1	
lumber	of low water crossi	ings 0		Historical road closures	0	
.00-Yea	ar Flood Risk Red	luction				
Populati	on removed from 1	.00-yr -		# of structures remove	ed from 100-yr	-
critical f	acilities removed fro	om 100-yr _		Farm/Ranch land rem	oved from 100-yr (acres)	-
Road rer	moved from 100-yr	(miles) -		Low water crossings re	emoved from 100-yr	-
Other be	enefits _			Reduction in # of road	closures over 10 years	
Impact	S					
Vegative	impacts?	No M	legative impacts description	-		
Vater su	ipply contributions?	? No	Vater supply contribution de	escription -		
stima	ted Cost					
Strategy	Cost \$5,00	00	Amount of availa	ble funding -		% Nature-Based 0
		L'ANT CHI]	Pallas	





12 of 147

Title City of Chandler Citizen/Business/City Mitigation Strategy Planning

ID# 052000013 Sponsor Chandler (Municipality) Reason for

RFPG recommend? Yes

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

states supply contribution of water cossings removed from 100-yr (acres) - costings removed from	Automates Education and Outreach County Henderson atesy description Encourage the development of public and private partnership with businesses, service organizations and other comm groups to work together on mitigation Soil 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Soil 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Soil 1: 00% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. sting 100-Year Flood Risk # of structures 29 Critical facilities 0 with type: Niverine? Yes Coastal? No Other? No n/Ranch land impacted (acres) 7 Roadway(s) impacted (milles) 1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -									
Strategy description Encourage the development of public and private partnership with businesses, service organizations and other com groups to work together on mitigation Goal 1: 10% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Addition 100-Year Flood Risk public flood risk Reduction public diverse in the counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. DO Year Flood Risk Reduction public diverse in the counties performing public education and evented (miles) 1 public of m100-yr proves from 100-yr prove	table y description Encourage the development of public and private partnership with businesses, service organizations and other communication Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual Jessie. Soal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual Deads. Sting 100-Year Flood Risk Ulation at risk 105 # of structures 29 Critical facilities 0 drink type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No NrRach land impacted (acres) 7 Readway(s) inpacted (nulles) 1 Historical road closures 0 Vear Flood Risk Reduction ulation removed from 100-yr er benefits Riverine? No Negative impacts description Farm/fianch land removed from 100-yr er benefits No Negative impacts description er supply contributions? No Negative impacts description er supply contributions? No Negative impacts description er supply contributions? Dallas Locuistan	Strategy D	Details							
groups to work together on mitigation Groups to work together on mitig	source is used to work together on mitigation Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public education and awareness campaigns to better inform the public education and awareness campaigns to better inform the public education and awareness campaigns to better inform the public	Strategy typ	ce	Education and	d Outreach				County	Henderson
basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis. basis.	Basis. Basis. Seal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-relativisk on an annual basis. Sting 100-Year Flood Risk If of structures 29 Critical facilities 0 Via the provide relativish 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-relativish on an annual basis. If of structures 29 Critical facilities 0 Via the provide relativish 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-relativish on an annual basis. If of structures 29 Critical facilities 0 If of structures	Strategy des	scription			nd private pa	rtnership with	businesses, se	rvice organizat	tions and other com
bould in at risk 105 # of structures 29 Critical facilities 0 load risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No arm/Ranch land impacted (arces) 7 Roadway(s) impacted (miles) 1 umber of low water crossings 0 Historical road closures 0 OD-Year Flood Risk Reduction apulation removed from 100-yr	ubuiton at risk 105 # of structures 29 Critical facilities 0 ad risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No myRanch land impacted (acres) 7 Roadway(b) impacted (nities) 1 <	basi Goal(s) Goa	iis. al 2: Maintain 1	100% participation			-			
lood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No arm/Ranch land impacted (acres) 7 Roadway(s) impacted (miles) 1 Historical road closures 0 000-Year Flood Risk Reduction opulation removed from 100-yr etain from 100-yr fritical facilities removed from 100-yr etain from 100-yr relations in the formation of the structures removed from 100-yr etain from 100-yr relations in the formation in the formation of the structures over 10 years etain in the formation	drisk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No m/Ranch land impacted (acres) 7 noter of low water crossings 0 Historical road closures 0 Historical road closures over 100-yr 1 Reduction in # of road closures over 10 years 1 Historical road closures 0 Historical road closure	xisting 10)0-Year Flooc	d Risk						
arm/Ranch land impacted (acres) 7 umber of low water crossings 0 OO-Year Flood Risk Reduction opulation removed from 100-yr ritical facilities removed from 100-yr ad removed from 100-yr ther benefits - Reduction in # of structures removed from 100-yr Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Mater supply contribution description - stimated Cost trategy Cost \$10,000 Amount of available funding - % Nature-Based 0 Mater supply contribution for available funding - Mater Supply Contribution f	n/Ranch land impacted (arres) 7 Roadway(s) impacted (miles) 1 https://facilities.calinoad closures 0 Hear Flood Risk Reduction ulation removed from 100-yr	opulation a	at risk 105		# of structures	29		Critical	facilities 0	
arm/Ranch land impacted (acres) 7 umber of low water crossings 0 Historical road closures 0 OO-Year Flood Risk Reduction opulation removed from 100-yr	n/Aanch land impacted (acres) 7 Roadway(s) impacted (miles) 1 here of low water crossings 0 Historical road closures 0 Hear Flood Risk Reduction ulation removed from 100-yr # of structures removed from 100-yr			ie? Yes	Coastal? No	Local?	Yes	Playa?	No	Other? No
umber of low water crossings 0 Historical road closures 0 OO-Year Flood Risk Reduction opulation removed from 100-yr initical facilities removed from 100-yr icares in the benefits if the ben	here of low water crossings 0 Historical road closures 0 Hear Flood Risk Reduction ulation removed from 100-yr			l (acres) 7	-	Roadwav(s)				
DO-Year Flood Risk Reduction applation removed from 100-yr	Prear Flood Risk Reduction # of structures removed from 100-yr - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <									
population removed from 100-yr initical facilities removed from 100-yr initical facilities removed from 100-yr (miles) coad removed from 10	ulation removed from 100-yr and the service of the			0						
ritical facilities removed from 100-yr (acres) - oad removed from 100-yr (miles) - ther benefits - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Parm/Ranch land removed from 100-yr (acres) - Low water crossings removed from 100-yr (acres) - Reduction in # of road closures over 10 years - Parms - Reduction in # of road closures over 10 years - Parms - Parms - Reduction in # of road closures over 10 years - Parms - Parms - Reduction in # of road closures over 10 years - Parms	ical facilities removed from 100-yr (miles) - Low water crossings removed from 100-yr (acres) - Low water crossings removed from 100-yr (acres) - Low water crossings removed from 100-yr (acres) - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction - Re	00-Year Fl	lood Risk Red	duction						
oad removed from 100-yr (miles) - Low water crossings removed from 100-yr - ther benefits Reduction in # of road closures over 10 years - Pacts egative impacts description - /ater supply contributions? No Water supply contribution description - stimated Cost trategy Cost \$10,000 Amount of available funding - % Nature-Based 0 Dallas Cost Chandler Chandler Chandler Chandler Cost Cost Cost Cost Cost Cost Cost Cost	d removed from 100-yr (miles) - Low water crossings removed from 100-yr - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction - Reduc	opulation r	emoved from :	100-yr -		# of stru	ictures removed	d from 100-yr	-	
add removed from 100-yr (miles) - Low water crossings removed from 100-yr - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction - Re	d removed from 100-yr (miles) - Low water crossings removed from 100-yr - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction in # of road closures over 10 years - Reduction - Redu	ritical facilit	ties removed fi	rom 100-yr 💷		Farm/Ra	anch land remo	ved from 100-y	r (acres) -	
npacts egative impacts? No Negative impacts description //der supply contributions? No Water supply contribution description stimated Cost trategy Cost \$10,000 Amount of available funding - % Nature-Based 0 Dallas LOUISIANA	er benefits - Reduction in # of road closures over 10 years -	oad remove	ed from 100-yr	r (miles)						
npacts egative impacts? No Negative impacts description - /ater supply contributions? No Water supply contribution description - stimated Cost trategy Cost \$10,00 Amount of available funding - % Nature-Based 0 Mount of available funding - % Nature-Based 0	Acts ative impacts? No Negative impacts description - ter supply contributions? No Water supply contribution description - inated Cost tegy Cost \$10,000 Amount of available funding - % Nature-Based 0	Other benefi	its _				-			
egative impacts? No Negative impacts description - /ater supply contributions? No Water supply contribution description - stimated Cost trategy Cost \$10,000 Amount of available funding - % Nature-Based 0	ative impacts? No Negative impacts description - ter supply contributions? No Water supply contribution description - Mater supply contribution - Mate									
Vater supply contributions? No Water supply contribution description - stimated Cost trategy Cost \$10,000 Amount of available funding - % Nature-Based 0	inated Cost tegy Cost \$10,000 Amount of available funding % Nature-Based 0 Integer Cost Chandler Cha	mpacts								
stimated Cost trategy Cost \$10,000 Amount of available funding - % Nature-Based 0	inated Cost tegy Cost \$10,000 Amount of available funding - % Nature-Based 0 Image: Chandler Chandle	legative imp	pacts?	No N	egative impacts description	-				
trategy Cost \$10,000 Amount of available funding _ % Nature-Based 0	teg Cos \$10,00 Amount of available funding - % Nature-Based 0	Vater supply	y contributions	s? No W	/ater supply contribution de	escription -				
trategy Cost \$10,000 Amount of available funding _ % Nature-Based 0	teg Cos \$10,00 Amount of available funding - % Nature-Based 0		Cost							
Chandler LOUISIANA	Chandler Chandler Chandler Chandler Chandler Chandler Chandler Chandler Chandler Chandler Chandler									
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Houston	HOUSEON			1ª W	and i m	~~~		: S		C.

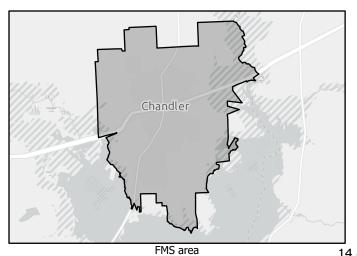
FMS area

13 of 147

Title City of Chandler Public E	ducation on Code Red System		NECH	HES
ID# 052000014 Sponsor	Chandler (Municipality)			
RFPG recommend? Yes	Reason for Recommendation	blies with RFPG Goals	REGIONAL FLOOD PLA	NNING GROUP
Strategy Details				
Strategy type Ed	ducation and Outreach		County	Henderson
	ovide public training and education in otifications	materials about the Cod	e Red system and how to reg	ister for the warning system
basis. Goal(s) Goal 2: Maintain 100% risks on an annual basis	participation of counties performing pu 5.	ublic education and aware	eness campaigns to better inform	n the public of flood-related
Existing 100-Year Flood Risl	k			
Population at risk 105	# of structures	29	Critical facilities 0	
Flood risk type: Riverine?	Yes Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acre	es) 7	Roadway(s) impacted (miles) <u>1</u>	
Number of low water crossings	0	Historical road closures	5 0	
100-Year Flood Risk Reduct	ion			
Population removed from 100-y	r -	# of structures rem	noved from 100-yr -	
Critical facilities removed from 1	.00-yr _	Farm/Ranch land r	emoved from 100-yr (acres) -	
Road removed from 100-yr (mile	es) -	Low water crossing	gs removed from 100-yr -	
Other benefits _		Reduction in # of r	oad closures over 10 years -	
Impacts Negative impacts? No				
Water supply contributions? No	o Water supply contribution de	escription -		
Estimated Cost				
Strategy Cost \$10,000	Amount of availa	able funding -	5	% Nature-Based 0

REGION 5

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14 of 147

Houston County Property Elevation and Public Education on NFIP Title

ID# 052000015 Sponsor Houston (County)

RFPG recommend? Yes

Reason for

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Strategy Details				
Strategy type	Education and Outreach		County	y Houston
Strategy description	Conduct program to educate re mapped floodplain areas.	sidents on NFIP/availability of flood	d insurance and elevating new	construction in and outside
basis.	counties to perform public education 100% participation of counties perf al basis.			
Existing 100-Year Floo	od Risk			
opulation at risk 16	# of st	ructures 17	Critical facilities)
lood risk type: River	ine? Yes Coastal? No	D Local? Yes	Playa? No	Other? Yes
arm/Ranch land impacte	ed (acres) 117	Roadway(s) impacted (miles) 20	
lumber of low water cro	ssings 7	Historical road closures	7	
Road removed from 100- Other benefits mpacts Jegative impacts?	No Negative impacts d	Reduction in # of ro	s removed from 100-yr - ad closures over 10 years -	
Vater supply contributio		ibution description -		
Estimated Cost	0,000 Amoun	t of available funding _		% Nature-Based 0
	man and a second	Austin	Dallas	LOUISIANA

15 of 147

FMS area

Regional view of FMS area

Houston

Houston County Public Education Program on Emergency Evacuation Title

ID# 052000016 Sponsor Houston (County)

RFPG recommend? Yes

Reason for

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Strategy Details			
Strategy type	Education and Outreach		County Houston
Strategy description	Conduct public education program an coordination with TxDOT.	d advertise Houston County I	Emergency Evacuation Plan, such as escape rout
basis.	100% participation of counties performing p		form the public of flood-related risks on an annual campaigns to better inform the public of flood-relat
Existing 100-Year Floo	od Risk		
Population at risk 16	# of structures	17	Critical facilities 0
-lood risk type: River	ine? Yes Coastal? No	Local? Yes	Playa? No Other? Yes
Farm/Ranch land impacte	ed (acres) 117	Roadway(s) impacted (miles	3) 20
Number of low water cro	ssings 7	Historical road closures	7
.00-Year Flood Risk R	eduction		
Population removed from		# of structures removed	from 100-yr
Critical facilities removed			ved from 100-yr (acres) -
Road removed from 100-			
	yr (mies)	Low water crossings ren	
Other benefits		Reduction in # of road c	losures over 10 years -
mpacts			
Negative impacts?	No Negative impacts descriptio	n -	
Water supply contributio	ns? No Water supply contribution of	lescription -	
Estimated Cost			
Strategy Cost \$22	2,200 Amount of avail	able funding _	% Nature-Based 0
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	2	Austin	
2	3/	Austin	
	X		Houston
	FMS area	16 of 147	Regional view of FMS area

itle City of Kennard Publi	c Awareness Program			N	ECT	IES
D# 052000017 Spons	or Houston (County)					
FPG recommend? Yes		son for ommendation	plies with RFPG Goals	REGION	IAL FLOOD PLA	NNING GROUP
Strategy Details						
Strategy type	Education and Outro	each			County	Houston
Strategy description	Conduct public awa insurance.	areness program a	nd distribute NFIP e	ducation infor	mation to citizens in	cluding availability of flo
Goal 1: 100% of cou basis. Goal(s) Goal 2: Maintain 10 risks on an annual b	0% participation of co					ated risks on an annual the public of flood-related
xisting 100-Year Flood I	Risk					
opulation at risk 16		# of structures	17		Critical facilities 0	
ood risk type: Riverine	? Yes Co	oastal? No	Local? Yes		Playa? No	Other? Yes
arm/Ranch land impacted (acres) 117		Roadway(s) impac	ted (miles)	20	
umber of low water crossin	ngs 7		Historical road clo	sures	7	
00-Year Flood Risk Redu	uction					
opulation removed from 10)0-yr -		# of structure	s removed from	100-yr -	
ritical facilities removed fro					om 100-yr (acres) -	
oad removed from 100-yr (miles)			ssings removed		
ther benefits				-	es over 10 years -	
mpacts legative impacts? Vater supply contributions?		e impacts descriptio upply contribution o				
stimated Cost						
trategy Cost \$10,00	00	Amount of avail	able funding		%	Nature-Based 0
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REGION 5

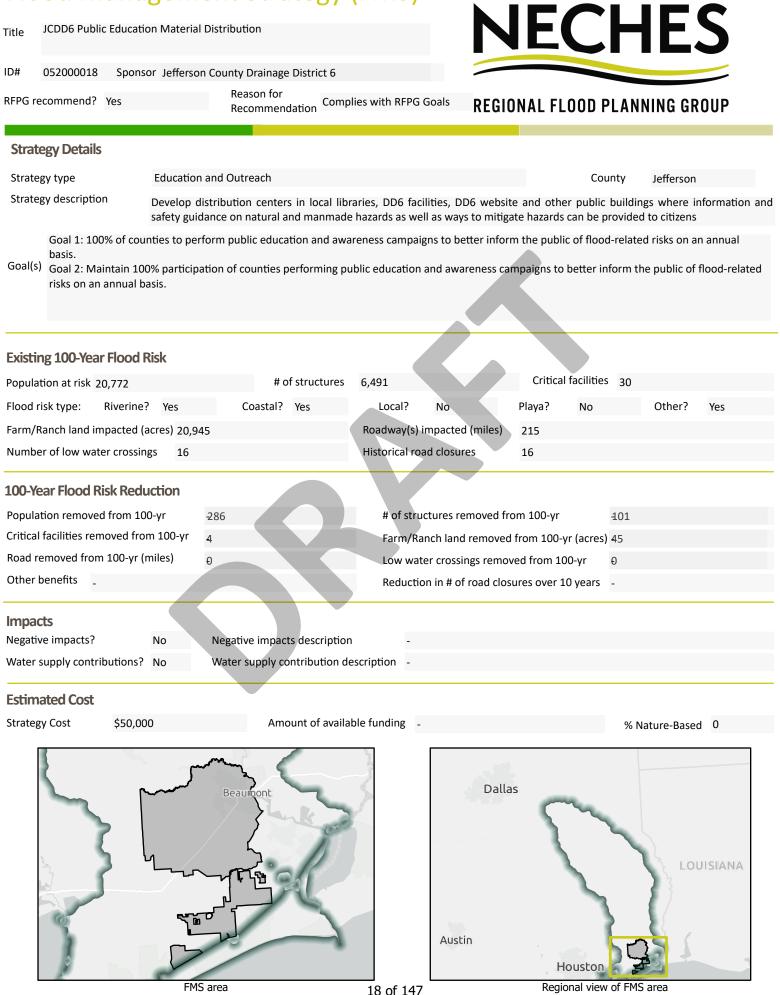
FMS area



Austin

Regional view of FMS area

Houston



Title City of Daisetta Education of City Council on Mitigation Benefits

 ID#
 052000019
 Sponsor
 Daisetta (Municipality)

 RFPG recommend?
 Yes
 Reason for Recommendation
 Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Strategy Details								
Strategy type	Education and Out	each				County	Liberty	
Strategy description	Educate City Counci	l on benefits of mitiga	tion and encou	rage council men	nbers to bec	come more inv	olved.	
basis.	unties to perform pub 00% participation of co basis.							
Existing 100-Year Flood	Risk							
Population at risk 0		# of structures	0		Critica	facilities 0		
Flood risk type: Riverine	e? Yes C	Coastal? No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted	(acres) 0		Roadway(s) ii	mpacted (miles)	0			
Number of low water crossi	ngs 0		Historical roa	d closures	0			
Population removed from 1 Critical facilities removed fro Road removed from 100-yr Other benefits	om 100-yr	R	Farm/Rai	tures removed finch land removed arch land removed er crossings remo n in # of road clo	d from 100-v)0-yr -		
Impacts Negative impacts? Water supply contributions?		e impacts description supply contribution de						
Estimated Cost Strategy Cost \$10,0	00	Amount of availal	ble funding -			%	Nature-Base	d O
$\frac{\partial h}{\partial t} = \frac{\partial h}{\partial t} = \frac{\partial h}{\partial t}$ $\frac{\partial h}{\partial t} = \frac{\partial h}{\partial t} = \frac{\partial h}{\partial t}$ $\frac{\partial h}{\partial t} = \frac{\partial h}{\partial t}$	Daisetta			Dall	as		LOI	UISIANA

19 of 147

FMS area

Austin

Regional view of FMS area

Houston

	nagement	Suategy	rivis)		
tle City of Nacogdoch	hes Public Education Pro	gram		NE(CHES
# 052000020 Sp	oonsor Nacogdoches (M	unicipality)			
PG recommend? Yes		ason for commendation	es with RFPG Goals	REGIONAL FLOO	DD PLANNING GROUP
Strategy Details					
trategy type	Education and Out	reach			County Nacogdoches
trategy description	Develop and promo	ote a public education p	program regarding floo	d hazards, NFIP, and floc	od plain regulations.
basis.	n 100% participation of c				f flood-related risks on an annual tter inform the public of flood-related
kisting 100-Year Floo	od Risk				
opulation at risk 5,331		# of structures	446	Critical fac	cilities 1
ood risk type: River	rine? Yes C	Coastal? No	Local? Yes	Playa? I	No Other? No
arm/Ranch land impacte			Roadway(s) impacted		
umber of low water cro	ossings 0		Historical road closur	res 0	
00-Year Flood Risk R	eduction				
opulation removed from	n 100-yr -		# of structures re	moved from 100-yr	
ritical facilities removed	from 100-yr		Farm/Ranch land	l removed from 100-yr (a	acres) -
oad removed from 100-	-yr (miles)		Low water crossi	ngs removed from 100-y	rr -
ther benefits _			Reduction in # of	road closures over 10 y	ears -
npacts egative impacts?	No Negativ	ve impacts description	-		
	ons? No Water :	supply contribution des	scription -		
stimated Cost					
/ater supply contributio stimated Cost trategy Cost \$20	ons? No Water : 0,000	Amount of availab			% Nature-Based 0

REGION 5

FMS area

20 of 147

Title

ID#



REGION 5

Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk Critical facilities 0 Population at risk 368 # of structures 84 Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes Farm/Ranch land impacted (acres) 62 Roadway(s) impacted (miles) 17 Number of low water crossings Historical road closures 8 8 **100-Year Flood Risk Reduction** Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years Impacts Negative impacts? Negative impacts description No Water supply contributions? No Water supply contribution description

Estimated Cost Strategy Cost \$50,000 Amount of available funding % Nature-Based 0 R Dallas Austin Houston

FMS area

21 of 147

San Augustine County Public Education on Mitigation Techniques Title

ID# 052000022 Sponsor San Augustine (County)

RFPG recommend? Yes

Reason for

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Strategy Details							
Strategy type	Education and	Outreach				County	San Augustine
Strategy description	Includes progra	ams in schools and senior o	citizen centers,	pamphlets, and o	community n	neetings.	
basis.	n 100% participation	public education and awa of counties performing pu					
xisting 100-Year Flo	od Risk						
opulation at risk 146		# of structures	64		Critica	facilities 0	
lood risk type: Rive	rine? Yes	Coastal? No	Local?	Yes	Playa?	No	Other? No
arm/Ranch land impact	ed (acres) 42		Roadway(s)	impacted (miles)	13		
lumber of low water cro	ossings 2		Historical ro	ad closures	2		
00-Year Flood Risk R	Reduction						
opulation removed fror	m 100-yr -		# of stru	ctures removed	from 100-yr	-	
ritical facilities removed	d from 100-yr		Farm/Ra	anch land remove	ed from 100-	yr (acres) -	
oad removed from 100	-yr (miles)		Low wat	er crossings rem	oved from 10)0-yr -	
other benefits			Reductio	on in # of road clo	osures over 1	.0 years -	
mpacts legative impacts? Vater supply contributic		gative impacts description ater supply contribution de					
	0,600	Amount of availa	ble funding _			% 1	Nature-Based 0
ogdo hes		R	Tole Ben ese	Dal	las		LOUISIANA

FMS area

22 of 147

	lagement	t Strategy (LINID		
tle Shelby County Pu	blic Education on Haza	ards		NE(CHES
# 052000023 Sp	onsor Shelby (County	/)			
PG recommend? Yes		Reason for	es with RFPG Goals		OD PLANNING GROUP
	ŀ	Recommendation		REGIONALTEO	OD FLANNING GROOF
Strategy Details					
Strategy type	Education and O	utreach			County Shelby
Strategy description	Educate the resid	dents of Shelby County a	nd participating juris	dictions on safety and pla	anning for the hazards identified in t
basis.	100% participation o				f flood-related risks on an annual tter inform the public of flood-related
xisting 100-Year Floo	od Risk				
opulation at risk 8		# of structures	15	Critical fac	cilities 0
ood risk type: River	ine? Yes	Coastal? No	Local? Yes	Playa?	No Other? No
arm/Ranch land impacte	ed (acres) 56		Roadway(s) impacte	ed (miles) 5	
umber of low water cro	ssings 4		Historical road close	ures 4	
00-Year Flood Risk R	eduction				
opulation removed from	100-yr -		# of structures	removed from 100-yr	-
ritical facilities removed				nd removed from 100-yr (a	acres) -
oad removed from 100-	yr (miles)			sings removed from 100-y	
ther benefits _			Reduction in # (of road closures over 10 y	ears -
mpacts egative impacts? /ater supply contribution		ative impacts description er supply contribution de	- scription -		
stimated Cost trategy Cost \$50	0,000	Amount of availab	le funding		0/ Natura Dagad
					% Nature-Based 0
				Dallas	LOUISIANA

REGION 5

FMS area

23 of 147

itle City of Groveton	Public Education or	Mitigation Actions		NEC	CH	IFS
052000024 5-	oncor Crevetor (N	A				
D# 052000024 Sp	oonsor Groveton (N					
FPG recommend? Yes		Reason for Recommendation	lies with RFPG Goals	REGIONAL FLO	OD PLANN	IING GROUP
Strategy Details						
Strategy type	Education and	d Outreach			County	Trinity
Strategy description	Create a progr	am to educate the public al	bout specific mitigatio	n actions for multiple ha	azards	
ioal(s) Goal 2: Maintair risks on an annu		n of counties performing pu	blic education and aw	areness campaigns to be	etter inform the	e public of flood-relate
xisting 100-Year Floo	od Risk					
opulation at risk 2		# of structures	3	Critical fa	acilities 0	
lood risk type: River	rine? Yes	Coastal? No	Local? Yes	Playa?	No	Other? No
arm/Ranch land impacte	ed (acres) 0		Roadway(s) impacte	ed (miles) 0		
umber of low water cro	ossings 0		Historical road closu	ures 0		
00-Year Flood Risk R	eduction					
opulation removed from	n 100-yr -		# of structures r	removed from 100-yr	-	
ritical facilities removed	from 100-yr		Farm/Ranch lan	nd removed from 100-yr	(acres) -	
oad removed from 100-	yr (miles)		Low water cross	sings removed from 100	-yr -	
ther benefits			Reduction in # c	of road closures over 10	years -	
mpacts legative impacts? Vater supply contributio		egative impacts description /ater supply contribution de				
Estimated Cost						
strategy Cost \$5	,100	Amount of availa	ble funding _		% Na	ature-Based 0
				Dallas	~	

REGION 5

Strategy Cost \$5,00 Amount of available funding - % Nature-Based 0

FMS area

24 of 147

Title	Trinity County Public Education on Mitigation Actions

ID# 052000025 Sponsor Trinity (County)

RFPG recommend? Yes

Reason for

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Strate	gy Details								
Strateg	gy type	Education and 0	Dutreach				County	Trinity	
Strateg	y description	Create a prograr	n to educate the public a	about specific mi	tigation actions fo	or multiple h	azards		
Goal(s)	basis.	00% participation o	public education and aw						
Existin	g 100-Year Flood	Risk							
Populati	ion at risk 15		# of structures	32		Critical f	acilities 0		
Flood ris	sk type: Riverine	? Yes	Coastal? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ra	anch land impacted	(acres) 68		Roadway(s) ii	mpacted (miles)	22			
Number	r of low water crossi	ngs 1		Historical roa	d closures	1			
	facilities removed fro				nch land removed	from 100-yr			
Road rei Other be Impact Negative	moved from 100-yr enefits	om 100-yr - (miles) - No Neg	ative impacts descriptio ter supply contribution d	Farm/Ran Low wate Reductio n -		from 100-yr ved from 100)-yr -		
Road ren Other be Impact Negative Water su Estima	moved from 100-yr enefits ts e impacts? upply contributions? ted Cost	om 100-yr (miles) - No Neg No Wat	ter supply contribution d	Farm/Rai Low wate Reductio n - lescription -	nch land removed er crossings remov	from 100-yr ved from 100	l-yr - years -	Nature-Raced	0
Road ren Dther bo mpact Negative Water su	moved from 100-yr enefits ts e impacts? upply contributions? ted Cost	om 100-yr (miles) - No Neg No Wat	ter supply contribution d	Farm/Rai Low wate Reductio n - description - able funding -	nch land removed er crossings remov	from 100-yr ved from 100 ures over 10	l-yr - years -		0 SIANA

NECHES Anderson County Code Red System Title ID# 052000026 Sponsor Anderson (County) Reason for RFPG recommend? Yes Complies with RFPG Goals **REGIONAL FLOOD PLANNING GROUP** Recommendation **Strategy Details** Strategy type Flood Measurement and Warning County Strategy description Plan and implement a new publicity campaign to expand enrollment in CODE RED notification system; use CODE RED to warn of impending hazard events. Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal(s) Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. **Existing 100-Year Flood Risk** Critical facilities 0 Population at risk 73 # of structures 69 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Farm/Ranch land impacted (acres) 348 Roadway(s) impacted (miles) 22 Number of low water crossings Historical road closures 2 2 **100-Year Flood Risk Reduction** Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years Impacts Negative impacts? Negative impacts description No Water supply contributions? No Water supply contribution description

REGION 5

Anderson

Other?

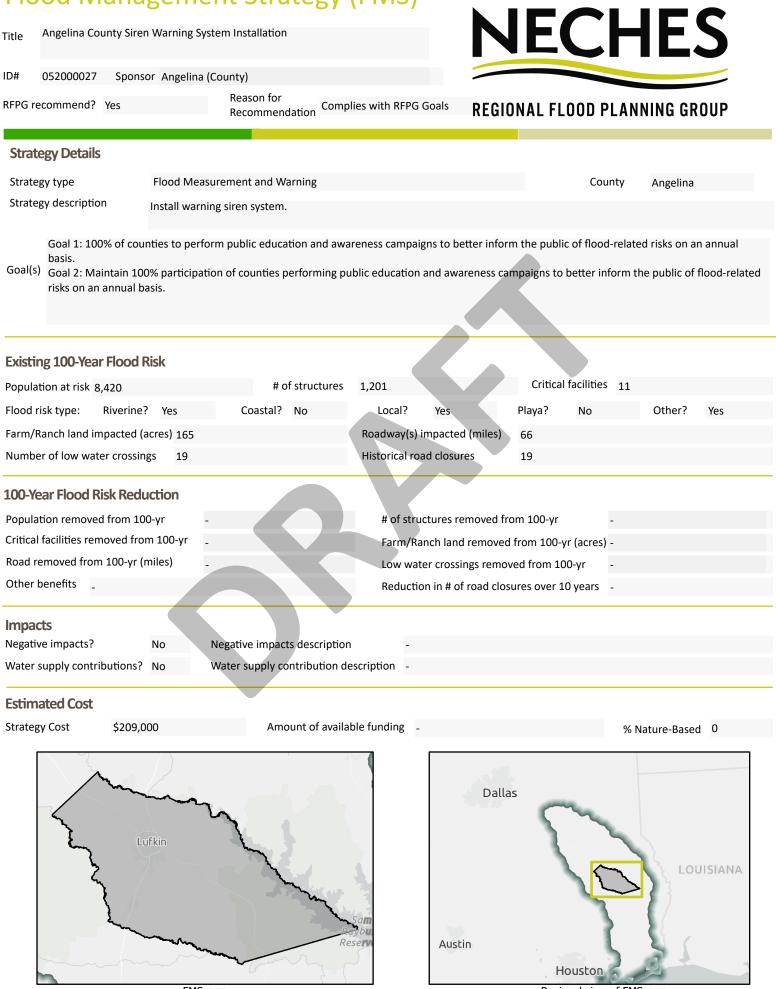
No

Estimated Cost

Strategy Cost \$100,000 Amount of available funding % Nature-Based 0 Dallas Austin Houston

FMS area

26 of 147



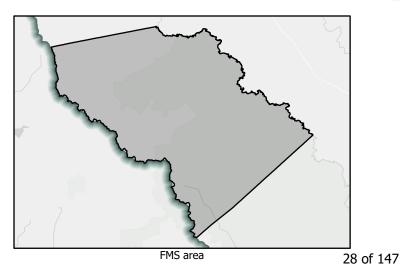
REGION 5

FMS area

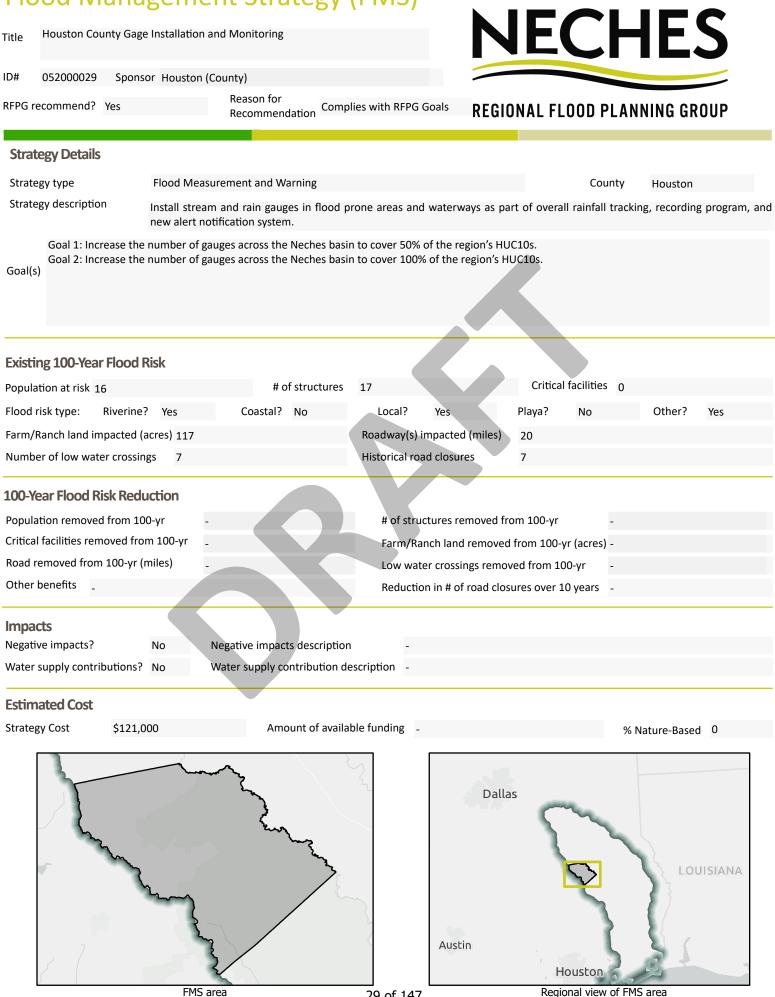
27 of 147

rioou Managerii	ent strategy (FIVIS)	
Title Houston County Alert/Notification	n System Installation	NECHES
ID# 052000028 Sponsor Houston	(County)	
RFPG recommend? Yes	Reason for Recommendation	REGIONAL FLOOD PLANNING GROUP
Strategy Details		
Strategy type Flood Mea	surement and Warning	County Houston
Strategy description Purchase a	nd install I-info alert/notification system including or	ne user license per jurisdiction or participating entity.
risks on an annual basis.	tion of counties performing public education and aw	vareness campaigns to better inform the public of flood-related
Existing 100-Year Flood Risk		Critical facilities 0
Population at risk 16	# of structures 17	
Flood risk type: Riverine? Yes	Coastal? No Local? Yes	Playa? No Other? Yes
Farm/Ranch land impacted (acres)117Number of low water crossings7	Roadway(s) impacto Historical road close	
100-Year Flood Risk Reduction		
Population removed from 100-yr	- # of structures	removed from 100-yr -
Critical facilities removed from 100-yr	- Farm/Ranch lar	nd removed from 100-yr (acres) -
Road removed from 100-yr (miles)	- Low water cros	sings removed from 100-yr
Other benefits _	Reduction in # o	of road closures over 10 years -
Impacts		
Negative impacts? No	Negative impacts description -	
Water supply contributions? No	Water supply contribution description -	
Estimated Cost		

REGION 5

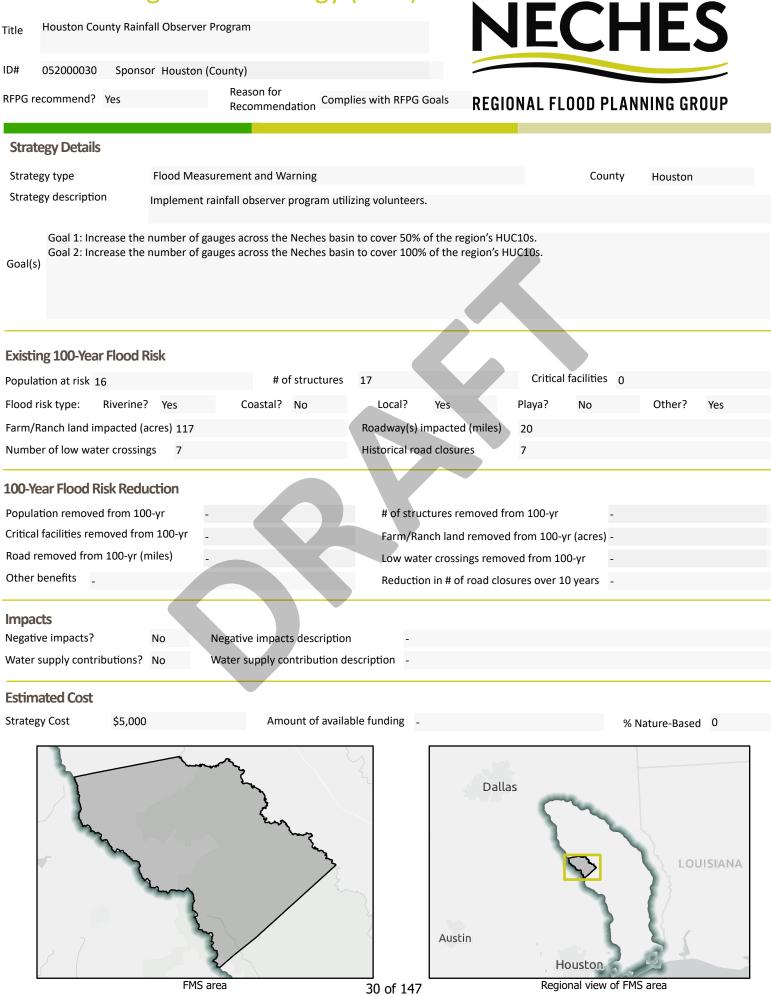






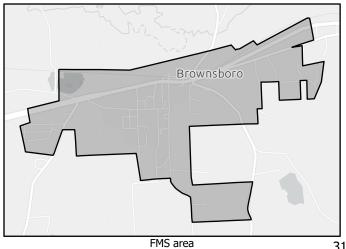
REGION 5

29 of 147



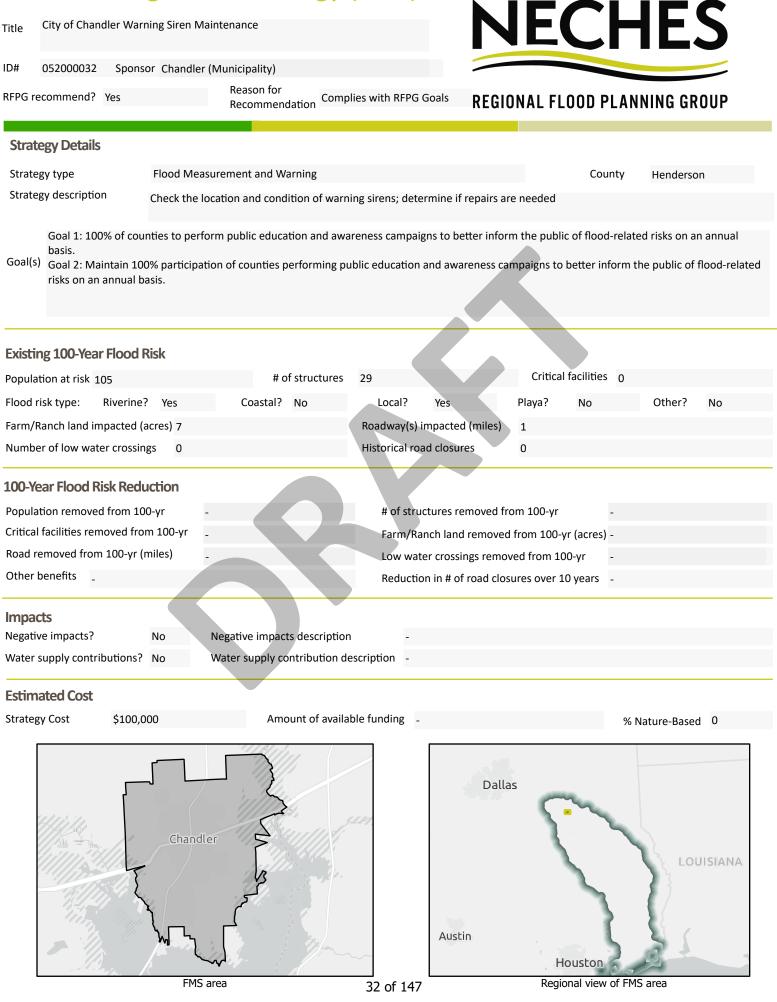
Title	City of Brownsbor	ວ Code Red Sy	stem Implementation		NE	C	IES
ID#	052000031 Spc	onsor Browns	boro (Municipality)				
RFPG r	recommend? Yes		Reason for Recommendation	blies with RFPG Goals	REGIONAL F	LOOD PLAN	INING GROUP
Stra	tegy Details						
Strat	egy type	Flood Me	asurement and Warning			County	Henderson
Strate	egy description	Obtain ac managem	ccess and/or incorporate the ent plan	use of the automated	d emergency calling	g system, Code	Red, into local emergency
Goal(risks on an annua	al basis.	ation of counties performing p	ublic education and aw	areness campaigns t	to better inform t	he public of flood-related
	ing 100-Year Floo	d Risk				al facilities 0	
	ation at risk 52	2 14	# of structures	32			
	//	ne? Yes	Coastal? No	Local? Yes	Playa?	No	Other? No
	Ranch land impacte per of low water cros			Roadway(s) impacte Historical road closu			
1 00 -)	ear Flood Risk Re	duction					
Popul	ation removed from	100-yr	-	# of structures r	removed from 100-y	r -	
Critica	al facilities removed	from 100-yr	-	Farm/Ranch lan	d removed from 100)-yr (acres) -	
Road	removed from 100-y	/r (miles)	-	Low water cross	sings removed from	100-yr -	
Other	benefits _			Reduction in # c	of road closures over	10 years -	
-	ive impacts?	No	Negative impacts descriptio				
water	r supply contributior	ns? No	Water supply contribution d	escription -			
Estin	nated Cost						
Strate	egy Cost \$10	0,000	Amount of availa	able funding		%	Nature-Based 0

REGION 5





31 of 147



	Varning Siren System	Installation		NE	CH	IES
D# 052000033 Spon	nsor Murchison (Mu	nicipality)				
RFPG recommend? Yes		eason for ecommendation	lies with RFPG Goals	REGIONAL FL	.00D PLAN	IING GROUP
Strategy Details						
Strategy type	Flood Measurem	ent and Warning			County	Henderson
Strategy description	Obtain early war occurrence	ning siren system insta	allment inside jurisdic	tion to assist in put	lic notification o	of hazard prior to hazar
basis.	00% participation of	ublic education and awa counties performing pu				l risks on an annual e public of flood-related
Existing 100-Year Flood	Risk					
Population at risk 1		# of structures	3	Critica	l facilities 0	
Flood risk type: Riverine	e? Yes	Coastal? No	Local? Yes	Playa?	No	Other? No
Farm/Ranch land impacted	(acres) 0		Roadway(s) impacte	d (miles) 0		
Number of low water crossi	ings 0		Historical road closu	res 0		
Population removed from 1 Critical facilities removed fr Road removed from 100-yr Other benefits	om 100-yr		Farm/Ranch land	emoved from 100-yr d removed from 100- ings removed from 10 f road closures over 1)0-yr -	
Impacts	No Nega	tive impacts description	-			
		r supply contribution de	escription -			
Water supply contributions'		r supply contribution de	escription -			
Negative impacts? Water supply contributions Estimated Cost Strategy Cost \$100,	? No Wate	r supply contribution de			% Na	ature-Based 0

REGION 5

33 of 147

FMS area

Title JCDD6 Increase Flood Predictive Capability for Streams and Creeks

 ID#
 052000034
 Sponsor
 Jefferson County Drainage District 6

 RFPG recommend?
 Yes
 Reason for Recommendation
 Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

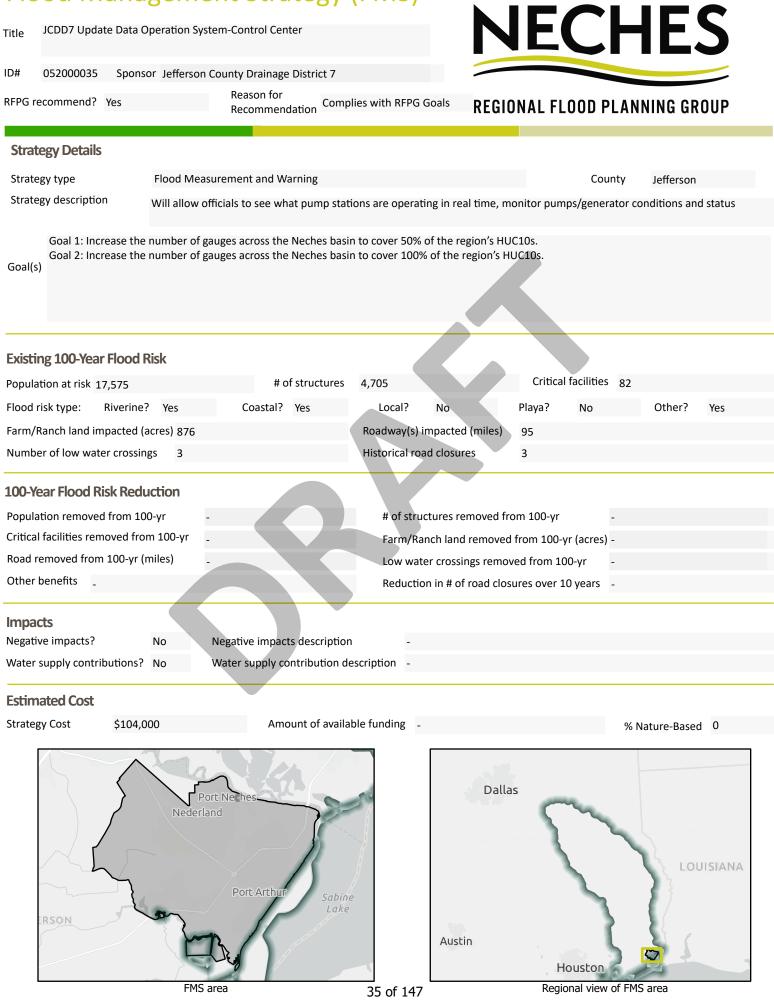
Strategy Details							
Strategy type	Flood Measurement	and Warning				County	Jefferson
Strategy description	Utilize ALERT station the flood warnings a		ional Weather S	ervice to help c	itizens of the	e Bevil Oaks co	mmunity better unde
basis.	counties to perform publi n 100% participation of co al basis.						
Existing 100-Year Floo	od Risk						
Population at risk 20,772	2	# of structures	6,491		Critical	facilities 30	
lood risk type: River	rine? Yes Co	oastal? Yes	Local?	No	Playa?	No	Other? Yes
arm/Ranch land impacte	ed (acres) 20,945		Roadway(s) ir	npacted (miles)	215		
lumber of low water cro	ossings 16		Historical roa	d closures	16		
Other benefits mpacts legative impacts?	No Negative	e impacts description		n in # of road clo	sures over 1	0 years -	
Nater supply contributio		apply contribution de					
Estimated Cost							
Strategy Cost \$1	00,000	Amount of availa	ble funding -			% 1	Nature-Based 0
	Beaum	Pont		Dall	as		LOUISIANA

FMS area

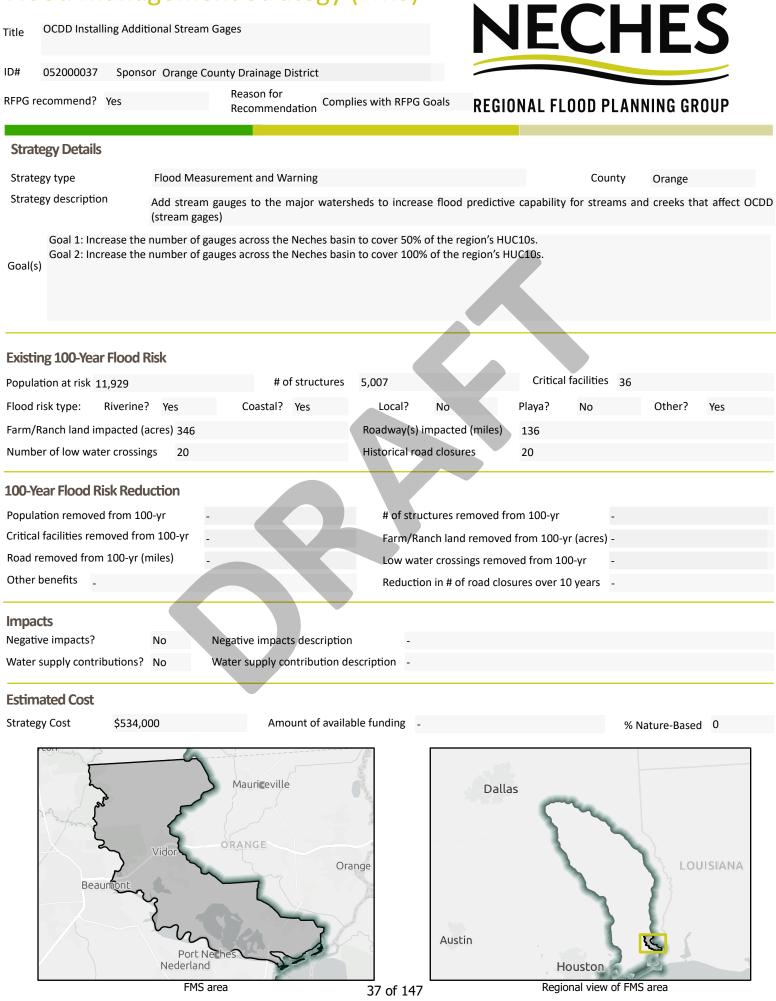
34 of 147

Regional view of FMS area

Houston

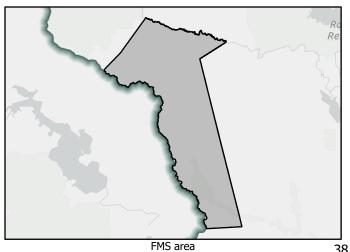


	ement Strategy			
e OCDD Hazard Notification S	System Development		NECH	1ES
052000036 Sponsor Or	range County Drainage District			
PG recommend? Yes	Reason for Recommendation	nplies with RFPG Goals	GIONAL FLOOD PLA	NNING GROUP
trategy Details				
rategy type Floc	od Measurement and Warning		County	Orange
	elop employee emergency notificat	tion system to warn staff of imm	inent hazards/risks.	Ū
basis.	to perform public education and av			
isting 100-Year Flood Risk				
pulation at risk 11,929	# of structure	s 5,007	Critical facilities 36	
od risk type: Riverine? Ye	es Coastal? Yes	Local? No	Playa? No	Other? Yes
m/Ranch land impacted (acres)	1 346	Roadway(s) impacted (mile	s) 136	
mber of low water crossings	20	Historical road closures	20	
tical facilities removed from 100 ad removed from 100-yr (miles) her benefits		Low water crossings re	ved from 100-yr (acres) - moved from 100-yr - closures over 10 years -	
pacts	Negative impacts descripti			
gative impacts? No				
gative impacts? No	Water supply contribution	description -		
gative impacts? No Iter supply contributions? No		description -		
			%	Nature-Based 0



itle	Polk County Ir	nproved Hazard Co	mmunication		N	ECH	163
D#	052000038	Sponsor Polk (Co	unty)				
FPG	recommend? Y	es	Reason for Recommendation	plies with RFPG Goals	REGIO	NAL FLOOD PLA	NNING GROUP
Stra	ntegy Details						
Strat	tegy type	Flood Mea	asurement and Warning			County	Polk
Strat	tegy description	Upgrade ar	nd expand implementation of	natural hazard warning	g systems and	d methods.	
Goal(risks on an ai	nnual basis.	ition of counties performing p	ublic education and aw	vareness cam	paigns to better inforn	n the public of flood-relate
xist	ing 100-Year F	lood Risk					
opul	lation at risk 368	}	# of structures	84		Critical facilities 0	
		iverine? Yes	Coastal? No	Local? No		Playa? No	Other? Yes
	/Ranch land imp ber of low water	acted (acres) 62 crossings 8		Roadway(s) impacte Historical road closu		17 8	
NUTTI		crossings o			lies	0	
.00-`	Year Flood Ris	k Reduction					
opu	lation removed f	rom 100-yr	-	# of structures r	removed fror	n 100-yr -	
ritic	al facilities remo	ved from 100-yr		Farm/Ranch lan	nd removed f	rom 100-yr (acres) -	
Road	removed from 1	00-yr (miles)		Low water cross	sings remove	d from 100-yr -	
	r benefits			Reduction in # c	of road closu	res over 10 years -	
Othe			Negative impacts descriptio				
mpa Negat	acts tive impacts? r supply contribu	No utions? No	Water supply contribution d	lescription -			
mpa Negat Vate	tive impacts?		Water supply contribution o	lescription -			
mpa Jegat Vate	tive impacts? r supply contribu		Water supply contribution d			9	6 Nature-Based 0

REGION 5





38 of 147

Shelby County Electronic Hazard Warning Message Board Acquisition Title

ID# 052000039 Sponsor Shelby (County)

RFPG recommend? Yes

Reason for

Complies with RFPG Goals Recommendation



REGIONAL FLOOD PLANNING GROUP

Strategy Details								
01								
Strategy type	Flood Measurement a	nd Warning				County	Shelby	
Strategy description	Acquire electronic mes	sage board for use	during disaster	r response and rec	overy operat	ions		
basis.	ounties to perform public .00% participation of cour basis.							
xisting 100-Year Flood	Risk							
opulation at risk 8		# of structures	15		Critical fa	acilities 0		
lood risk type: Riverin	e? Yes Coa	stal? No	Local?	Yes	Playa?	No	Other?	No
arm/Ranch land impacted	(acres) 56		Roadway(s) i	mpacted (miles)	5			
lumber of low water cross	ings 4		Historical roa	ad closures	4			
	· (miles)		Low wate	nch land removed er crossings remov n in # of road clos		-yr -		
Road removed from 100-yr Other benefits - mpacts Negative impacts? Water supply contributions	No Negative i	mpacts description ply contribution de	Low wate Reductio	er crossings remov		-yr -		
Dther benefits mpacts Negative impacts?	No Negative i ? No Water sup		Low wate Reductio	er crossings remov		-yr - years -	Nature-Based	0

	nsor Shelby (County) Rea	ison for						
FPG recommend? Yes		commendation Comp	lies with RFPG Goa	REGIO	NAL FLO	OD PLAN	NING GRO	UP
Strategy Details								
Strategy type	Flood Measuremer	t and Warning				County	Shelby	
Strategy description	Install warning sirer	s at strategic location	s for use during dis	saster events				
basis.	ounties to perform pub 100% participation of co basis.							
Existing 100-Year Flood	l Risk							
Population at risk 8		# of structures	15		Critical fac	cilities 0		
		Coastal? No		es	,	No	Other?	No
arm/Ranch land impacted			Roadway(s) impa Historical road cl		5 4			
without of tow watch cross					-			
00-Year Flood Risk Red	duction							
Population removed from 2	100-yr -		# of structur	es removed fro	om 100-yr	-		
critical facilities removed fi	°om 100-yr _		Farm/Ranch	land removed	from 100-yr (acres) -		
Road removed from 100-yr	(miles)		Low water ci	rossings remov	ed from 100-y	/r -		
Other benefits			Reduction in	n # of road closu	ures over 10 y	ears -		
mpacts Negative impacts?	No Negativ	e impacts description						
Water supply contributions	? No Water s	supply contribution de	escription -					
Estimated Cost								
	19,000	Amount of availal	ble funding			% N	lature-Based	0
ATTATERY LOST S3 3	13,000					70 IN	lature-baseu	0
trategy Cost \$3,3								

REGION 5

FMS area

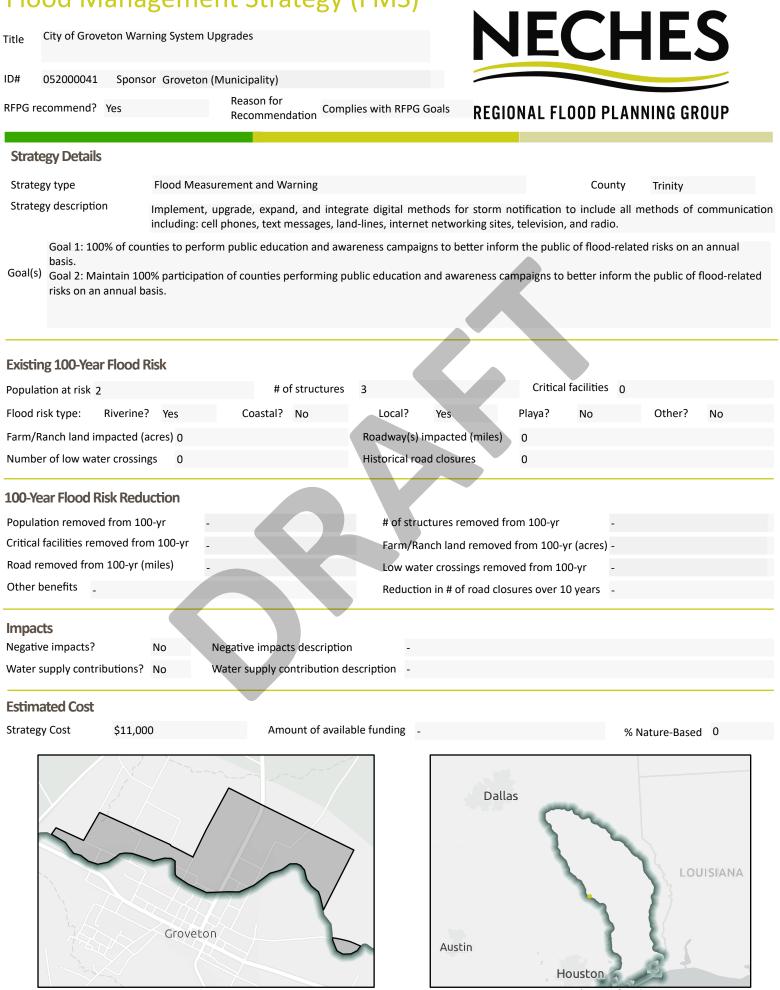
40 of 147

Austin

Regional view of FMS area

Houston

LOUISIANA



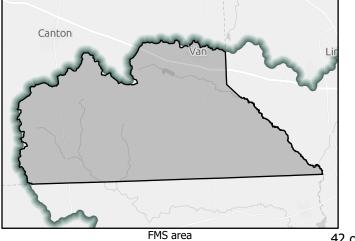
REGION 5

FMS area

41 of 147

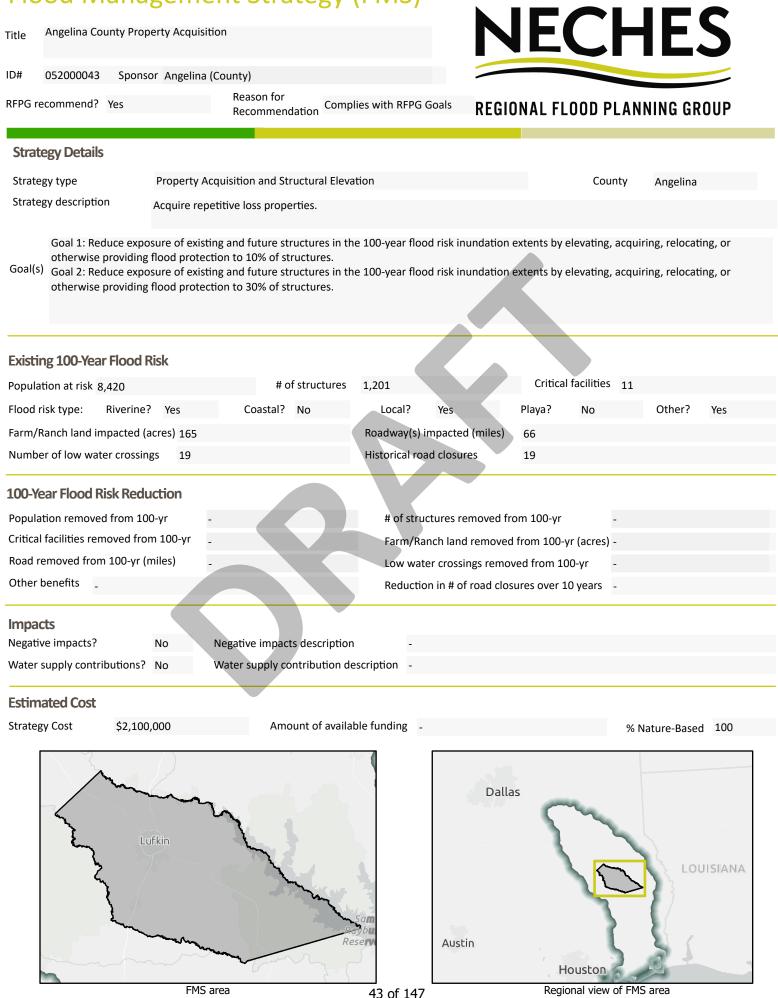
1 **C** .

Flood Mana	gemer	nt Strategy	(FMS)	REGION 5		
itle Van Zandt County Wa	arning System Ac	cquisition		NE		IES
D# 052000042 Spons	or Van Zandt (C	ounty)				
RFPG recommend? Yes		Reason for Recommendation	plies with RFPG Goals	REGIONAL F	LOOD PLAN	INING GROUP
Strategy Details						
Strategy type	Flood Measure	ement and Warning			County	Van Zandt
Strategy description		nstall Warning Systems ved communications and		, including Incorpo	rated Jurisdictio	ns. Reduce risk to citizens
Goal(s) Goal 2: Maintain 10 risks on an annual b					o better miorin (he public of flood-related
	Diala					
-	Risk	# of structures	217	Critic	al facilities 0	
opulation at risk 233		# of structures	5 217 Local? Yes	Critic Playa?	al facilities 0	Other? Yes
opulation at risk 233 ood risk type: Riverine	? Yes			Playa?	-	Other? Yes
opulation at risk 233 lood risk type: Riverine arm/Ranch land impacted (? Yes acres) 232		Local? Yes	Playa? d (miles) 13	-	Other? Yes
opulation at risk 233 lood risk type: Riverine arm/Ranch land impacted (lumber of low water crossir	? Yes acres) 232 ngs 0		Local? Yes Roadway(s) impacted	Playa? d (miles) 13	-	Other? Yes
opulation at risk 233 ood risk type: Riverine arm/Ranch land impacted (umber of low water crossir DO-Year Flood Risk Redu	? Yes acres) 232 ngs 0 uction		Local? Yes Roadway(s) impacted Historical road closur	Playa? d (miles) 13	No	Other? Yes
opulation at risk 233 lood risk type: Riverine arm/Ranch land impacted (umber of low water crossir DO-Year Flood Risk Redu opulation removed from 10	? Yes acres) 232 acres) 232 acres 0 ac		Local? Yes Roadway(s) impacted Historical road closur # of structures re	Playa? d (miles) 13 res 0	No r -	Other? Yes
opulation at risk 233 lood risk type: Riverine arm/Ranch land impacted (lumber of low water crossin 00-Year Flood Risk Red opulation removed from 10 ritical facilities removed from	Yes acres) 232 ngs 0 uction 00-yr m 100-yr		Local? Yes Roadway(s) impacted Historical road closur # of structures re Farm/Ranch land	Playa? d (miles) 13 res 0	No r -)-yr (acres)	Other? Yes
opulation at risk 233 lood risk type: Riverine arm/Ranch land impacted (lumber of low water crossir 00-Year Flood Risk Redu opulation removed from 10 ritical facilities removed fro oad removed from 100-yr (Yes acres) 232 ngs 0 uction 00-yr m 100-yr		Local? Yes Roadway(s) impacted Historical road closur # of structures re Farm/Ranch land Low water crossi	Playa? d (miles) 13 res 0 emoved from 100-yr d removed from 100	No r - 2 2-yr (acres) - 100-yr -	Other? Yes
Population at risk 233 Flood risk type: Riverine Farm/Ranch land impacted (Number of low water crossin OO-Year Flood Risk Redu Population removed from 10 Critical facilities removed from 10 Critical facilities removed from 100-yr (Dther benefits _	? Yes acres) 232 ngs 0 uction 00-yr - m 100-yr - miles) - No Ne		Local? Yes Roadway(s) impacted Historical road closur # of structures re Farm/Ranch land Low water crossi Reduction in # of	Playa? d (miles) 13 res 0 emoved from 100-yr d removed from 100 ings removed from 100	No r - 2 2-yr (acres) - 100-yr -	Other? Yes
Existing 100-Year Flood I Population at risk 233 Flood risk type: Riverine Farm/Ranch land impacted (Jumber of low water crossin CO-Year Flood Risk Reduce Population removed from 100 Critical facilities removed from 100 Critical facilities removed from 100-yr (Dather benefits - Cother benefits - Cother benefits - Cother benefits - Cother supply contributions?	? Yes acres) 232 ngs 0 uction 00-yr - m 100-yr - miles) - No Ne	Coastal? No	Local? Yes Roadway(s) impacted Historical road closur # of structures re Farm/Ranch land Low water crossi Reduction in # of	Playa? d (miles) 13 res 0 emoved from 100-yr d removed from 100 ings removed from 100	No r - 2 2-yr (acres) - 100-yr -	Other? Yes

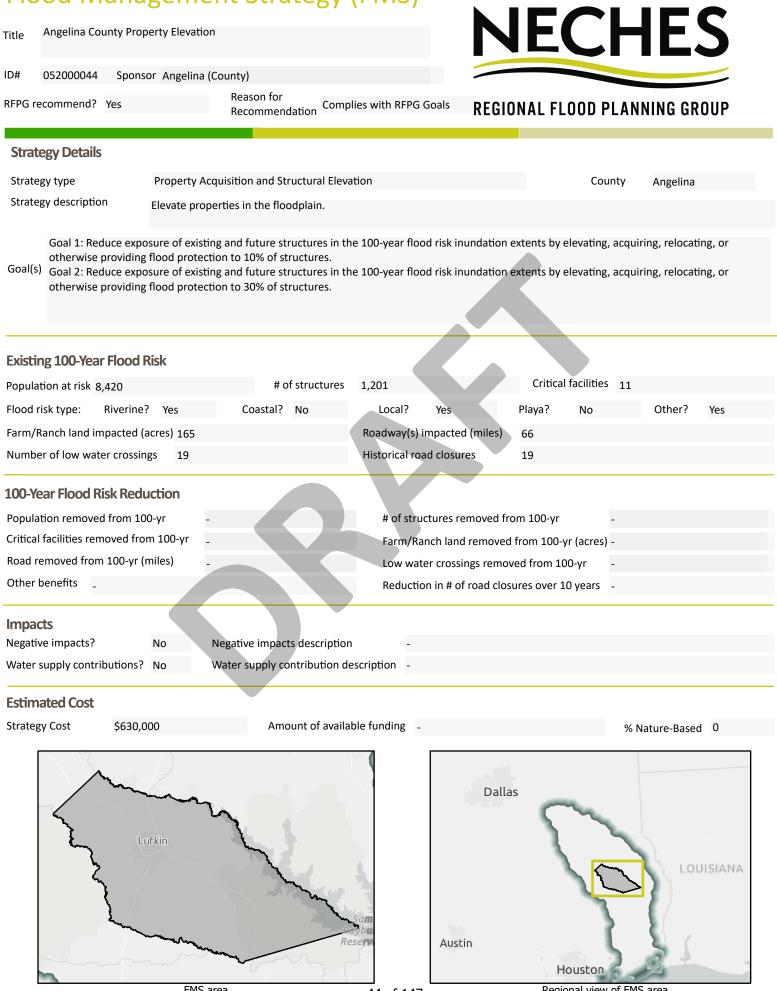




42 of 147



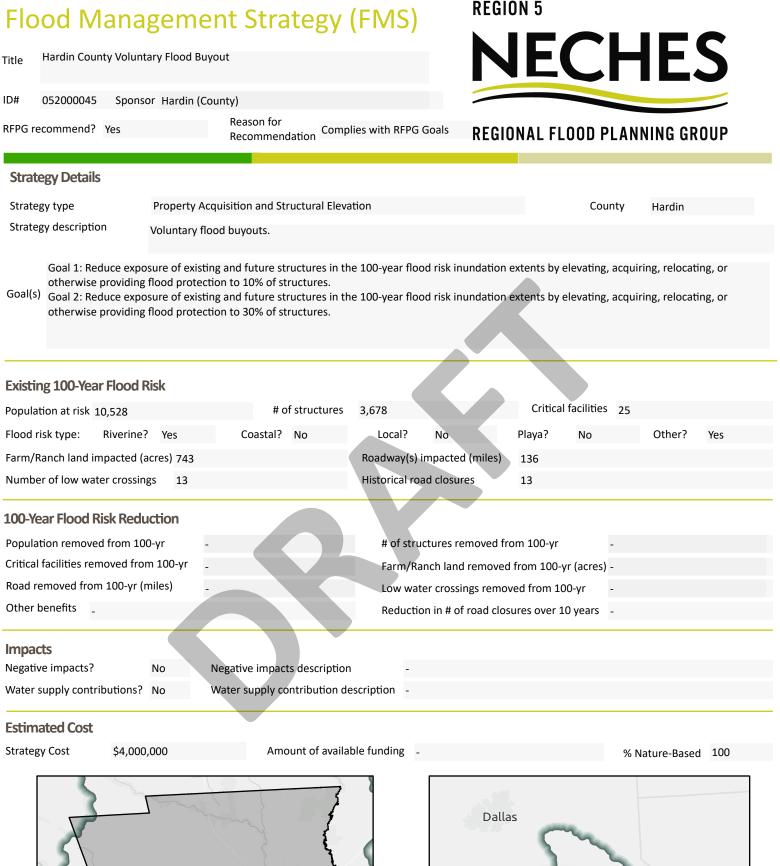
REGION 5



REGION 5

FMS area

44 of 147



FMS area

45 of 147

Beaumont

Austin

Regional view of FMS area

Houston

Reason for

Recommendation Complies with RFPG Goals

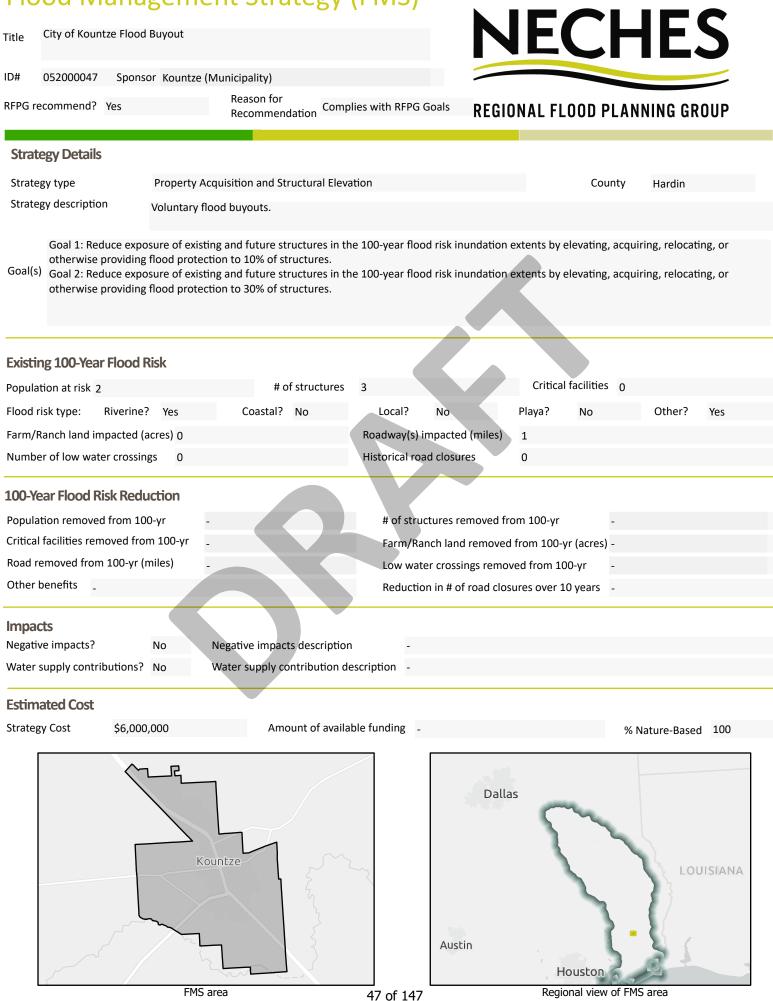
Title	Hardin County	/ Voluntar	y Residential Structure Elevation
ID#	052000046	Sponsor	Hardin (County)

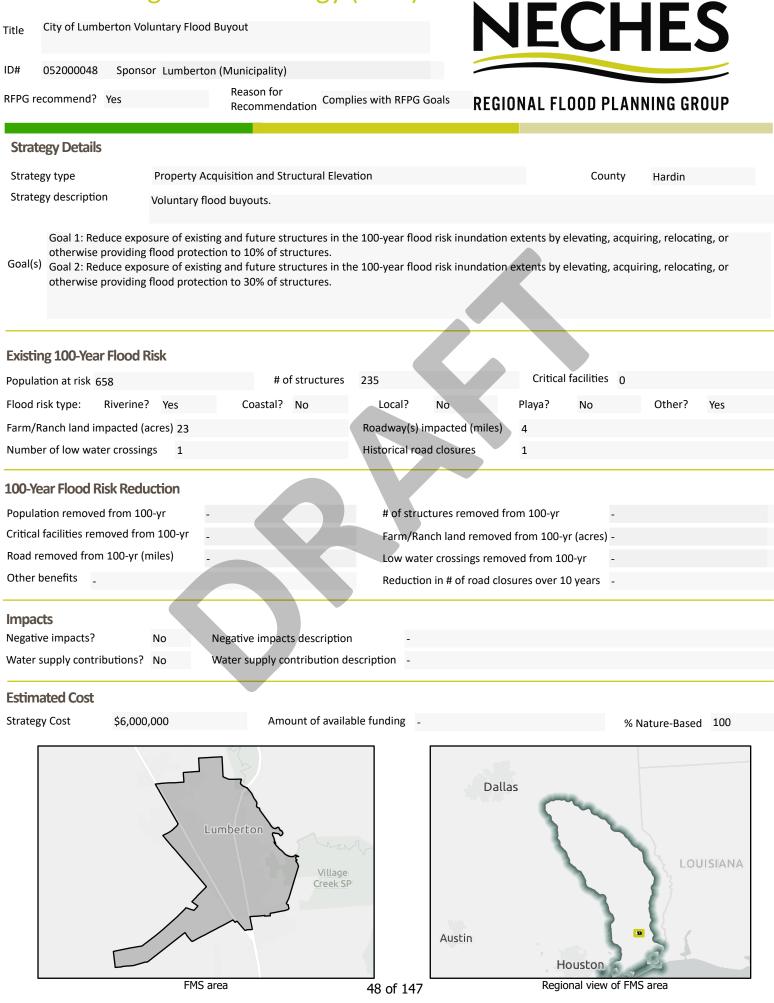
RFPG recommend? Yes



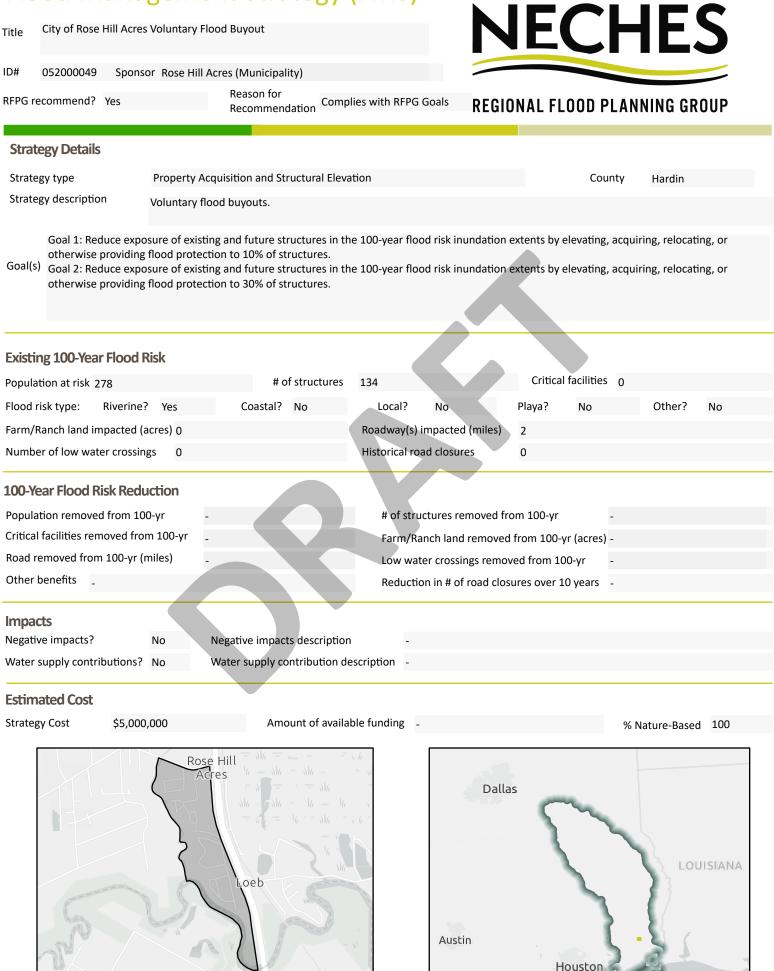
REGIONAL FLOOD PLANNING GROUP

Strategy Details							
Strategy type	Property Acquisitio	on and Structural Eleva	ation			County	Hardin
Strategy description	Voluntary elevatior	ns of flood prone prope	erties in Hardin	County.			
otherwise providir Goal(s) Goal 2: Reduce exp	ng flood protection to	future structures in th					
victing 100 Yoar Eloog	Dick						
xisting 100-Year Flood	IRISK	# of structures	2 (70		Critical	facilities 25	
opulation at risk 10,528		# of structures	3,678				
<i>,</i> ,		Coastal? No	Local?	No	Playa?	No	Other? Yes
arm/Ranch land impacted Iumber of low water cross			Historical roa	impacted (miles)	136 13		
	1.2 TO		Thistorical tu		10		
			Reductio	on in # of road clos	sures over 10	Oyears -	
legative impacts?		ve impacts description supply contribution de	-	on in # of road clos	sures over 1	0 years -	
mpacts Negative impacts? Water supply contributions Estimated Cost Strategy Cost \$7,50			escription -	on in # of road clos	sures over 10		Nature-Based 0





REGION 5



REGION 5

FMS area

49 of 147

Regional view of FMS area

Title	City of Rose	Hill Acres V	oluntary R	Residential Structure Elevation	
ID#	052000050	Sponsor	Rose Hill	l Acres (Municipality)	
RFPG r	ecommend?	Yes		Reason for Recommendation Complies with RFPG Goals	
Strat	egy Details				



REGIONAL FLOOD PLANNING GROUP

Strategy Details								
Strategy type	Property Acq	uisition and Structural Eleva	tion			County	Hardin	
Strategy description	Voluntary elev	vations of flood prone prope	erties in Rose H	lill Acres.				
		g and future structures in th on to 10% of structures.	e 100-year floo	od risk inundation	extents by e	elevating, acqui	iring, relocat	ing, or
Goal(s) Goal 2: Reduce expos	sure of existin	g and future structures in the on to 30% of structures.	e 100-year floo	od risk inundation	extents by e	elevating, acqui	iring, relocat	ing, or
other wise providing		on to 50% of structures.						
Existing 100-Year Flood R	lisk							
Population at risk 278		# of structures	134		Critical	facilities 0		
Flood risk type: Riverine?	Yes	Coastal? No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (a	cres) 0		Roadway(s)	impacted (miles)	2			
Number of low water crossing	gs O		Historical ro	ad closures	0			
LOO-Year Flood Risk Redu	ction							
Population removed from 100			# of stru	ctures removed fr	om 100-vr			
Critical facilities removed from				inch land removed		r (acres) -		
Road removed from 100-yr (n				er crossings remov				
Other benefits _				on in # of road clos				
Impacts Negative impacts?	No N	legative impacts description						
Water supply contributions?		Vater supply contribution de						
Estimated Cost								
Strategy Cost \$6,000,	.000	Amount of availab	ole funding -			%	Nature-Base	0 b
	> Doco	Hill = W = 🛶 = 👘 🖅	l. de 11					
	Rose	es 4 - NA - NA -	- ₁₁					
	\sum		4	Dalla	IS Providence			
		$(-\pi)^{2} = (-\pi)^{2} + (-\pi)^{2} + (-\pi)^{2}$	6 G -					

FMS area

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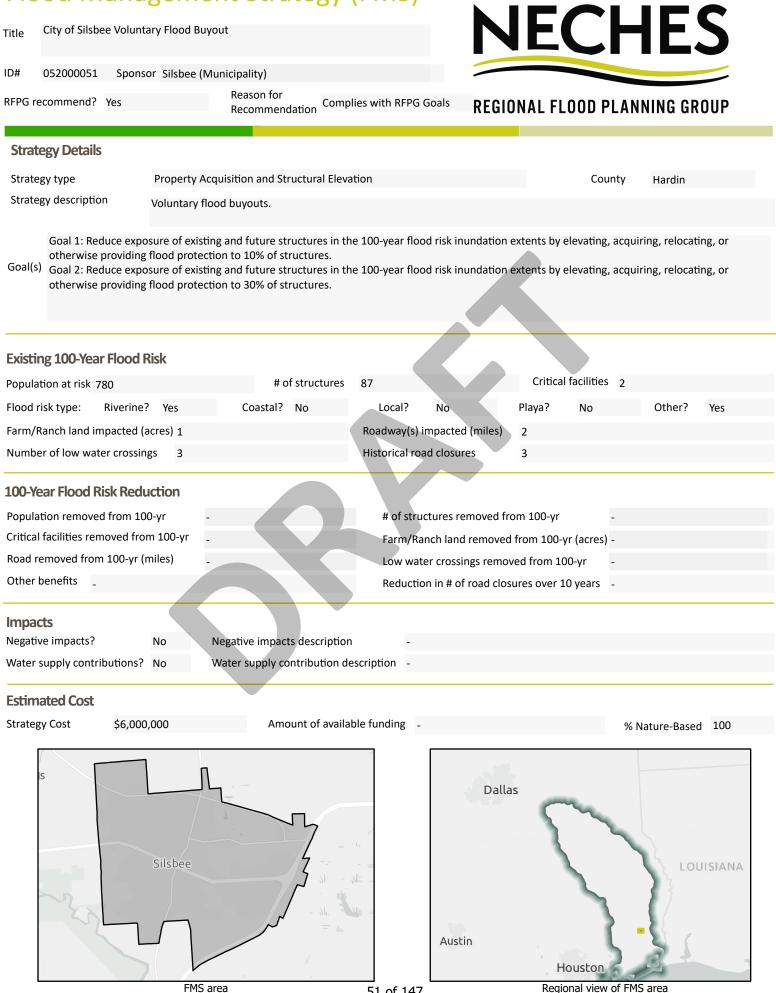
50 of 147

Austin

Regional view of FMS area

Houston

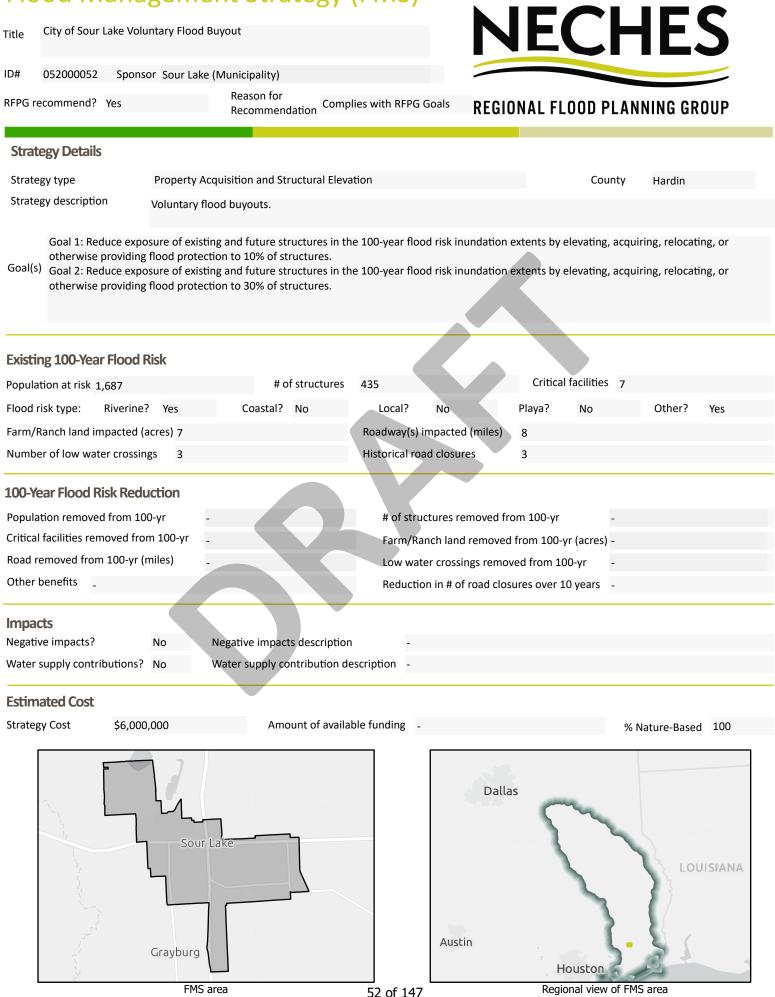
LOUISIANA



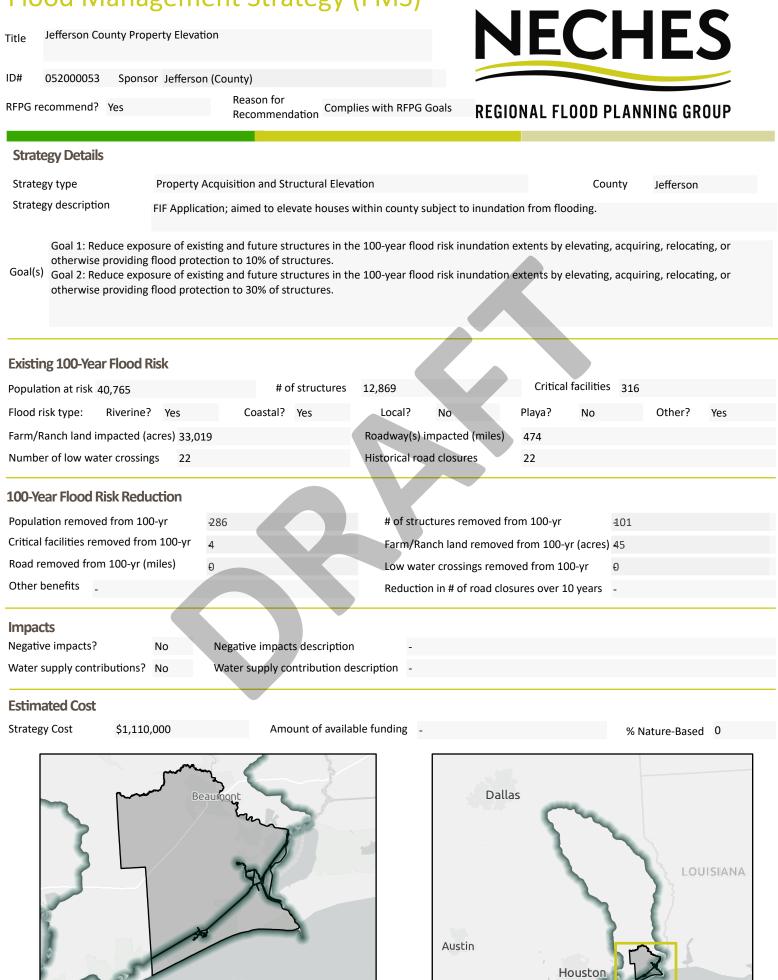
REGION 5

51 of 147

Regional view of FMS area



REGION 5

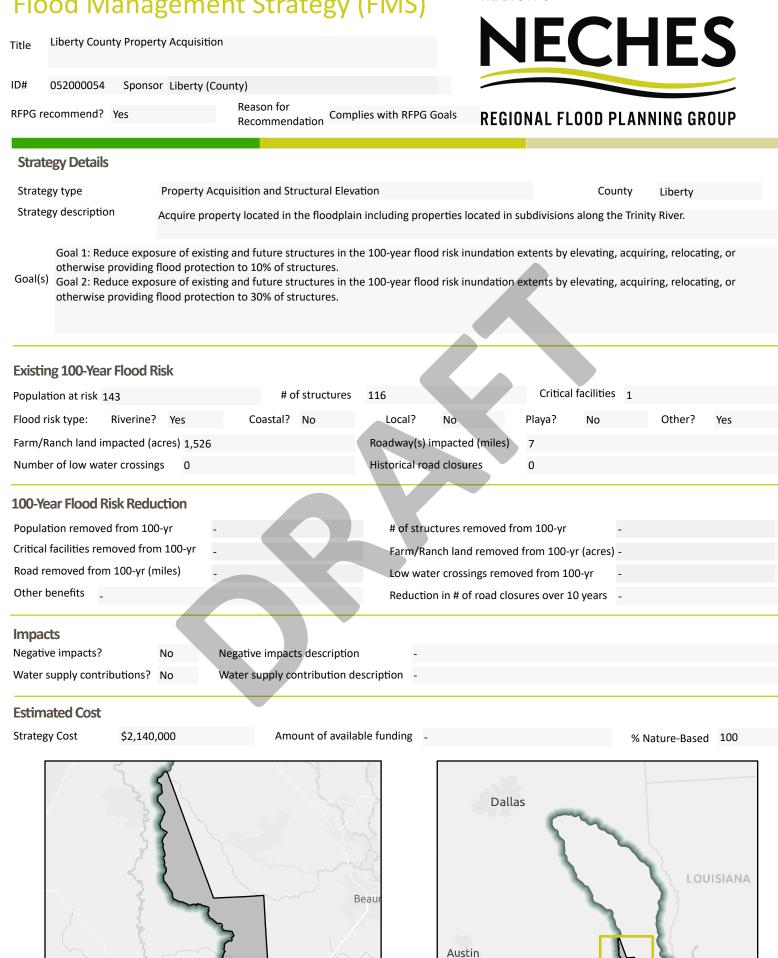


REGION 5

FMS area

53 of 147

Regional view of FMS area



REGION 5

FMS area

54 of 147

Regional view of FMS area

Houston

City of Nacogdoches Study and Ranking of Repetitive Loss Structures Title

Sponsor Nacogdoches (Municipality)

Reason for

Recommendation Complies with RFPG Goals

ID#

052000055

RFPG recommend? Yes



REGION 5

REGIONAL FLOOD PLANNING GROUP

Strate									
	gy Details								
Strateg	y type	Property Ac	quisition and Structural Elev	vation			County	Nacogdoches	
Strateg	y description	Analyze floo structure.	d-prone properties in the C	ity of Nacogdoc	hes and identify	y appropriate	mitigation opt	ions for each repet	titive los
Goal(s)	otherwise pr Goal 2: Redu	oviding flood protect ce exposure of existi	ng and future structures in t ion to 10% of structures. ng and future structures in t ion to 30% of structures.						
Existin	g 100-Year I	Flood Risk							
Populati	ion at risk 5,3	31	# of structures	446		Critical	facilities 1		
Flood ris	sk type: R	iverine? Yes	Coastal? No	Local?	Yes	Playa?	No	Other? No	
Farm/Ra	anch land imp	acted (acres) 4		Roadway(s)	impacted (miles) 14			
Number	r of low water	crossings 0		Historical ro		0			
100-Ye a	ar Flood Ris	k Reduction							
Populati	ion removed f	from 100-vr		# of stru	ctures removed	from 100-vr	_		
		ved from 100-yr			inch land remov		r (acres) -		
	moved from 1				er crossings rem				
Other be					on in # of road cl				
0 1.101 2	-			Reduction			o years -		
Impact Negative	ts e impacts?	No	Negative impacts descriptio	n -					
		110							
Water su	upply contribu		Water supply contribution o	lescription -					
			Water supply contribution o	lescription -					
	upply contribu		Water supply contribution o	lescription -					
	ited Cost		Water supply contribution of Amount of avail				%	Nature-Based 100	D
Estima	ited Cost	utions? No	Amount of avail		Da	llas	%	Nature-Based 100	

Title San Augustine County Acquisition and Conversion of Flood Prone Properties

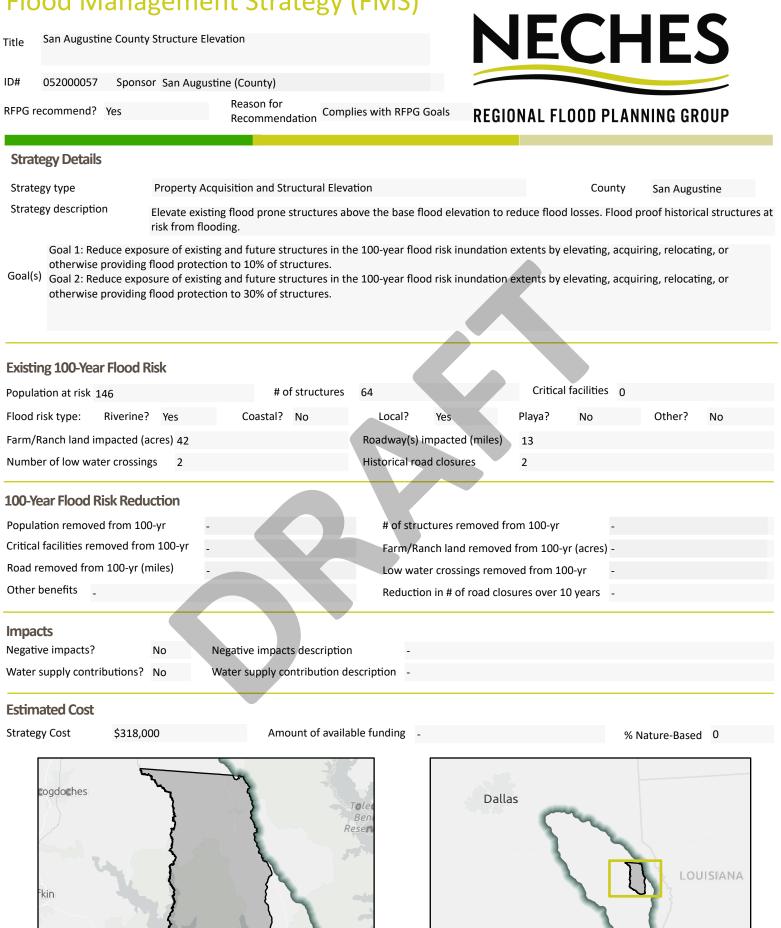
ID# 052000056 Sponsor San Augustine (County) RFPG recommend? Yes

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

Strategy type Property Acquisition and Structural Elevation County Sun Augustine Strategy description Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural pro- and/or as a general community asset. 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 30% of structures. 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 30% of structures. Existing 100-Year Flood Risk # of structures 64 Critical facilities 0 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Flood risk type: River rossing: 2 Historical road closures 2 Image: Structures Structures Structures Structures Image: Structures Image: Structures Image: Structures Image: Structures Image: Structures Imag	Strategy Details					
and/or as a general community asset. 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. Existing 100-Year Flood Risk Population at risk 146 # of structures 64 Critical facilities 0 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Farm/Ranch land impacted (acres) 42 Number of low water crossings 2 Historical road closures 2 100-Year Flood Risk Reduction Population removed from 100-yr - farm/Ranch land removed from 100-yr - Critical facilities removed from 100-yr - Farm/Ranch land impacted from 100-yr - Farm/Ranch land removed from 100-yr - Farm/Ranch land removed from 100-yr - Road removed from 100-yr - Farm/Ranch land removed from 100-y	Strategy type	Property Acquisition a	nd Structural Elevation		Coun	ty San Augustine
Gaal(s) Gaal: Gaal: Sequere exposing and future structures. Gaal(s) Gaal: Sequere exposing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures. Existing 100-Year Flood Risk Population at risk 146 # of structures 64 Critical facilities 0 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Farm/Ranch land impacted (acres) 42 Roadway(s) impacted (miles) 13 Number of low water crossings 2 Historical road closures 2 100-Year Flood Risk Reduction Population removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) - Road removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) - Road removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) - Road removed from 100-yr - Critical facilities removed from 100-yr (miles) - Road removed from 100-yr (miles) - Reduction in # of road closures - Impacts Negative impacts? No Negative impacts description - Estimated Cost Strategy Cost S530,000 Amount of available funding - % Nature-Based 100 LOUISIANA	Strategy description	riequire noou prone/i		l convert to open spac	e, parks, boating acc	ess, trails, agricultural projects
Population at risk 146 # of structures 64 Critical facilities 0 Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Farm/Ranch land impacted (acres) 42 Number of low water crossings 2 Historical road closures 2 100-Year Flood Risk Reduction Population removed from 100-yr - # of structures removed from 100-yr - Critical facilities removed from 100-yr - Road removed from 100-yr (miles) - Other benefits - Reduction if of road closures over 10 years - Estimated Cost Strategy Cost \$530,000 Amount of available funding - % Nature-Based 100 Dallas Output for the structure of the structu	otherwise p Goal(s) Goal 2: Redu	roviding flood protection to 10% uce exposure of existing and fut	6 of structures. ure structures in the 100-yea			
Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No Farm/Ranch land impacted (acres) 42 Roadway(s) impacted (miles) 13 Number of low water crossings 2 Historical road closures 2 100-Year Flood Risk Reduction Population removed from 100-yr - # of structures removed from 100-yr - Critical facilities removed from 100-yr (acres) - Low water crossings removed from 100-yr (acres) - Low water crossings removed from 100-yr - Low water crossings removed from 100-yr - Reduction in # of road closures over 10 years - Impacts Negative impacts? No Negative impacts description - Water supply contributions? No Water supply contribution description - Estimated Cost Strategy Cost \$530,000 Amount of available funding - % Nature-Based 100	Existing 100-Year	Flood Risk				
Farm/Ranch land impacted (arres) 42 Roadway(s) impacted (miles) 13 Number of low water crossings 2 Historical road closures 2 100-Year Flood Risk Reduction Population removed from 100-yr	Population at risk 14	6	# of structures 64		Critical facilities	0
Number of low water crossings 2 Historical road closures 2 IOD-Year Flood Risk Reduction # of structures removed from 100-yr - - Population removed from 100-yr - # of structures removed from 100-yr - Critical facilities removed from 100-yr (miles) - Farm/Ranch land removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years - Impacts No Negative impacts description - - Kater supply contributions? No Negative impacts description - - Estimated Cost Strategy Cost \$530,000 Amount of available funding - % Nature-Based 100 Order Strategy Cost \$530,000 Amount of available funding - % Nature-Based 100 Outstand Reserver Dallas Dallas LOUISIANA	Flood risk type:	Riverine? Yes Coa	stal? No Loca	l? Yes	Playa? No	Other? No
100-Year Flood Risk Reduction Population removed from 100-yr + of structures removed from 100-yr - Critical facilities removed from 100-yr (miles) - Farm/Ranch land removed from 100-yr (acres) - Road removed from 100-yr (miles) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years - Impacts - - - - Negative impacts? No Negative impacts description - - Water supply contributions? No Water supply contribution description - - Estimated Cost - - % Nature-Based 100 Image: Strategy Cost \$530,000 Amount of available funding - % Nature-Based 100 Image: Strategy Cost \$530,000 Amount of available funding - % Dallas Louisiana	Farm/Ranch land im	pacted (acres) 42	Roadwa	y(s) impacted (miles)	13	
Population removed from 100-yr Farm/Ranch land removed from 100-yr	Number of low wate	r crossings 2	Historica	al road closures	2	
Water supply contributions? No Water supply contribution description Estimated Cost Strategy Cost \$530,000 Amount of available funding % Nature-Based 100 Image: Cost of the strategy Cost of the strate	Road removed from Other benefits _ Impacts	100-yr (miles)	Low Red	water crossings remov	red from 100-yr -	
Strategy Cost \$530,000 Amount of available funding - % Nature-Based 100	Water supply contrib			-		
Toled Ben Reser		\$530,000	Amount of available fundin	g -		% Nature-Based 100
FMS area 56 of 147 Regional view of FMS area	ogdo hes		Ben	Dalla	s from	



REGION 5

FMS area

57 of 147

Austin

Regional view of FMS area

Houston



Impacts			
Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

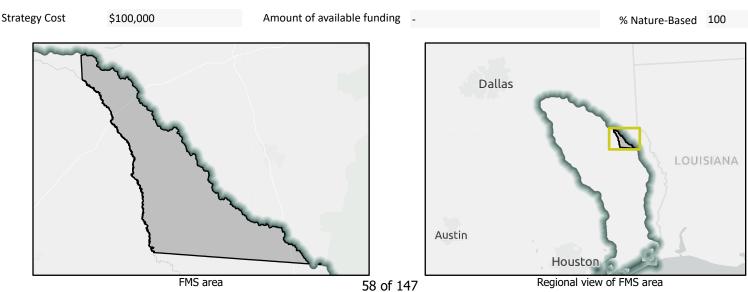
REGION 5

Shelby

Other?

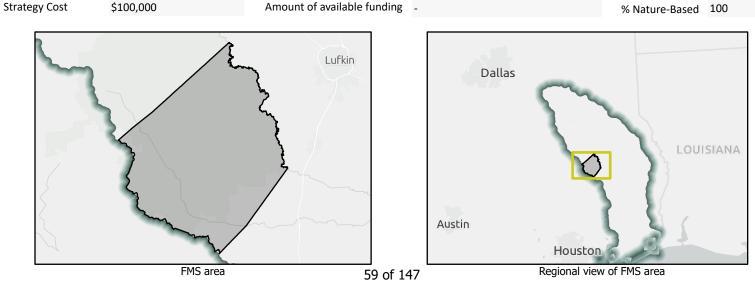
No

Estimated Cost



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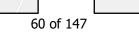
Flood Management Strat	egy (FMS) REGION 5
Title Trinity County Buyout Program Implementation	NECHES
ID# 052000059 Sponsor Trinity (County)	
RFPG recommend? Yes Reason for Recommenda	Complies with RFPG Goals REGIONAL FLOOD PLANNING GROUP
Strategy Details	
Strategy type Property Acquisition and Strue	tural Elevation County Trinity
Strategy description Develop and implement a proparation and/or as a general communit	ram to buyout repetitive loss properties and convert to open space, parks, boating access, trails asset.
otherwise providing flood protection to 30% of stru	tures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or
Existing 100-Year Flood Risk	cructures 32 Critical facilities 0
10	
	o Local? Yes Playa? No Other? No
Farm/Ranch land impacted (acres) 68 Number of low water crossings 1	Roadway(s) impacted (miles) 22 Historical road closures 1
100-Year Flood Risk Reduction	
Population removed from 100-yr -	# of structures removed from 100-yr -
Critical facilities removed from 100-yr	Farm/Ranch land removed from 100-yr (acres) -
Road removed from 100-yr (miles)	Low water crossings removed from 100-yr -
Other benefits	Reduction in # of road closures over 10 years -
Impacts	
Negative impacts? No Negative impacts	escription -
Water supply contributions? No Water supply cont	ibution description -
Estimated Cost	
Strategy Cost \$100,000 Amou	t of available funding% Nature-Based 100



Groveton

FMS area

Lie City of Groveton Bu							
		npiementation		N	IEC	Н	ES
0# 052000060 Spor	nsor Groveton (Municipality)					
FPG recommend? Yes		Reason for Recommendation	mplies with RFPG Goals	REGIO)NAL FLOOD F	PLANNI	NG GROUP
Strategy Details							
Strategy type	Property Acc	quisition and Structural E	levation		Со	unty	Trinity
Strategy description		implement a program to eneral community asset.		properties an	d convert to open s	pace, parl	<s, access,="" boating="" td="" trails<=""></s,>
otherwise providir Goal(s) Goal 2: Reduce exp	ng flood protect	ng and future structures in ion to 10% of structures. ng and future structures in ion to 30% of structures.					
xisting 100-Year Flood	Risk						
opulation at risk 2		# of structur	es 3		Critical facilities	6 0	
lood risk type: Riverin	e? Yes	Coastal? No	Local? Yes		Playa? No		Other? No
arm/Ranch land impacted	(acres) 0		Roadway(s) impac	ted (miles)	0		
lumber of low water cross	ings 0		Historical road clo	sures	0		
00-Year Flood Risk Red	luction						
opulation removed from 1			# of structures	s removed fro	om 100-vr		
ritical facilities removed fr					from 100-yr (acres)	-	
load removed from 100-yr					/ed from 100-yr (acres)	-	
Other benefits	(-	ures over 10 years	-	
			Reduction in t			-	
mpacts							
legative impacts?	No	Negative impacts descript	tion -				
Vater supply contributions	? No	Water supply contribution	n description -				
stimated Cost							
trategy Cost \$100	000	Amount of av	ailable funding			0/ N	5 1 100
	,000	Amount of av				% Nati	ure-Based 100
			1	Dalla	s		



Austin

Regional view of FMS area

Houston