# REGION 5 NECHES 2023 REGIONAL FLOOD PLAN

**JULY 2023** 

PREPARED FOR THE REGION 5 NECHES FLOOD PLANNING GROUP



City of Diboll Ordinance and Regulation Update Title

ID# 052000061 Sponsor Diboll (Municipality)

RFPG recommend? Yes

Reason for Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Angelina

Strategy description Update building code and subdivision ordinance to include restrictions on the distance a structure can be built from active

streams and creeks.

Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

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

# **Existing 100-Year Flood Risk**

Population at risk 610		# of structures	118		Critical	facilities 6		
Flood risk type: Riverine? Y	es Coast	al? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	) 1		Roadway(s) i	mpacted (miles)	4			
Number of low water crossings	0		Historical roa	d closures	0			

#### 100-Year Flood Risk Reduction

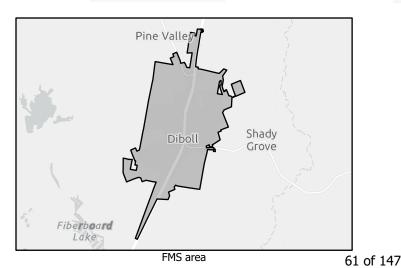
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$10,000 Amount of available funding % Nature-Based 0





City of Cuney Bridge and Culvert Inspection Program Title

ID# 052000062 Sponsor Cuney (Municipality)

Reason for RFPG recommend? Yes

Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Cherokee

Strategy description Plan and implement a program to regularly inspect low-lying bridges and highway culverts, clear debris, and create safe

pathways for excess water runoff, to avoid flooding.

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(s) 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.

Goal 3: Give notice to 100% of affected units of local government and solicit funding applications for improvement or removal of 25% of Low Water Crossings identified in the latest Regional Flood Plan.

# **Existing 100-Year Flood Risk**

Population at risk 0		# of structures	0		Critical	facilities 0		
Flood risk type: Riverine?	es Co	astal? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acre	s) 0		Roadway(s) ir	mpacted (miles)	0			
Number of low water crossings	0		Historical roa	d closures	0			

#### 100-Year Flood Risk Reduction

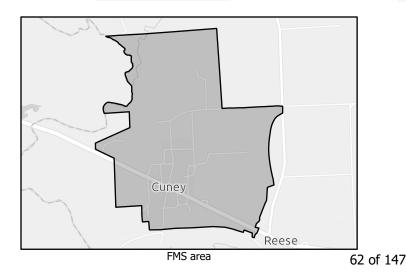
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$25,000 Amount of available funding % Nature-Based 0





City of Cuney Seek NFIP Participation Title

ID# 052000063 Sponsor Cuney (Municipality)

RFPG recommend? Yes

Reason for Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Cherokee

Strategy description Pass appropriate Resolutions and Ordinances for participation in the National Flood Insurance Program.

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 0	# o	f structures 0		Critical fa	icilities 0	
Flood risk type: Riverine? Y	Coastal?	No L	Local? Yes	Playa?	No Other?	No
Farm/Ranch land impacted (acres		Road	idway(s) impacted (i	miles) 0		
Number of low water crossings		Histo	torical road closures	0		

#### 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

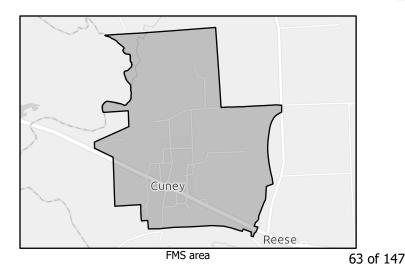
Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$5,000 Amount of available funding % Nature-Based 0





City of Gallatin Multi-Jurisdiction Coordination Title

ID# 052000064 Sponsor Gallatin (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Cherokee

Strategy description Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.

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

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

Goal 3: Reduce 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%.

#### **Existing 100-Year Flood Risk**

Population at risk 0	# of structures	2	Critical facilities 0	
Flood risk type: Riverine? Ye	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres		Roadway(s) impacted (miles)	1	
Number of low water crossings		Historical road closures	0	

#### 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

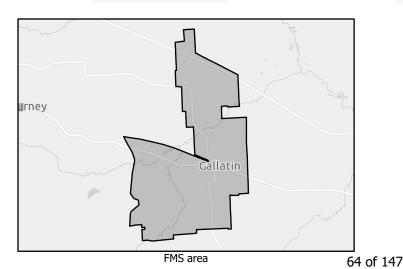
# **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$5,000 Amount of available funding % Nature-Based 0





City of Jacksonville Multi-Jurisdiction Coordination Title

ID# 052000065 Sponsor Jacksonville (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Cherokee

Strategy description Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.

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

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

Goal 3: Reduce 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%.

#### **Existing 100-Year Flood Risk**

Population at risk 606	# of st	tructures 192		Critical fa	icilities 0		
Flood risk type: Riverine? Y	Coastal? N	lo Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres		Roadway(s	s) impacted (mile	es) 4			
Number of low water crossings		Historical r	road closures	7			

#### 100-Year Flood Risk Reduction

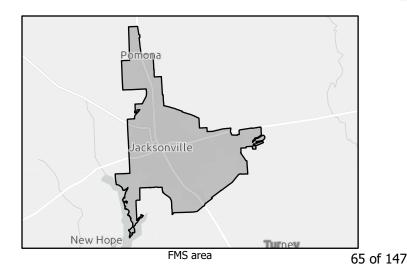
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$10,000 Amount of available funding % Nature-Based 0





City of Reklaw Improved Enforcement of Ordinances Title

ID# 052000066 Sponsor Reklaw (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



#### **Strategy Details**

Strategy type Regulatory and Guidance County Cherokee

Strategy description Improve the long-range management and use of flood-prone areas by the adoption and enforcement of local ordinances to

regulate new development within the floodplain. Review and revise ordinances, when needed.

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 0	# o	f structures 1		Critica	l facilities 0		
Flood risk type: Riverine? Y	Coastal?	No	Local? Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	1	Roa	adway(s) impacted	d (miles) 0			
Number of low water crossings	0	His	storical road closus	res 0			

#### 100-Year Flood Risk Reduction

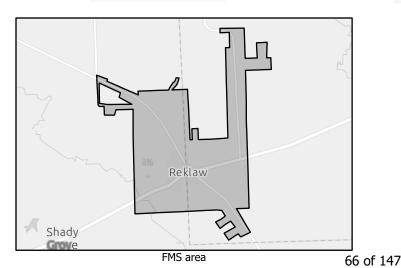
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$10,000 Amount of available funding % Nature-Based 0





City of Rusk Flood Maps Maintenance and Update Title

ID# 052000067 Sponsor Rusk (Municipality)

RFPG recommend? Yes Recommendation

Reason for Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Cherokee

Strategy description Work with state and federal agencies to maintain current flood maps.

Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.

Goal(s) Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

# **Existing 100-Year Flood Risk**

Population at risk 462	#	of structures	41		Critical	facilities 0		
Flood risk type: Riverine? Y	Coastal	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	1		Roadway(s) ii	mpacted (miles)	2			
Number of low water crossings	0		Historical roa	d closures	0			

#### 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**

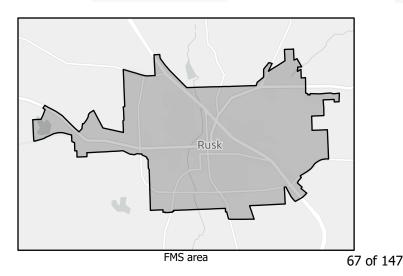
Negative impacts? Negative impacts description No

Water supply contributions? No

Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$10,000 Amount of available funding % Nature-Based 0





Hardin County Continued NFIP Participation Title

ID# 052000068 Sponsor Hardin (County)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data,

mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 10,528	# of structu	ures 3,678	Critica	al facilities 25		
Flood risk type: Riverine? Ye	Coastal? No	Local?	No Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	13	Roadway(s) imp	pacted (miles) 136			
Number of low water crossings		Historical road	closures 13			

#### 100-Year Flood Risk Reduction

Water supply contributions? No

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

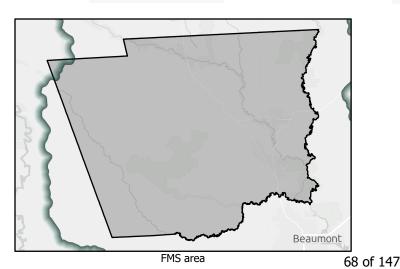
Other benefits Reduction in # of road closures over 10 years

# **Impacts**

Negative impacts? Negative impacts description No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$80,000 Amount of available funding % Nature-Based 0





Title Hardin County Drainage District

ID# 052000069 Sponsor Hardin (County)

RFPG recommend? Yes

Reason for

Recommendation Complies with RFPG Goals





REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Hardin

Strategy description Form Drainage District: Purpose would be to oversee/ maintain, and construct required drainage projects for the County.

Regulate stormwater mitigation for new and future developments.

Goal 1: 50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the

maintenance and/or restoration of flood infrastructure.

Goal(s) Goal 2: 75% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the

maintenance and/or restoration of flood infrastructure.

# **Existing 100-Year Flood Risk**

Population at risk 10,528	# of stru	ictures 3,678		Critical facilities	25
Flood risk type: Riverine? Y	Coastal? No	Local?	No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres	743	Roadway(s) in	mpacted (miles)	136	
Number of low water crossings	13	Historical road	d closures	13	

#### 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr 
Critical facilities removed from 100-yr (acres) 
Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

pad removed from 100-yr (miles)

Low water crossings removed from 100-yr

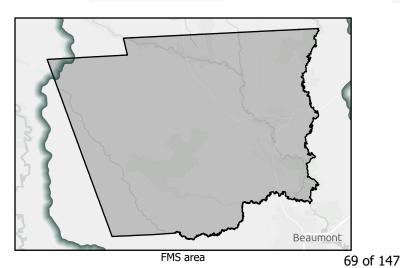
Other benefits \_ Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$900,000 Amount of available funding - % Nature-Based 0





City of Kountze Continued NFIP Participation Title

ID# 052000070 Sponsor Kountze (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data,

mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

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(s) 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 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.

#### **Existing 100-Year Flood Risk**

Population at risk 2	# o	f structures 3		Critical fac	cilities 0	
Flood risk type: Riverine? Y	Coastal?	No Loc	al? No	Playa?	No Other?	Yes
Farm/Ranch land impacted (acres	0	Roadv	vay(s) impacted (mi	les) 1		
Number of low water crossings	0	Histor	cal road closures	0		

#### 100-Year Flood Risk Reduction

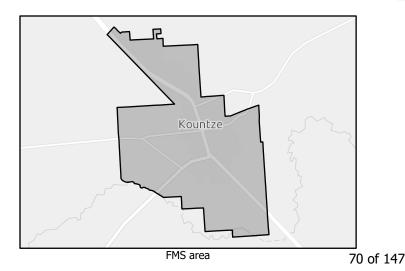
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$60,000 Amount of available funding % Nature-Based 0





Title City of Lumberton Continued NFIP Participation

ID# 052000071 Sponsor Lumberton (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data,

mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 658	# of structures	235	Critical facilities 0	
Flood risk type: Riverine? Ye	Coastal? No	Local? No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres		Roadway(s) impacted (miles)	4	
Number of low water crossings		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 -

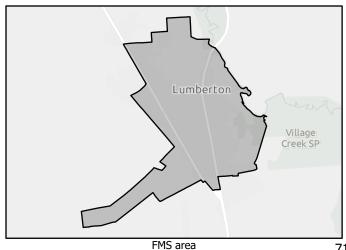
# **Impacts**

Negative impacts? No Negative impacts description

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$80,000 Amount of available funding - % Nature-Based 0



f 147 Regional view of FMS area

Houston

Dallas

71 of 147

Austin

City of Rose Hill Acres Continued NFIP Participation Title

ID# 052000072 Sponsor Rose Hill Acres (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data,

mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 278	# of stru	uctures 134	Critica	I facilities 0	
Flood risk type: Riverine? Y	Coastal? No	Local?	No Playa?	No	Other? No
Farm/Ranch land impacted (acres		Roadway(s) imp	pacted (miles) 2		
Number of low water crossings		Historical road	closures 0		

#### 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

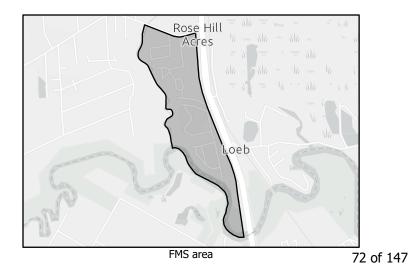
# **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$80,000 Amount of available funding % Nature-Based 0





City of Silsbee Continued NFIP Participation Title

ID# 052000073 Sponsor Silsbee (Municipality)

Reason for RFPG recommend? Yes

Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data,

mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 780		# of structures	87		Critical f	facilities 2		
Flood risk type: Riverine?	'es C	oastal? No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acre	s) 1		Roadway(s) ir	mpacted (miles)	2			
Number of low water crossings	3		Historical roa	d closures	3			

#### 100-Year Flood Risk Reduction

Water supply contributions? No

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

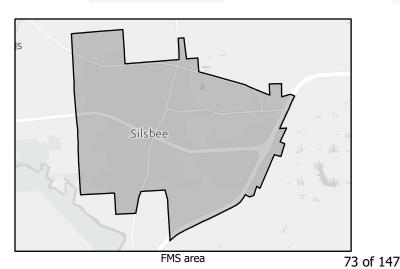
# **Impacts**

Negative impacts? Negative impacts description No

Water supply contribution description

# **Estimated Cost**

Strategy Cost \$50,000 Amount of available funding % Nature-Based 0





City of Sour Lake Continued NFIP Participation Title

ID# 052000074 Sponsor Sour Lake (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data,

mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 1,687		# of structures	435		Critical	facilities 7		
Flood risk type: Riverine? Ye	s Coasta	I? No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	7		Roadway(s) i	mpacted (miles)	8			
Number of low water crossings	3		Historical roa	ad closures	3			

#### 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

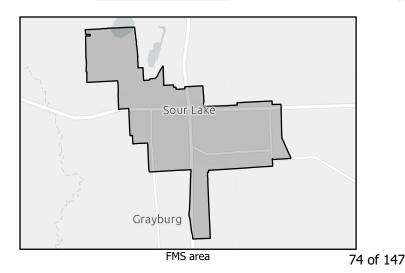
Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$60,000 Amount of available funding % Nature-Based 0





Houston County Mobile Home Inspection Title

ID# 052000075 Sponsor Houston (County)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation

REGION 5



REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Houston

Strategy description Conduct routine inspection of manufactured home/mobile homes in flood-prone area to ensure proper tie-downs per Flood

Damage Ordinance.

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(s) 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 16	# of structures	17	Critical facilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? Yes
Farm/Ranch land impacted (acres) 117		Roadway(s) impacted (miles)	20	
Number of low water crossings 7		Historical road closures	7	

#### 100-Year Flood Risk Reduction

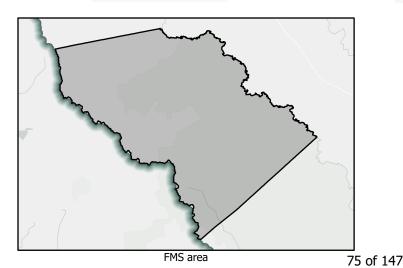
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

**Strategy Cost** \$61,000 Amount of available funding % Nature-Based 0





JCDD6 Multi-Jurisdiction Coordination Title

ID# 052000076 Sponsor Jefferson County Drainage District 6

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Jefferson

Strategy description Increase coordination with the City and County regarding flood predictions and post event recovery.

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

Goal(s) 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.

# **Existing 100-Year Flood Risk**

Population at risk 20,772	# of structur	res 6,491	Critical facilities 30	
Flood risk type: Riverine? Y	Coastal? Yes	Local? No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres	0,945	Roadway(s) impacted (mil	es) 215	
Number of low water crossings	6	Historical road closures	16	

#### 100-Year Flood Risk Reduction

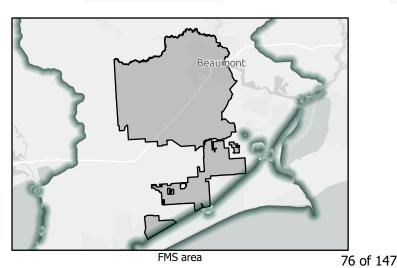
Population removed from 100-yr # of structures removed from 100-yr -286 101 Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 45 Road removed from 100-yr (miles) Θ Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$20,000 Amount of available funding % Nature-Based 0





Title JCDD6 Severe Weather Action Plan

ID# 052000077 Sponsor Jefferson County Drainage District 6

.

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Jefferson

Strategy description Create severe weather action plan, conduct drills, identify and promulgate evacuation and sheltering options.

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**

Population at risk 20,772	# of stru	ictures 6,491		Critical	facilities 30		
Flood risk type: Riverine? Ye	Coastal? Yes	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	0,945	Roadway(s)	impacted (mile	s) 215			
Number of low water crossings	6	Historical ro	oad closures	16			

#### 100-Year Flood Risk Reduction

Population removed from 100-yr 286 # of structures removed from 100-yr 101

Critical facilities removed from 100-yr 4 Farm/Ranch land removed from 100-yr (acres) 45

Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr 0

Other benefits - Reduction in # of road closures over 10 years -

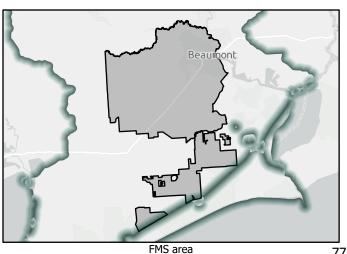
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$60,000 Amount of available funding - % Nature-Based 0





Regional view of FMS area

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Title JCDD7 Storm Water Management Plan

ID# 052000078 Sponsor Jefferson County Drainage District 7

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Jefferson

Strategy description Help to establish and allow District to enforce development regulations within existing flood zones.

Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

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

#### **Existing 100-Year Flood Risk**

Population at risk 17,575	# of structures	4,705	Critical facilities 82	
Flood risk type: Riverine? Y	Coastal? Yes	Local? No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres	6	Roadway(s) impacted (mile	es) 95	
Number of low water crossings		Historical road closures	3	

#### 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 description

Water supply contributions?

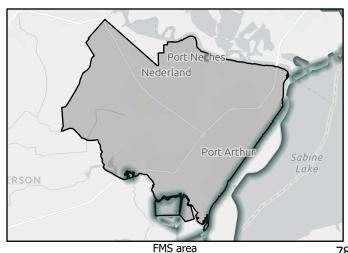
No

Water supply contribution description

-

#### **Estimated Cost**

Strategy Cost \$50,000 Amount of available funding - % Nature-Based 0



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Austin

Dallas

City of Daisetta Property Construction Ordinance Title

ID# 052000079 Sponsor Daisetta (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Liberty

Strategy description The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year

floodplain.

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(s) 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 0	# of	f structures 0		Critical fa	acilities 0		
Flood risk type: Riverine? Y	Coastal?	No Local	P No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres		Roadway	(s) impacted (mile	es) 0			
Number of low water crossings		Historica	road closures	0			

#### 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

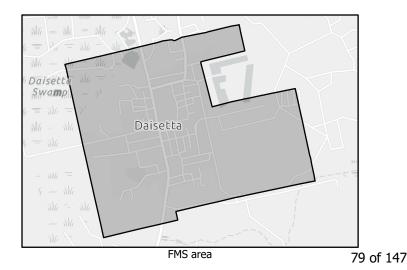
Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$10,000 Amount of available funding % Nature-Based 0





City of Daisetta Property Elevation Ordinance Title

ID# 052000080 Sponsor Daisetta (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Liberty

Strategy description The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet

above base flood elevation.

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(s) 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 0	# o	f structures 0			Critical fa	acilities 0		
Flood risk type: Riverine? Y	Coastal?	No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	)	R	Roadway(s) im	pacted (miles)	0			
Number of low water crossings	)	Н	listorical road	closures	0			

#### 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

Reduction in # of road closures over 10 years

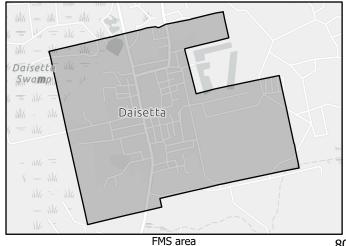
**Impacts** 

Other benefits

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

#### **Estimated Cost**

Strategy Cost \$5,000 Amount of available funding % Nature-Based 0





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City of Hardin Subdivision Ordinance Implementation Title

ID# 052000081 Sponsor Hardin (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Regulatory and Guidance County Liberty

Strategy description Implement subdivision ordinance regulations concerning building in flood-prone areas.

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(s) 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 1	#	of structures	1		Critical f	acilities 0		
Flood risk type: Riverine? Ye	Coastal?	No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	1		Roadway(s) in	npacted (miles)	0			
Number of low water crossings	0		Historical road	d closures	0			

#### 100-Year Flood Risk Reduction

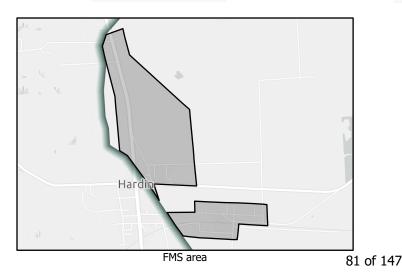
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$10,000 Amount of available funding % Nature-Based 0





City of Nacogdoches Stormwater Drainage Fee Implementation Title

ID# 052000082 Sponsor Nacogdoches (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

County Strategy type Regulatory and Guidance Nacogdoches

Strategy description Implement stormwater drainage fee to assist funding of flood mitigation infrastructure projects

Goal 1: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of

Goal(s) Goal 2: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 75% of communities.

Goal 3: 50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.

# **Existing 100-Year Flood Risk**

Population at risk 5,331	# o	f structures 4	446		Critical f	acilities 1		
Flood risk type: Riverine? Ye	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres)			Roadway(s) im	pacted (miles)	14			
Number of low water crossings			Historical road	closures	0			

#### 100-Year Flood Risk Reduction

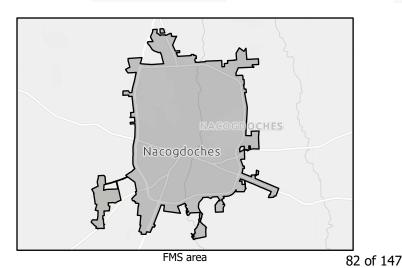
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$40,000 Amount of available funding % Nature-Based 0





Title City of Nacogdoches Codes and Ordinances Update

ID# 052000083 Sponsor Nacogdoches (Municipality)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Nacogdoches

Strategy description Review and update, if necessary, all City codes and ordinances pertaining to floodplain management to ensure their compliance

with state and federal laws and to achieve cohesion with the mitigation strategies contained herein.

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(s) 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 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.

#### **Existing 100-Year Flood Risk**

Population at risk 5,331	#	of structures	446		Critical	facilities 1		
Flood risk type: Riverine? Y	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres			Roadway(s) ir	mpacted (miles)	14			
Number of low water crossings			Historical roa	d closures	0			

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

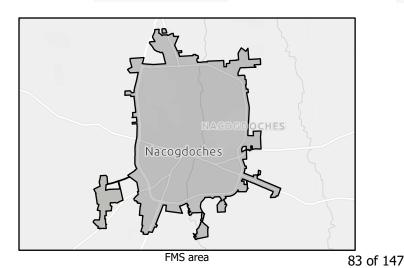
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$30,000 Amount of available funding - % Nature-Based 0





OCDD Drainage Criteria Manual and Regulations Enforcement Title

ID# 052000084 Sponsor Orange County Drainage District

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Orange

Strategy description Implement and enforce the Drainage Criteria Manual and Regulations for regulation of the effects of new developments and

stormwater runoff.

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(s) 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 11,929	# of structu	ures 5,007	Critical facilities	36
Flood risk type: Riverine? Ye	Coastal? Yes	Local? No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres	46	Roadway(s) impacted	(miles) 136	
Number of low water crossings	)	Historical road closure	es 20	

#### 100-Year Flood Risk Reduction

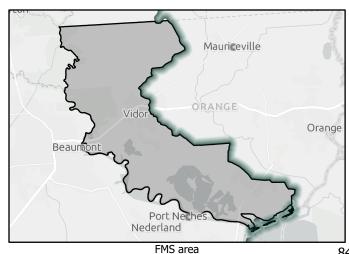
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$20,000 Amount of available funding % Nature-Based 0





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OCDD Support/Create Stricter Floodplain Ordinances Title

ID# 052000085 Sponsor Orange County Drainage District

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Orange

Strategy description Work with Communities to support ordinances or create ordinances that help to protect new structures from being built in the

floodplain or floodway

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(s) 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 11,929		# o	f structures	5,007		Critical	facilities 36		
Flood risk type: Riverine?	Yes	Coastal?	Yes	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (a	cres) 346			Roadway(s) i	mpacted (miles)	136			
Number of low water crossin	gs 20			Historical roa	d closures	20			

#### 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

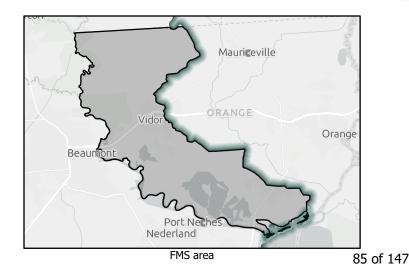
Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$40,000 Amount of available funding % Nature-Based 0





San Augustine County Continue NFIP Participation Title

ID# 052000086 Sponsor San Augustine (County)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County San Augustine

Strategy description Continue participation in the National Flood Insurance Program (NFIP) and expand administration and monitoring capabilities

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 146		# of structures	64		Critical f	acilities 0		
Flood risk type: Riverine?	es (	Coastal? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acre	s) 42		Roadway(s) i	mpacted (miles)	13			
Number of low water crossings	2		Historical roa	ad closures	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

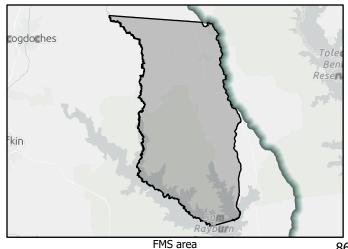
#### **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$53,000 Amount of available funding % Nature-Based 0



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Title City of Linsdale Natural Runoff Policies Implementation

ID# 052000087 Sponsor Lindale (Municipality)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Smith

Strategy description Incorporate "natural run-off" policies. Calculate cumulative effect of development, increase capacity of storm water drainage

systems, institute regular drain system maintenance.

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(s) 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.

# **Existing 100-Year Flood Risk**

Population at risk 69	#	of structures	17		Critical	facilities 0		
Flood risk type: Riverine? Y	s Coastal	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	1		Roadway(s) ii	mpacted (miles)	0			
Number of low water crossings	0		Historical roa	d closures	0			

#### 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 -

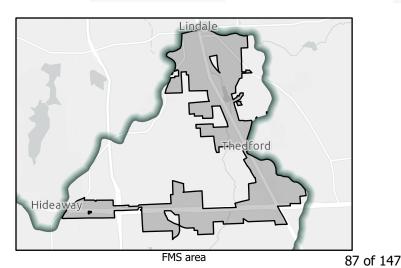
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$30,000 Amount of available funding - % Nature-Based 100





City of Linsdale No Adverse Impact Implementation Title

ID# 052000088 Sponsor Lindale (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Smith

Strategy description Incorporate "no adverse impact" design requirements in community development. Provide awareness to stakeholders and

design engineers; building code adoption and plan approval process.

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

# **Existing 100-Year Flood Risk**

Population at risk 69	# of structures	17	Critical facilities 0	
Flood risk type: Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres) 1		Roadway(s) impacted (miles)	0	
Number of low water crossings 0		Historical road closures	0	

#### 100-Year Flood Risk Reduction

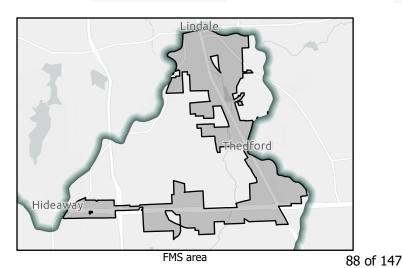
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$60,000 Amount of available funding % Nature-Based 0





City of Troup Floodplain Ordinance Update Title

ID# 052000089 Sponsor Troup (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Smith

Strategy description Adopt and enforce a stricter floodplain ordinance that no new structures are allowed in the 100-year floodway. Adopted by City

Council action.

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 17	# of	f structures 1		Critical fa	icilities 0		
Flood risk type: Riverine? Y	Coastal?	No Local	? Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	)	Roadway	(s) impacted (mile	es) 0			
Number of low water crossings	)	Historica	I road closures	0			

#### 100-Year Flood Risk Reduction

Water supply contributions? No

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

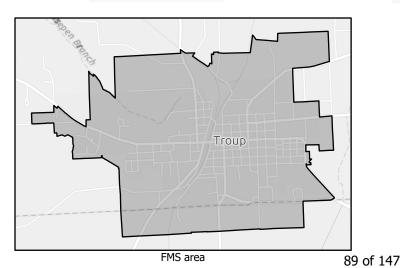
Water supply contribution description

**Impacts** 

Negative impacts? Negative impacts description No

#### **Estimated Cost**

Strategy Cost \$40,000 Amount of available funding % Nature-Based 0





Trinity County Dam/Levee Failure Data Collection Title

ID# 052000090 Sponsor Trinity (County)

RFPG recommend? Yes

Reason for Complies with RFPG Goals Recommendation





# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Regulatory and Guidance County Trinity

Strategy description Develop and implement standard operating procedures for collecting and sharing data to provide extent of dam/levee failure

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

Goal(s) 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.

# **Existing 100-Year Flood Risk**

Population at risk 15	# of str	uctures 32		Critical f	facilities 0		
Flood risk type: Riverine? Ye	Coastal? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	58	Roadway(s	) impacted (mile	es) 22			
Number of low water crossings		Historical r	oad 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) -

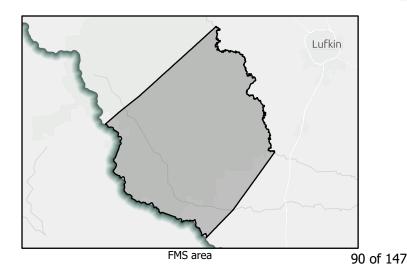
Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

**Impacts** 

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

#### **Estimated Cost**

Strategy Cost \$30,600 Amount of available funding % Nature-Based 0





Van Zandt County Higher Standards Incorporation Title

ID# 052000091 Sponsor Van Zandt (County)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



#### **Strategy Details**

Strategy type Regulatory and Guidance County Van Zandt

Strategy description Incorporate Higher Standards for Hazard Resistance in Local Application of the Building Code.

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(s) 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 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.

# **Existing 100-Year Flood Risk**

Population at risk 233	# of struc	ctures 217	Critica	al facilities 0		
Flood risk type: Riverine? Y	Coastal? No	Local? Ye	s Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	232	Roadway(s) impa	cted (miles) 13			
Number of low water crossings	)	Historical road clo	osures 0			

#### 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

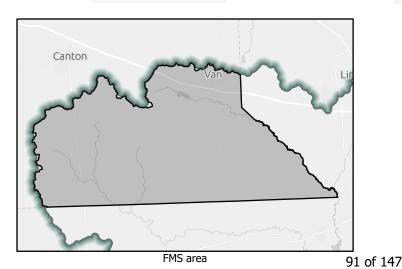
Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$30,000 Amount of available funding % Nature-Based 0





**Anderson County Culvert Improvements** Title

ID# 052000092 Sponsor Anderson (County)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Infrastructure Projects County Anderson

Strategy description Widen culverts to mitigate against future drainage issues that lead to flooding.

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

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

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

# **Existing 100-Year Flood Risk**

Population at risk 73	# of structures	69	Critical facilities 0	
Flood risk type: Riverine? Y	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres	18	Roadway(s) impacted (miles)	22	
Number of low water crossings		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 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

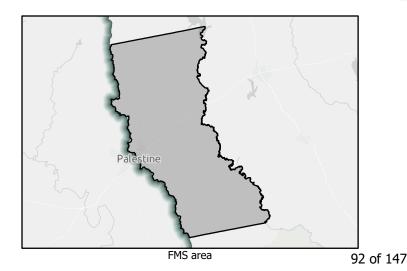
# **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$3,000,000 Amount of available funding % Nature-Based 0





Title Anderson County Dam Inspection and Maintenance Program

ID# 052000093 Sponsor Anderson (County)

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RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Anderson

Strategy description Work with dam owners to keep dams in excellent condition by visiting dam locations and doing inspections with owners to

ensure that dams are properly maintained and failure possibilities are greatly reduced.

Goal 1: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities

Goal(s) Goal 2: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 75% of communities.

Goal 3: 50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.

# **Existing 100-Year Flood Risk**

Population at risk 73	# of structures	69	Critical facilities 0	
Flood risk type: Riverine? Y	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres	18	Roadway(s) impacted (miles)	22	
Number of low water crossings		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 - 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 -

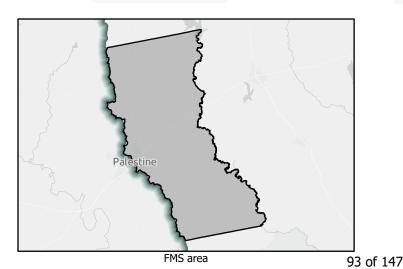
# **Impacts**

Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding - % Nature-Based 0





City of Frankston Culvert Improvements Title

ID# 052000094 Sponsor Frankston (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

#### **Strategy Details**

Strategy type Infrastructure Projects County Anderson

Strategy description Develop plan to increase drainage capacity in sites that are prone to flooding.

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

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

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

# **Existing 100-Year Flood Risk**

Population at risk 0	# o	f structures 0			Critical fac	cilities 0		
Flood risk type: Riverine? Y	Coastal?	No	Local? Yes	es	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	)	Roa	oadway(s) impad	cted (miles)	0			
Number of low water crossings	)	His	storical road clo	osures	0			

#### 100-Year Flood Risk Reduction

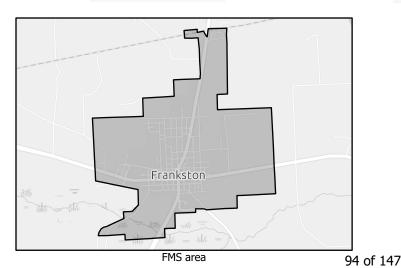
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding % Nature-Based 0





City of Palestine Drainage System Expansion and Maintenance Title

ID# 052000095 Sponsor Palestine (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation

REGION 5



## REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Anderson

Strategy description Establish plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads

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

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

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

## **Existing 100-Year Flood Risk**

Population at risk 42	# o	of structures 14		Critical fac	cilities 0	
Flood risk type: Riverine? Y	Coastal?	No Loca	al? Yes	Playa?	No Other?	No
Farm/Ranch land impacted (acres		Roadwa	ay(s) impacted (mile	es) 2		
Number of low water crossings		Historia	cal 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 Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

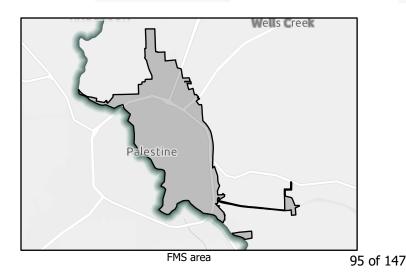
Other benefits Reduction in # of road closures over 10 years

## **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





**Angelina County Culvert Improvements** Title

ID# 052000096 Sponsor Angelina (County)

RFPG recommend? Yes

Reason for Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Angelina

Strategy description Develop plan to upgrade major culvert areas which are prone to flooding.

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

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

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

## **Existing 100-Year Flood Risk**

Population at risk 8,420	# of structures	1,201	Critical facilities 11	
Flood risk type: Riverine? Ye	Coastal? No	Local? Yes	Playa? No	Other? Yes
Farm/Ranch land impacted (acres	5	Roadway(s) impacted (miles)	66	
Number of low water crossings		Historical road closures	19	

#### 100-Year Flood Risk Reduction

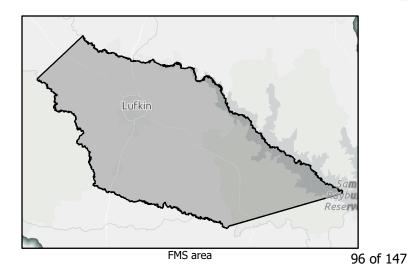
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) -Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





City of Burke Drainage Ditch Capacity Upgrades Title

ID# 052000097 Sponsor Burke (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Angelina

Strategy description Establish a plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads

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

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

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

## **Existing 100-Year Flood Risk**

Population at risk 0	# c	of structures 1			Critical facilit	ies 0		
Flood risk type: Riverine? Y	Coastal?	No	Local? Yes	P	laya? No	0	ther?	No
Farm/Ranch land impacted (acres	0	Roa	padway(s) impac	ted (miles)	כ			
Number of low water crossings	0	His	storical road clos	sures (	כ			

#### 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

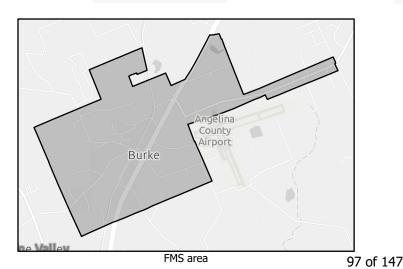
#### **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$500,000 Amount of available funding % Nature-Based 0





**Chambers County Property Protection** Title

ID# 052000098 Sponsor Chambers (County)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Chambers

Strategy description Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding

throughout all participating jurisdictions

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

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

## **Existing 100-Year Flood Risk**

Population at risk 1,431	# of structures	1,175		Critical	facilities 0		
Flood risk type: Riverine? Ye	Coastal? Yes	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	5,933	Roadway(s) im	pacted (miles)	162			
Number of low water crossings		Historical road	closures	0			

#### 100-Year Flood Risk Reduction

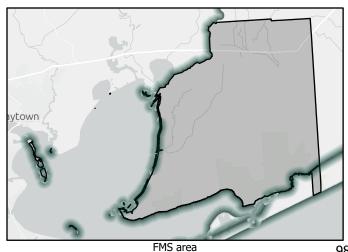
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding % Nature-Based 0



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Cherokee County Culvert Upgrades Title

ID# 052000099 Sponsor Cherokee (County)

RFPG recommend? Yes Recommendation

Reason for Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Cherokee

Strategy description Develop plan to upgrade major culvert areas which are prone to flooding.

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

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

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

## **Existing 100-Year Flood Risk**

Population at risk 1,382	# of structu	ures 672	Critica	al facilities 1		
Flood risk type: Riverine? Y	Coastal? No	Local? Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	20	Roadway(s) impact	ted (miles) 49			
Number of low water crossings	0	Historical road clos	sures 10			

#### 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

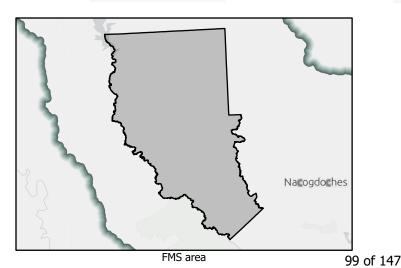
#### **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





Title City of Alto Culvert Improvements

ID# 052000100 Sponsor Alto (Municipality)

RFPG recommend? Yes

Reason for Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Cherokee

Strategy description Develop plan to increase drainage capacity in sites that are prone to flooding.

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

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

## **Existing 100-Year Flood Risk**

Population at risk 2	#	of structures	11		Critical f	acilities 0		
Flood risk type: Riverine? Y	s Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	0		Roadway(s) in	npacted (miles)	0			
Number of low water crossings	0		Historical road	d closures	0			

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

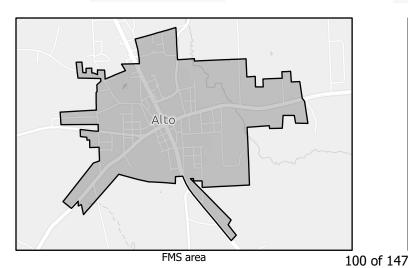
# **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding - % Nature-Based 0





Title City of Reklaw Drainage System Upgrades

ID# 052000101 Sponsor Reklaw (Municipality)

RFPG recommend? Yes

Reason for Recommendation Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Cherokee

Strategy description Establish plan to increase drainage capacity in sites that are prone to flooding.

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

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

## **Existing 100-Year Flood Risk**

Population at risk 0		# of structures	1		Critical	facilities 0		
Flood risk type: Riverine?	res Co	pastal? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acre	s) 1		Roadway(s) ir	mpacted (miles)	0			
Number of low water crossings	0		Historical roa	d closures	0			

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

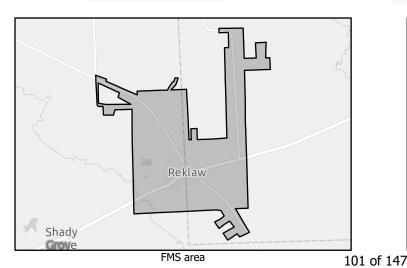
## **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding - % Nature-Based 0





City of Rusk Culvert Improvements Title

ID# 052000102 Sponsor Rusk (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Cherokee

Strategy description Establish plan to increase drainage capacity in sites that are prone to flooding.

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

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

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

## **Existing 100-Year Flood Risk**

Population at risk 462		of structures	41		Critical	facilities 0		
Flood risk type: Riverine? Y	s Coasta	l? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	1		Roadway(s) i	mpacted (miles)	2			
Number of low water crossings	0		Historical roa	nd closures	0			

#### 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

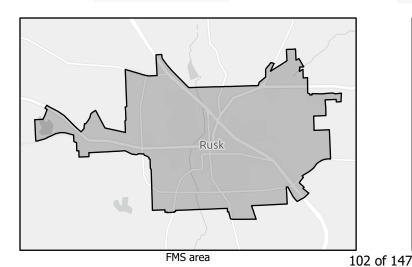
## **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding % Nature-Based 0





City of Wells Culvert Improvements Title

ID# 052000103 Sponsor Wells (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Cherokee

Strategy description Establish plan to increase drainage capacity in sites that are prone to flooding.

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

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

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

## **Existing 100-Year Flood Risk**

Population at risk 0		# of structures	1		Critical	facilities 0		
Flood risk type: Riverine?	es Co	astal? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acre	s) 0		Roadway(s) in	mpacted (miles)	0			
Number of low water crossings	0		Historical roa	d closures	0			

#### 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

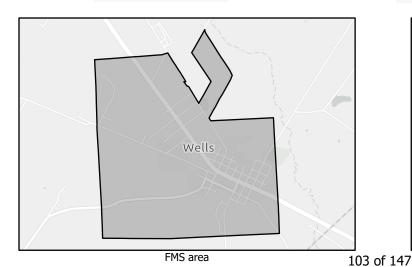
## **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

**Strategy Cost** \$1,000,000 Amount of available funding % Nature-Based 0





Title Hardin County Culverts, Ditches, and Channel

ID# 052000104 Sponsor Hardin (County)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Establish plan to upgrade storm water capacity by installing/upgrading culverts and enlarging storm water channels.

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

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

## **Existing 100-Year Flood Risk**

Population at risk 10,528	# of stru	ictures 3,678		Critical facilities	25
Flood risk type: Riverine? Y	Coastal? No	Local?	No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres	743	Roadway(s) in	mpacted (miles)	136	
Number of low water crossings	13	Historical road	d closures	13	

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

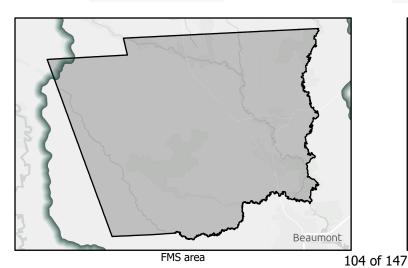
## **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$3,000,000 Amount of available funding - % Nature-Based 0





Hardin County Detention Ponds Title

ID# 052000105 Sponsor Hardin (County)

RFPG recommend? Yes

Reason for Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Develop a program to construct water retention ponds to collect stormwater run-off, reduce flooding, and use as an alternate

water source throughout Hardin County.

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(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 10,528	# of stru	ictures 3,678		Critical facilities	25
Flood risk type: Riverine? Y	Coastal? No	Local?	No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres	743	Roadway(s) in	mpacted (miles)	136	
Number of low water crossings	13	Historical road	d closures	13	

#### 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

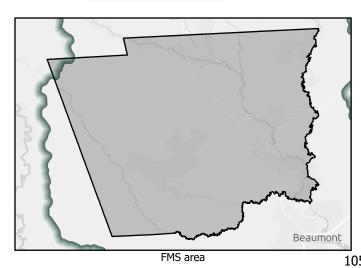
Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding % Nature-Based 0





Regional view of FMS area 105 of 147

Title Hardin County Elevate Roads and Bridges

ID# 052000106 Sponsor Hardin (County)

RFPG recommend? Yes Reason for

Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

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

### **Existing 100-Year Flood Risk**

Population at risk 10,528	# of stru	ictures 3,678		Critical facilities	25
Flood risk type: Riverine? Y	Coastal? No	Local?	No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres	743	Roadway(s) in	mpacted (miles)	136	
Number of low water crossings	13	Historical road	d closures	13	

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

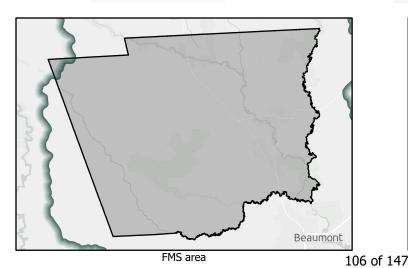
## **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$10,000,000 Amount of available funding - % Nature-Based 0





Title City of Kountze Culverts and Ditches

ID# 052000107 Sponsor Kountze (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals



REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Develop plan to increase drainage capacity in sites that are prone to flooding.

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(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 2		# of structure	s 3		Critical	facilities 0		
Flood risk type: Riverine?	Yes (	Coastal? No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acre	es) 0		Roadway(s)	impacted (miles)	1			
Number of low water crossings	0		Historical ro	ad closures	0			

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

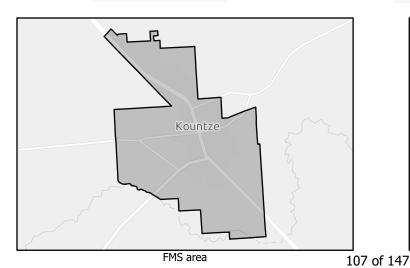
# **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$3,000,000 Amount of available funding - % Nature-Based 0





Title City of Kountze Elevate Roads and Bridges

ID# 052000108 Sponsor Kountze (Municipality)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals

REGION 5



REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

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(s) 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 2	# o	f structures 3		Critical fac	cilities 0	
Flood risk type: Riverine? Y	Coastal?	No Loc	al? No	Playa?	No Other?	Yes
Farm/Ranch land impacted (acres	0	Roadv	vay(s) impacted (mi	les) 1		
Number of low water crossings	0	Histor	cal road closures	0		

#### 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 -

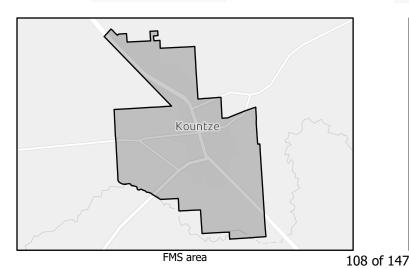
# **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding - % Nature-Based 0





City of Kountze General Drainage Improvements Title

ID# 052000109 Sponsor Kountze (Municipality)

RFPG recommend? Yes

Reason for Complies with RFPG Goals Recommendation

REGION 5



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Increase drainage capacity; add stormwater detention basins and stormwater pumping stations where gravity flow is not

feasible.

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

Goal(s) 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.

### **Existing 100-Year Flood Risk**

Population at risk 2	# 0	of structures 3		Critical	facilities 0		
Flood risk type: Riverine? Y	Coastal?	No L	Local? No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres		Roa	adway(s) impacted	(miles) 1			
Number of low water crossings		Hist	torical road closure	s 0			

#### 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

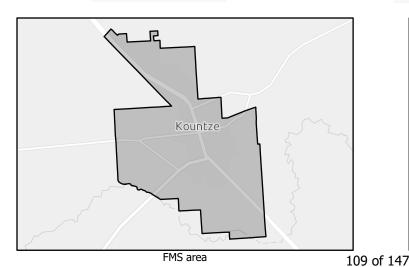
Reduction in # of road closures over 10 years

**Impacts** 

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

#### **Estimated Cost**

**Strategy Cost** \$1,500,000 Amount of available funding % Nature-Based 0





City of Lumberton Culverts, Ditches, and Channels Title

ID# 052000110 Sponsor Lumberton (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation

**NECHES** 

REGION 5

REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Develop plan to increase drainage capacity in sites that are prone to flooding.

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

Goal(s) 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.

### **Existing 100-Year Flood Risk**

Population at risk 658	# c	of structures	235		Critical	facilities 0		
Flood risk type: Riverine? Ye	Coastal?	No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	23		Roadway(s) in	mpacted (miles)	4			
Number of low water crossings	L		Historical roa	d closures	1			

#### 100-Year Flood Risk Reduction

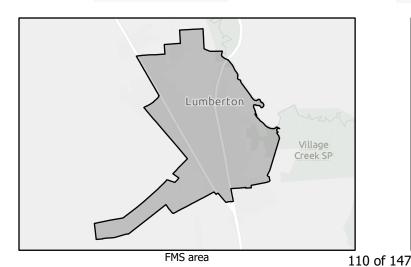
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) -Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

**Strategy Cost** \$3,000,000 Amount of available funding % Nature-Based 0





Title City of Rose Hill Acres Flood Control Improvements

ID# 052000111 Sponsor Rose Hill Acres (Municipality)

Reason for

RFPG recommend? Yes Recommendation

Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Develop a program to upgrade flood control structures (barriers, berms) for the purpose of protecting critical facilities, potable

water sources, and agricultural resources from water contamination and saltwater intrusion.

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(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 278	#	of structures	134		Critical	facilities 0		
Flood risk type: Riverine? Y	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres			Roadway(s) i	mpacted (miles)	2			
Number of low water crossings			Historical roa	d closures	0			

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

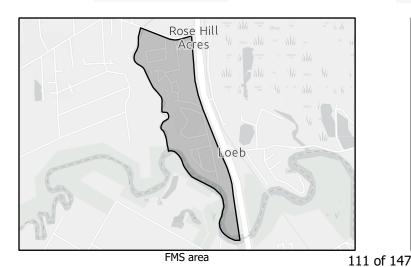
## **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$3,000,000 Amount of available funding - % Nature-Based 0





Title City of Rose Hill Acres General Drainage Improvements

ID# 052000112 Sponsor Rose Hill Acres (Municipality)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Establish criteria to increase drainage capacity; add stormwater detention basins, box culverts and/or pipes to increase drainage

capacity.

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(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 278	#	of structures	134		Critical	facilities 0		
Flood risk type: Riverine? Y	Coastal?	No	Local?	No	Playa?	No	Other?	No
Farm/Ranch land impacted (acres			Roadway(s) i	mpacted (miles)	2			
Number of low water crossings			Historical roa	d closures	0			

#### 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 -

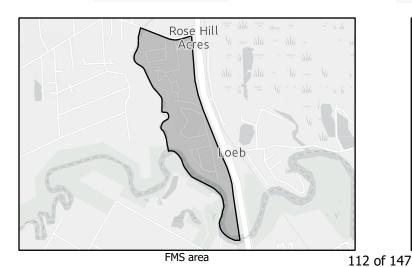
## **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$400,000 Amount of available funding - % Nature-Based 0





f 147 Regional view of FMS area

Title City of Silsbee Detention, Culverts, Ditches and Channels

ID# 052000113 Sponsor Silsbee (Municipality)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Develop plan to increase drainage capacity in sites that are prone to flooding.

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(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 780	#	of structures	87		Critical	facilities 2		
Flood risk type: Riverine? Y	Coastal?	No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	1		Roadway(s) i	mpacted (miles)	2			
Number of low water crossings	3		Historical roa	d closures	3			

#### 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 -

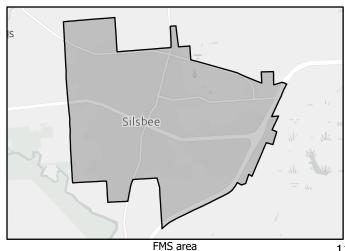
## **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$1,500,000 Amount of available funding - % Nature-Based 0





Regional view of FMS area

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City of Silsbee Drainage Ditches Title

ID# 052000114 Sponsor Silsbee (Municipality)

RFPG recommend? Yes

Reason for Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Develop a program to upgrade drainage ditches and explore converting necessary ditches into curb / sewer construction.

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

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

Goal 3: Reduce 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%.

## **Existing 100-Year Flood Risk**

Population at risk 780	#	of structures	87		Critical	facilities 2		
Flood risk type: Riverine? Y	Coastal?	No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	1		Roadway(s) i	mpacted (miles)	2			
Number of low water crossings	3		Historical roa	d closures	3			

#### 100-Year Flood Risk Reduction

Water supply contributions? No

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

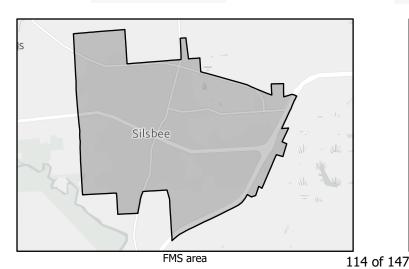
Water supply contribution description

## **Impacts**

Negative impacts? Negative impacts description No

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding % Nature-Based 0





Title City of Silsbee Flood Mitigation for Hendrix Development

ID# 052000115 Sponsor Silsbee (Municipality)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Explore, plan, and implement flood mitigation strategies within the Hendrix Development.

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(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 780	#	of structures	87		Critical	facilities 2		
Flood risk type: Riverine? Y	Coastal	No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	1		Roadway(s) in	mpacted (miles)	2			
Number of low water crossings	3		Historical roa	d closures	3			

#### 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 - Reduction in # of road closures over 10 years -

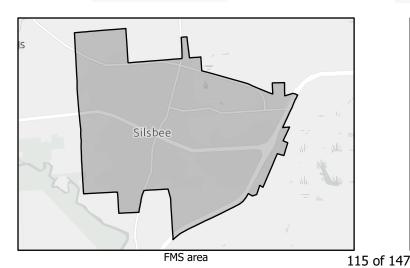
# **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$5,000,000 Amount of available funding - % Nature-Based 0





Title City of Sour Lake Channel Improvements

ID# 052000116 Sponsor Sour Lake (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

REGION 5



## REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Establish criteria and standards for installing large concrete channels, box culvert, concrete pipe, and/or mechanisms as needed

to mitigate drainage ditch erosion and improve water capacity and conveyance.

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

Goal 3: Reduce 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%.

### **Existing 100-Year Flood Risk**

Population at risk 1,687	# of structur	res 435	Critical facilities	7
Flood risk type: Riverine? Y	Coastal? No	Local? No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres		Roadway(s) impacted (r	miles) 8	
Number of low water crossings		Historical road closures	3	

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

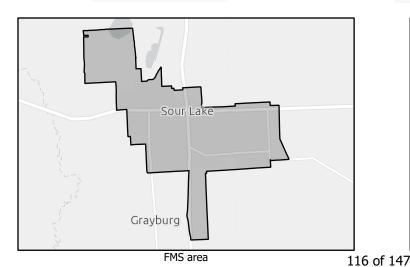
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$500,000 Amount of available funding - % Nature-Based 0





Title City of Sour Lake Drainage Outfalls

ID# 052000117 Sponsor Sour Lake (Municipality)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Advance a plan to rectify, enlarge, and maintain outfall channels for the City of Sour Lake, including excavating interior roadside

ditches.

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

Goal 3: Reduce 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%.

### **Existing 100-Year Flood Risk**

Population at risk 1,687		# of structures	435		Critical	facilities 7		
Flood risk type: Riverine? Y	es Coas	al? No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	7		Roadway(s) i	mpacted (miles)	8			
Number of low water crossings	3		Historical roa	d closures	3			

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

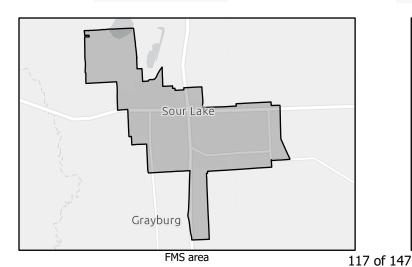
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding - % Nature-Based 0





City of Sour Lake Stormwater Detention Title

ID# 052000118 Sponsor Sour Lake (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Hardin

Strategy description Establish criteria and standards to construct water retention ponds to collect stormwater run-off and reduce flooding.

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

Goal(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 1,687	# of structur	res 435	Critical facilities	7
Flood risk type: Riverine? Y	Coastal? No	Local? No	Playa? No	Other? Yes
Farm/Ranch land impacted (acres		Roadway(s) impacted (r	miles) 8	
Number of low water crossings		Historical road closures	3	

#### 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)

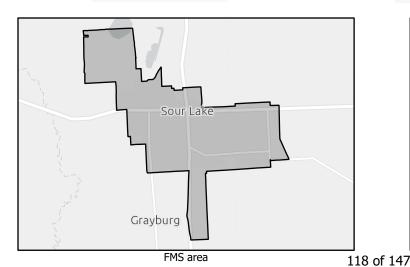
Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$7,000,000 Amount of available funding % Nature-Based 0





Houston County Drainage Culvert Upgrades Title

ID# 052000119 Sponsor Houston (County)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Houston

Strategy description Develop a plan to expand/upgrade drainage culverts to prevent flooded roadways and add signage in low-water crossings.

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

Goal(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 16		# of structures	17		Critical f	acilities 0		
Flood risk type: Riverine? Y	es Co	oastal? No	Local?	Yes	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	117		Roadway(s) ir	mpacted (miles)	20			
Number of low water crossings	7		Historical roa	d closures	7			

#### 100-Year Flood Risk Reduction

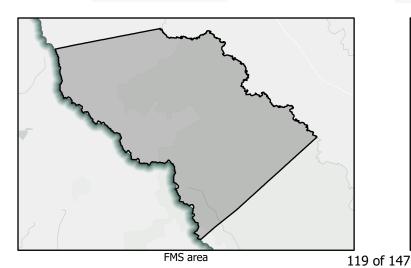
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) -Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

# **Impacts**

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

#### **Estimated Cost**

**Strategy Cost** \$3,000,000 Amount of available funding % Nature-Based 0





Title Houston County Flood Infrastructure Maintenance

ID# 052000120 Sponsor Houston (County)

RFPG recommend? Yes Reason for

Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Houston

Strategy description Clear debris from bridges, box culverts, and drainage systems throughout unincorporated county.

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(s) 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.

Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

## **Existing 100-Year Flood Risk**

Population at risk 16		# of structures	17		Critical f	acilities 0		
Flood risk type: Riverine? Y	es Co	oastal? No	Local?	Yes	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	) 117		Roadway(s) ir	mpacted (miles)	20			
Number of low water crossings	7		Historical roa	d closures	7			

#### 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 -

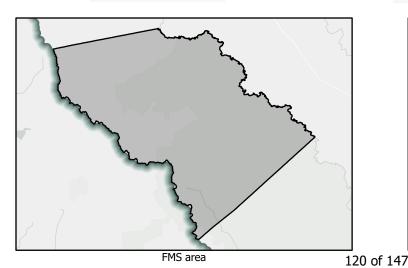
# **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding - % Nature-Based 0





Title City of Grapeland Critical Facilities Flood-Proofing

ID# 052000121 Sponsor Houston (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

**NECHES** 

REGION 5

REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Infrastructure Projects County Houston

Strategy description Flood proof critical facilities to the 500-year flood that are located in flood-prone areas of the city.

Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

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

### **Existing 100-Year Flood Risk**

Population at risk 16			# o	f structures	17		Critical	facilities 0		
Flood risk type: Riv	erine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	Yes
Farm/Ranch land impac	cted (acre	es) 117			Roadway(s) ii	mpacted (miles)	20			
Number of low water c	rossings	7			Historical roa	d closures	7			

#### 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

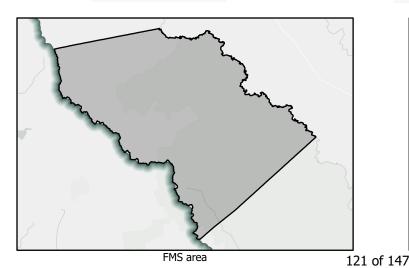
#### **Impacts**

Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding - % Nature-Based 0





City of Kennard Ditch Maintenance Program Title

ID# 052000122 Sponsor Kennard (Municipality)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Houston

Strategy description Implement program to routinely remove debris from drainage ways and roadside ditches to prevent back up of flood velocity

and improve conveyance of stream during flood events.

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(s) 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.

Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

## **Existing 100-Year Flood Risk**

Population at risk 16	# of structures	17	Critical facilities 0	
Flood risk type: Riverine? Ye	Coastal? No	Local? Yes	Playa? No Other? Yes	
Farm/Ranch land impacted (acres	17	Roadway(s) impacted (	(miles) 20	
Number of low water crossings		Historical road closure	es 7	

#### 100-Year Flood Risk Reduction

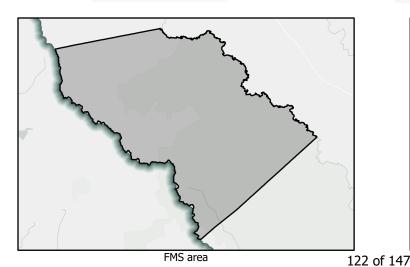
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding % Nature-Based 0





Liberty County Drainage Projects Title

ID# 052000123 Sponsor Liberty (County)

RFPG recommend? Yes

Reason for Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Liberty

Strategy description The county will work with partnering jurisdictions and engineers in order to implement drainage projects throughout the

county- including adding ditches, detention ponds and detention basins in identified locations throughout the county.

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(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 143		# of structures	116		Critical	facilities 1		
Flood risk type: Riverine?	es Coa	astal? No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acre	5) 1,526		Roadway(s) ir	mpacted (miles)	7			
Number of low water crossings	0		Historical roa	d closures	0			

#### 100-Year Flood Risk Reduction

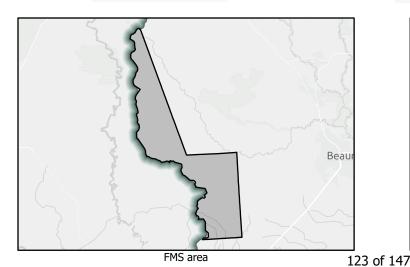
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





Title City of Daisetta Culvert Maintenance and Upgrades

ID# 052000124 Sponsor Daisetta (Municipality)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals



# REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Liberty

Strategy description Removal of debris, silt and vegetation obstacles in drainage ways. Project will clear obstacles, mow and reshape ditches, and

upgrade culverts to restore adequate drainage to mitigate flooding.

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(s) 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.

Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

## **Existing 100-Year Flood Risk**

Population at risk 0		# of structures	0		Critical f	facilities 0		
Flood risk type: Riverine?	es Co	astal? No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acre	s) 0		Roadway(s) in	mpacted (miles)	0			
Number of low water crossings	0		Historical roa	d closures	0			

#### 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

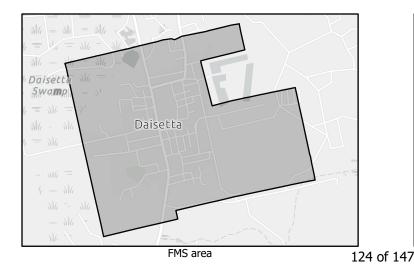
## **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding - % Nature-Based 0





Title OCDD Flood Infrastructure Improvements

ID# 052000125 Sponsor Orange County Drainage District

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Orange

Strategy description Support regional efforts to plan, design, and construct large scale flood control / storm surge protection improvements

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(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 11,929		# of structures	5,007		Critical	facilities 36		
Flood risk type: Riverine?	es Co	pastal? Yes	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	346		Roadway(s) ir	mpacted (miles)	136			
Number of low water crossings	20		Historical roa	d closures	20			

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

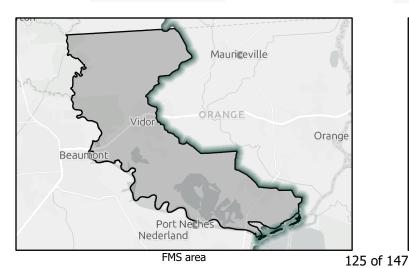
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$3,000,000 Amount of available funding - % Nature-Based 0





Title Polk County Facilities Hazard Hardening Retrofit

ID# 052000126 Sponsor Polk (County)

RFPG recommend? Yes

Reason for Recommendation Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Polk

Strategy description Activities may include but are not limited to: flood proofing, impact resistant windows, storm shutters, roof straps, structural

bracing, low-flow plumbing fixtures, roll-up door reinforcement, grounding systems, and surge-protection.

Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

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

## **Existing 100-Year Flood Risk**

Population at risk 368	# of s	structures 84		Critical f	acilities 0		
Flood risk type: Riverine? Y	Coastal?	No Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	2	Roadway(s	s) impacted (mile	es) 17			
Number of low water crossings		Historical	road closures	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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

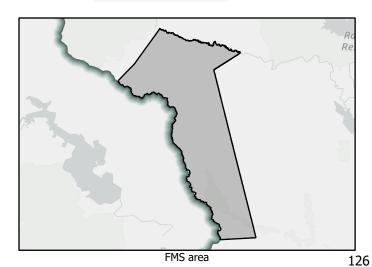
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$1,500,000 Amount of available funding - % Nature-Based 0





126 of 147 Regional view of FMS area

Title Polk County Flood Infrastructure Improvements

ID# 052000127 Sponsor Polk (County)

RFPG recommend? Yes

Reason for Recommendation Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County Polk

Strategy description Implement program to elevate and reinforce roadways and bridges prone to inundation from flooding. Projects may include general road elevation; upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings.

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(s) 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 368	# of s	structures 84		Critical f	acilities 0		
Flood risk type: Riverine? Y	Coastal?	No Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	2	Roadway(s	s) impacted (mile	es) 17			
Number of low water crossings		Historical	road closures	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 -

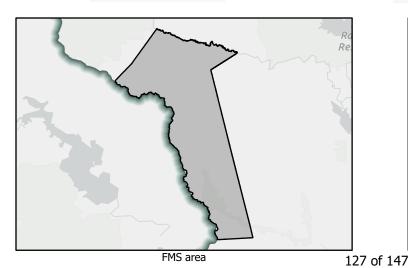
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding - % Nature-Based 0





Title City of Henderson Flood Infrastructure Maintenance

ID# 052000128 Sponsor Henderson (Municipality)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Rusk

Strategy description Establish a plan to conduct various flood control maintenance improvements throughout the City

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(s) 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.

Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

### **Existing 100-Year Flood Risk**

Population at risk 97	#	of structures	37		Critical	facilities 0		
Flood risk type: Riverine? Y	Coastal	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	5		Roadway(s) i	mpacted (miles)	2			
Number of low water crossings	0		Historical roa	d closures	0			

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

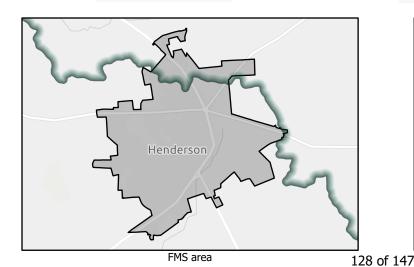
## **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding - % Nature-Based 0





San Augustine County Bridge Improvements Title

ID# 052000129 Sponsor San Augustine (County)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County San Augustine

Strategy description Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

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(s) 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? Y	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres	2	Roadway(s) impacted (miles)	13	
Number of low water crossings		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 Farm/Ranch land removed from 100-yr (acres)

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

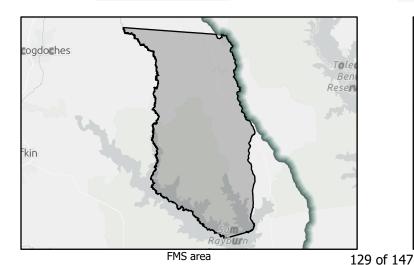
Other benefits Reduction in # of road closures over 10 years

## **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





San Augustine County Culvert Upgrades Title

ID# 052000130 Sponsor San Augustine (County)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation

REGION 5



REGIONAL FLOOD PLANNING GROUP

# **Strategy Details**

Strategy type Infrastructure Projects County San Augustine

Strategy description Establish a plan to upgrade culverts in county extent. Actions can include but are not limited to: installing/upgrading culverts

and headwalls; and enlarging storm water ditches and canals.

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

Goal(s) 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.

## **Existing 100-Year Flood Risk**

Population at risk 146	# of structures	64	Critical facilities 0	
Flood risk type: Riverine? Y	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres	2	Roadway(s) impacted (miles)	13	
Number of low water crossings		Historical road closures	2	

#### 100-Year Flood Risk Reduction

Water supply contributions? No

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

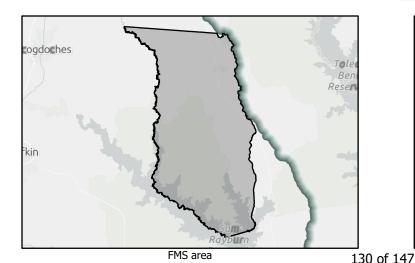
Water supply contribution description

#### **Impacts**

Negative impacts? Negative impacts description No

# **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





San Augustine County Facilities Hazard Hardening Retrofit Title

ID# 052000131 Sponsor San Augustine (County)

RFPG recommend? Yes

Reason for Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County San Augustine

Strategy description Actions can include but are not limited to: installing window screens, storm shutters, window film reinforcements, roof straps,

and flood proofing.

Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

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

### **Existing 100-Year Flood Risk**

Population at risk 146	# of structures	64	Critical facilities 0	
Flood risk type: Riverine? Y	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres	2	Roadway(s) impacted (miles)	13	
Number of low water crossings		Historical road closures	2	

#### 100-Year Flood Risk Reduction

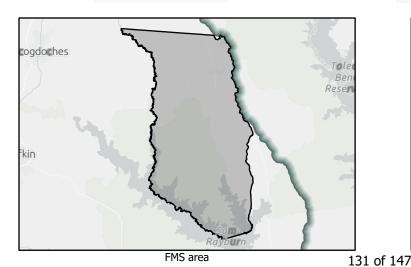
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$1,500,000 Amount of available funding % Nature-Based 0





San Augustine County Detention and Retention Pond Construction Title

ID# 052000132 Sponsor San Augustine (County)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



### **Strategy Details**

Strategy type Infrastructure Projects County San Augustine

Strategy description Construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water

run-off and as a mitigation measure for drought and wildfire.

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(s) 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 f	acilities 0		
Flood risk type: Riverine? Y	es Co	pastal? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	) 42		Roadway(s) in	npacted (miles)	13			
Number of low water crossings	2		Historical road	d closures	2			

#### 100-Year Flood Risk Reduction

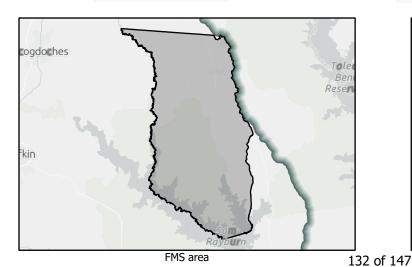
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$3,000,000 Amount of available funding % Nature-Based 0





City of San Augustine and City of Broaddus County Facilities Hazard Hardening Title Retrofit

ID# 052000133 Sponsor San Augustine (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



### REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County San Augustine

Strategy description Construct flood protection, winter storm-hardening, and expansive soils mitigation projects for water distribution networks and

wastewater facilities for Cities of Broaddus and San Augustine.

Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

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

### **Existing 100-Year Flood Risk**

Population at risk 114	# of structu	ires 34	Critical facilities	0
Flood risk type: Riverine? Ye	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres		Roadway(s) impacted	d (miles) 1	
Number of low water crossings		Historical road closur	res 0	

#### 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 \$1,000,000 Amount of available funding % Nature-Based 0





Shelby County Detention and Retention Pond Construction Title

ID# 052000134 Sponsor Shelby (County)

Reason for RFPG recommend? Yes Recommendation

Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Shelby

Strategy description Establish a plan and necessary standards to construct storm water detention/retention ponds at strategic locations for

improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire

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(s) 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.

### **Existing 100-Year Flood Risk**

Population at risk 8	# of structures	15	Critical facilities 0	
Flood risk type: Riverine? Ye	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres		Roadway(s) impacted (miles)	5	
Number of low water crossings		Historical road closures	4	

#### 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

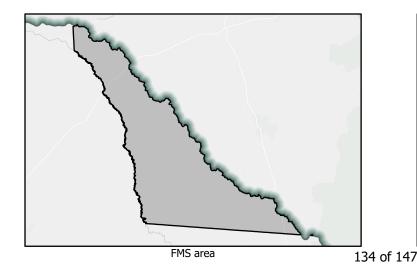
### **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$3,000,000 Amount of available funding % Nature-Based 0





**Shelby County Drainage Upgrades** Title

ID# 052000135 Sponsor Shelby (County)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation

REGION 5



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Shelby

Strategy description Establish a plan to upgrade stormwater conveyance capacity via drainage improvement projects

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

Goal(s) 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.

### **Existing 100-Year Flood Risk**

Population at risk 8	# of structure	s 15	Critical facilities 0	)
Flood risk type: Riverine? Y	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres	6	Roadway(s) impacted (miles	5	
Number of low water crossings		Historical road closures	4	

#### 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)

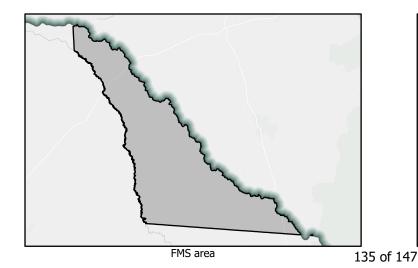
Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

## **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





Shelby County Facilities Hazard Hardening Retrofit Title

ID# 052000136 Sponsor Shelby (County)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Shelby

Strategy description Establish a plan to storm-harden and/or retrofit existing and newly constructed critical facilities

Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

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

### **Existing 100-Year Flood Risk**

Population at risk 8	# of structures	15	Critical facilities	0
Flood risk type: Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres)	6	Roadway(s) impacted (miles)	5	
Number of low water crossings		Historical road closures	4	

#### 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

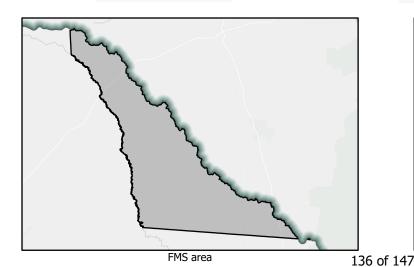
### **Impacts**

Negative impacts? Negative impacts description No

Water supply contributions? No Water supply contribution description

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





Shelby County Roadway/Bridge Elevation Title

ID# 052000137 Sponsor Shelby (County)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Shelby

Strategy description Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

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(s) 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 8	# of structure	s 15	Critical facilities 0	)
Flood risk type: Riverine? Y	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres	6	Roadway(s) impacted (miles	5	
Number of low water crossings		Historical road closures	4	

#### 100-Year Flood Risk Reduction

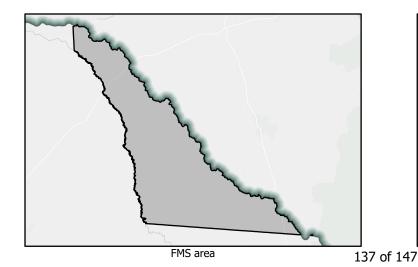
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





City of Tyler Open Channel Improvements Title

ID# 052000138 Sponsor Tyler (Municipality)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Smith

Strategy description Implement a program to enclose open channels that are contributing to flooding. Priority locations are: 1) Ashmore subdivision

between Ashmore and Salisbury and 2) Fleishel Ave. between 6th and 8th Streets.

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(s) 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 7,482		# of structures	1,042		Critical 1	facilities 72		
Flood risk type: Riverine? Y	es Co	astal? No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres	) 4		Roadway(s) in	mpacted (miles)	23			
Number of low water crossings	31		Historical roa	d closures	31			

#### 100-Year Flood Risk Reduction

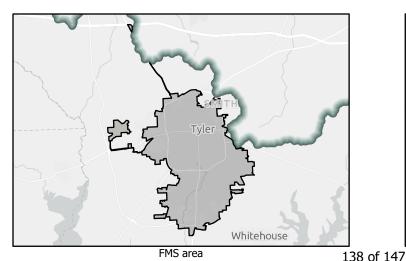
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$1,500,000 Amount of available funding % Nature-Based 0





Title City of Whitehouse Drainage Capacity Upgrades

ID# 052000139 Sponsor Whitehouse (Municipality)

Reason for

RFPG recommend? Yes Recommendation Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Smith

Strategy description Establish a plan to increase stormwater drainage capacity by completing a hydraulic study, evaluating historical water drainage,

then constructing needed improvements.

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(s) 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 98	#	of structures	33		Critical f	acilities 0		
Flood risk type: Riverine? Y	Coastal?	No	Local?	Yes	Playa?	No	Other?	No
Farm/Ranch land impacted (acres			Roadway(s) im	npacted (miles)	1			
Number of low water crossings			Historical road	d closures	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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

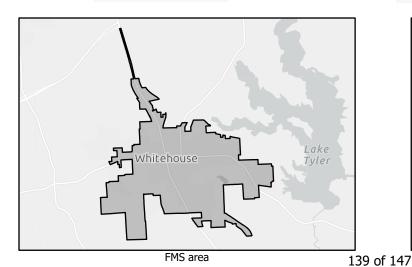
### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$1,000,000 Amount of available funding - % Nature-Based 0





Title Trinity County Flood Infrastructure Upgrades

ID# 052000140 Sponsor Trinity (County)

RFPG recommend? Yes

Reason for Recommendation Complies with RFPG Goals



### REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Trinity

Strategy description Within the county, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and

canals

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(s) 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.

### **Existing 100-Year Flood Risk**

Population at risk 15	# of structures	32	Critical facilities 0	
Flood risk type: Riverine? Y	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres	}	Roadway(s) impacted (mile	es) 22	
Number of low water crossings		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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

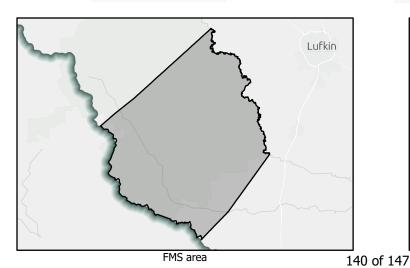
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding - % Nature-Based 0





Trinity County Flood-prone Infrastructure Upgrades Title

ID# 052000141 Sponsor Trinity (County)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Trinity

Strategy description Develop a program to upgrade flood infrastructure in the county. May include general roadway elevation upgrading culverts and

installing headwalls; upgrades and reinforcement of bridges and bridge footings; etc.

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(s) 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 15	# of structures	32	Critical facilities 0	
Flood risk type: Riverine? Y	Coastal? No	Local? Yes	Playa? No	Other? No
Farm/Ranch land impacted (acres	}	Roadway(s) impacted (mile	es) 22	
Number of low water crossings		Historical road closures	1	

#### 100-Year Flood Risk Reduction

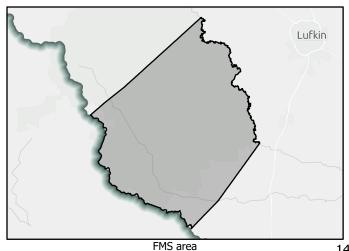
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





Regional view of FMS area

Title City of Groveton Flood Infrastructure Upgrades

ID# 052000142 Sponsor Groveton (Municipality)

RFPG recommend? Yes Reco

Reason for Recommendation Complies with RFPG Goals



### REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Trinity

Strategy description Within the city, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and

canals

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(s) 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.

### **Existing 100-Year Flood Risk**

Population at risk 2	# o	of structures 3		Critical faci	ilities 0	
Flood risk type: Riverine? Y	s Coastal?	No Lo	ocal? Yes	Playa? N	No Other?	No
Farm/Ranch land impacted (acres	0	Road	way(s) impacted (m	iles) 0		
Number of low water crossings	0	Histo	rical road closures	0		

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

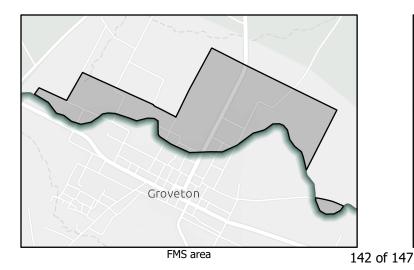
#### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$750,000 Amount of available funding - % Nature-Based 0





Van Zandt County Drainage Capacity Upgrades Title

ID# 052000143 Sponsor Van Zandt (County)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Van Zandt

Strategy description Establish a plan to increase Drainage Capacity; possible actions include installing French Drains, Building Elevation, and

Upgrading Undersized Pipe under State Hwy for Water to Run into Creek.

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

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

### **Existing 100-Year Flood Risk**

Population at risk 233	# of str	ructures 217		Critical	facilities 0		
Flood risk type: Riverine? Y	Coastal? No	Local?	Yes	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	232	Roadway(s)	impacted (miles	) 13			
Number of low water crossings	0	Historical ro	oad closures	0			

#### 100-Year Flood Risk Reduction

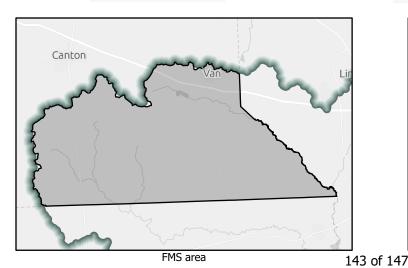
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





Van Zandt County Flood Infrastructure Maintenance Title

ID# 052000144 Sponsor Van Zandt (County)

Reason for

RFPG recommend? Yes Complies with RFPG Goals Recommendation



### **Strategy Details**

Strategy type Infrastructure Projects County Van Zandt

Strategy description Adopt and Implement a Program for Clearing Debris from Bridges, Drains and Culverts. Reduce damages caused by flooding by

maintaining or restoring drainage capacity.

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(s) 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.

Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

### **Existing 100-Year Flood Risk**

Population at risk 233	# of structures	217	Critica	l facilities 0		
Flood risk type: Riverine? Ye	Coastal? No	Local? Ye	s Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	32	Roadway(s) impa	cted (miles) 13			
Number of low water crossings		Historical road clo	osures 0			

#### 100-Year Flood Risk Reduction

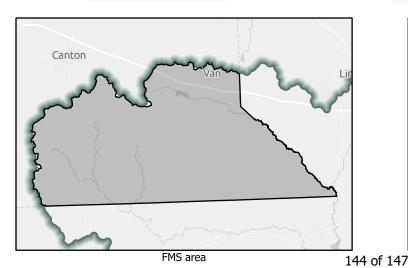
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

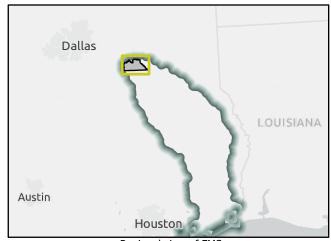
### **Impacts**

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding % Nature-Based 0





Title Van Zandt County Road Elevation

ID# 052000145 Sponsor Van Zandt (County)

Dana

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals



## REGIONAL FLOOD PLANNING GROUP

## **Strategy Details**

Strategy type Infrastructure Projects County Van Zandt

Strategy description Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

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(s) 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 233		# of structures	217		Critical f	acilities 0		
Flood risk type: Riverine? Y	es Co	oastal? No	Local?	Yes	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	) 232		Roadway(s) ir	mpacted (miles)	13			
Number of low water crossings	0		Historical roa	d closures	0			

#### 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) - Low water crossings removed from 100-yr - Other benefits - Reduction in # of road closures over 10 years -

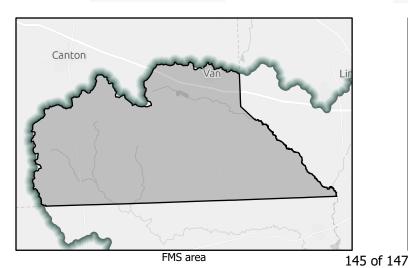
### **Impacts**

Negative impacts?

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

#### **Estimated Cost**

Strategy Cost \$2,000,000 Amount of available funding - % Nature-Based 0





Liberty County Topographical Mapping Update Title

ID# 052000146 Sponsor Liberty (County)

Reason for RFPG recommend? Yes Complies with RFPG Goals Recommendation



### REGIONAL FLOOD PLANNING GROUP

### **Strategy Details**

Strategy type Other County Liberty

Strategy description Purchase updated topographical maps/complete LiDAR aerial survey for drainage plan.

Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.

Goal(s) Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

### **Existing 100-Year Flood Risk**

Population at risk 143	# of str	ructures 116		Critical	facilities 1		
Flood risk type: Riverine? Y	Coastal? No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acres	,526	Roadway(s	s) impacted (mile	es) 7			
Number of low water crossings		Historical r	road closures	0			

#### 100-Year Flood Risk Reduction

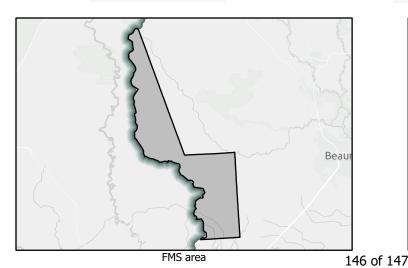
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

### **Impacts**

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

#### **Estimated Cost**

**Strategy Cost** \$107,000 Amount of available funding % Nature-Based 0





Liberty County Drainage District Multi-County Coordination Title

ID# 052000147 Sponsor Liberty County Drainage District

Reason for RFPG recommend? Yes

Complies with RFPG Goals Recommendation



## **Strategy Details**

Strategy type Other County Liberty

Strategy description Work with adjoining counties regarding flood and drainage issues.

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

Goal(s) 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.

### **Existing 100-Year Flood Risk**

Population at risk 143		# of structures	116		Critical	facilities 1		
Flood risk type: Riverine?	es Coa	astal? No	Local?	No	Playa?	No	Other?	Yes
Farm/Ranch land impacted (acre	5) 1,526		Roadway(s) ir	mpacted (miles)	7			
Number of low water crossings	0		Historical roa	d closures	0			

#### 100-Year Flood Risk Reduction

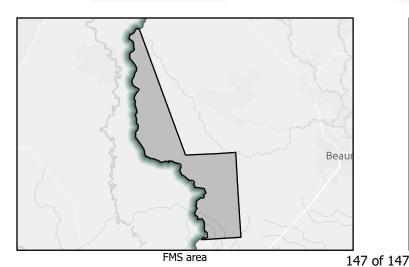
Population removed from 100-yr # of structures removed from 100-yr Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

### **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





Bayou Din Detention Basin Title

ID# 053000001 Sponsor Jefferson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes emergency need and Recommendation complies with RFPG Goals

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

#### **Project Description**

Construct a new detention basin with nearby channel and crossing improvements in the vicinity of Bayou Din.

Watershed HUC# (if known) 120402010100,120402010200 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 19

Associated FME's County Jefferson

Associated FMP's Associated FMS's

### **Existing 100-Year Flood Risk**

Local? Yes Riverine? Yes Coastal? Yes Playa? No Flood risk type: Other? No # of structures 534 Critical facilities 21

Population at risk 1,774

Farm/Ranch land impacted (acres) 1,048 Roadway(s) impacted (length) 15

Number of low water crossings Historical road closures 5

#### 100-Year Flood Risk Reduction

Population removed from 100-yr 286 # of structures removed from 100-yr 101

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 45

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benefits Reduction in # of road closures over 10 years Annual ecosystem services benefits of \$20,673,627.

#### **Impacts**

Negative impacts? Negative impacts description Nο

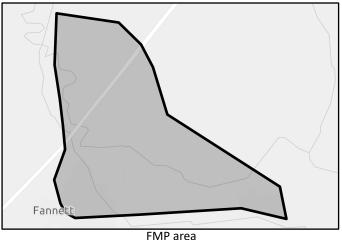
Water supply contributions? No Water supply contribution description -

### **Estimated Cost**

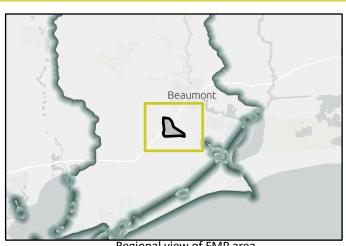
% Nature-Based -BCR 5 \$85,000,000 **Project Cost** 

USACE coordination may be required due to presence of wetlands. Survey Recurring costs \$6,144,283 may be required to avoid existing utility conflicts from nearby residential and

industrial properties.



1 of 5



Regional view of FMP area

Bessie Heights Drainage Ditch Extension Project Title

ID# 053000002 Sponsor Orange County Drainage District

Project in area of Reason for RFPG recommend? Yes Recommendation

emergency need and complies with RFPG Goals



#### **Project Description**

Expand the Bessie Heights Drainage Ditch to address flooding risk to residential properties in the area.

Watershed HUC# (if known) 120200030407 Emergency Need? Yes Drainage area (mi<sup>2</sup> est.) 3

Associated FME's County Orange

Associated FMP's Associated FMS's -

### **Existing 100-Year Flood Risk**

Local? Yes Flood risk type: Riverine? Yes Coastal? Yes Playa? No Other? No # of structures 139 Critical facilities o Population at risk 228 Farm/Ranch land impacted (acres) 6 Roadway(s) impacted (length) 3 Number of low water crossings Historical road closures 0

#### 100-Year Flood Risk Reduction

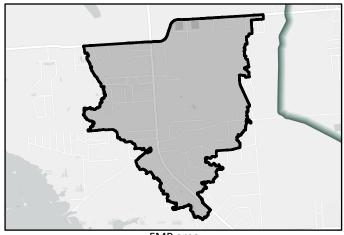
Population removed from 100-yr # of structures removed from 100-yr 10 Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benefits Reduction in # of road closures over 10 years

#### **Impacts**

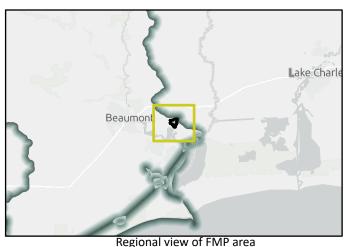
Negative impacts? Negative impacts description Nο Water supply contributions? No Water supply contribution description -

#### **Estimated Cost**

% Nature-Based -BCR 0 **Project Cost** \$4,250,000 Project is located in a concentrated area of residential buildings. Coordination Recurring costs \$307,214 Issues is likely required with the city and local residents for construction operations.







Port Arthur and Vicinity Coastal Storm Risk Management Project

ID# 053000004 Sponsor Jefferson County Drainage District 7

Project in area of Reason for RFPG recommend? Yes Recommendation emergency need and complies with RFPG Goals



### **Project Description**

Title

Construct levees, floodwalls, pump stations, drainage structures, and other flood mitigation infrastructure to reduce adverse flood impact in the vicinity of the city of Port Arthur.

Watershed HUC# (if known) 120200030407,120402010300	Emergency Need? Yes
	Drainage area (mi² est.) 66
Associated FME's	County Jefferson
Associated EMS's -	Associated FMP's -

## **Existing 100-Year Flood Risk**

Flood risk type:	Riverine? Yes	C	oastal? Yes	Local? No		Playa? No	Other? No
Population at risk 73	,381		# of structures 2	23,310		Critical facilities 1,201	
Farm/Ranch land imp	pacted (acres)	97		Roadway(s) impacted	l (length)	327	
Number of low wate	r crossings	3		Historical road closur	es 3		

#### 100-Year Flood Risk Reduction

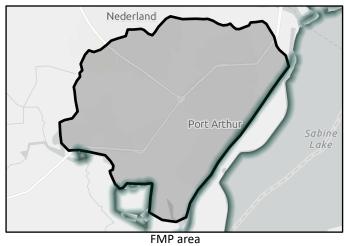
Population removed from 100-yr	8,315	# of structures removed from 100-yr	3,275
Critical facilities removed from 100-yr	71	Farm/Ranch land removed from 100-yr (acre	5) 12
Road removed from 100-yr (miles)	32	Low water crossings removed from 100-yr	0
Other benefits N/A		Reduction in # of road closures over 10 years	-

#### **Impacts**

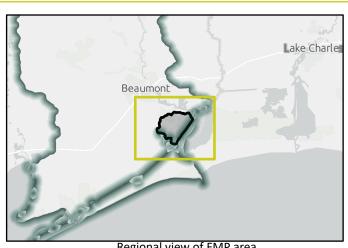
Negative impacts?	No		Negative impacts description	-
Water supply contribution	ns? No	•	Water supply contribution description	-

### **Estimated Cost**

Project Cost \$863,000,000	% Nature-Based -	BCR 5
		Il facilities and residential properties near the project;
Recurring costs \$40,841,408	lssues project may change utility conflicts.	e in design to avoid right-of-way infringements and existing







Regional view of FMP area

Orange County Coastal Storm Risk Management Project Title

ID# 053000005 Sponsor Orange County Drainage District

Project in area of Reason for RFPG recommend? Yes

emergency need and Recommendation complies with RFPG Goals



#### **Project Description**

Construct levees, floodwalls, pump stations, drainage structures, and other flood mitigation infrastructure to reduce adverse flood impact in Orange County.

Watershed HUC# (if known) 120200030407,120100051005,12010005100

Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 14

Associated FME's County Orange

Associated FMP's Associated FMS's

**Existing 100-Year Flood Risk** 

Local? No Riverine? Yes Coastal? Yes Playa? No Flood risk type: Other? No

# of structures 3,872 Critical facilities 49 Population at risk 9,830

Farm/Ranch land impacted (acres) 43 Roadway(s) impacted (length) 61

Number of low water crossings Historical road closures 1

100-Year Flood Risk Reduction

Population removed from 100-yr # of structures removed from 100-yr 201 357

Critical facilities removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 2

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 Nο

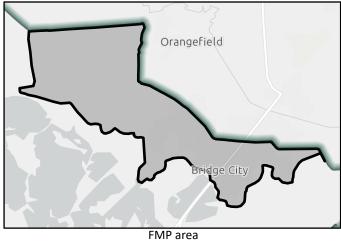
Water supply contributions? No Water supply contribution description -

**Estimated Cost** 

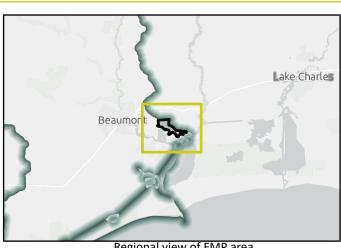
% Nature-Based -BCR 1 **Project Cost** \$119,900,000

There are industrial facilities and residential properties near the project; Recurring costs \$173,485,632 project may change in design to avoid right-of-way infringements and existing

utility conflicts.







Regional view of FMP area

Black Fork Creek Improvement Project Title

ID# 053000006 Sponsor Tyler (Municipality)

Reason for RFPG recommend? Yes

Project in area of emergency need and Recommendat on complies with RFPG Goals



## Project Descript on

Construct a detent on pond and install a diversion to be placed near the decommissioned Hogg Middle School within the city of Tyler.

Watershed HUC# (if known) 120200010105 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) O

Associated FME's 999999 County Smith

Associated FMP's 999999 Associated FMS's 999999

## Exist ng 100-Year Flood Risk

Flood risk type: Riverine? Yes	Coastal? No	Local? Yes		Playa? No	Other? No
Populat on at risk 540	# of structures 1	77		Crit cal facilites 6	
Farm/Ranch land impacted (acres) O		Roadway(s) impacted	d (length)	5	
Number of low water crossings 4		Historical road dogur	n 29		

### 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 29 # of structures removed from 100-yr 12 Crit cal facilites removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benef ts Detent on Pond will be designed for dual-use. Reduct on in # of road dosures over 10 years

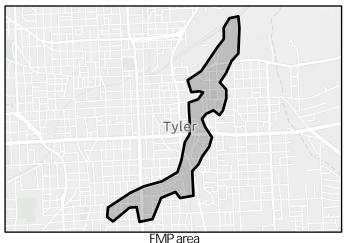
**Impacts** 

Negat ve impacts? Negat ve impacts descript on No Water supply contribut on descript on -Water supply contribut ons? No

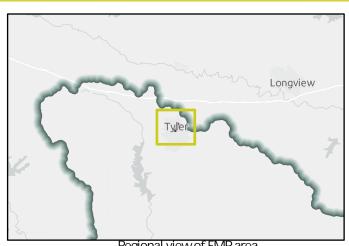
#### Est mated Cost

% Nature-Based -BCR O **Project Cost** \$22,234,300 There is a high density of development near the project locat on. Recurring costs \$12,000

Issues Transportat on to project site could be hampered and work may have to be done surveying land to prevent negat vely impact ng exist ng ut lit es.



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Sandy Creek Improvement Project

ID# 053000007 Sponsor Jasper (Municipality)

Project in area of Reason for RFPG recommend? Yes

emergency need and Recommendat on complies with RFPG Goals



## Project Descript on

Title

The project includes two new detent on basins located along Sandy Creek to mit gate fooding historically experienced by the City of Jasper.

Watershed HUC# (if known) 120200030205,120200030301,12020005080

Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 8

Associated FME's 999999

County Jasper

Associated FMS's 999999

Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine? Y	⁄es	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk 2	2,199		# of structures 2	279		Crit cal facilit es 10	
Farm/Ranch land in	mpacted (acre	s) 4		Roadway(s) impacted	(length)	13	
Number of low war	ter crossings	2		Historical road dosure	es 2		

#### 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 160 # of structures removed from 100-yr 16 Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 0 0 Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road dosures over 10 years

**Impacts** 

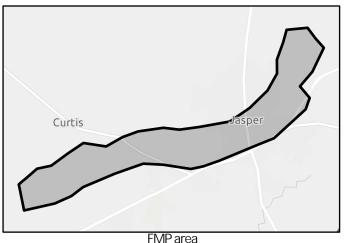
Negat ve impacts? Negat ve impacts descript on

Water supply contribut ons? No Water supply contribut on descript on -

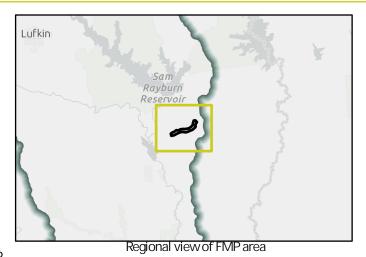
#### Est mated Cost

% Nature-Based -BCR O **Project Cost** \$224,924,330 The project area is located in a "food valley" where there are significant

Recurring costs \$12,000 Issues elevat on changes as you move doser to the more developed parts of the city. Substant al improvements will have to be implemented to af ect any







Title Sour Lake Channel Improvements

ID# 053000008 Sponsor Hardin (County)

REPG recommend? Yes

Reason for

Recommendation

Reason for Project in area of
Recommendat on emergency need and complies with RFPG Goals



## Project Descript on

The project proposes a new diversion channel through Sour Lake, providing a path for runof from the West to the East.

Watershed HUC# (if known) 120200070104,120200070105,12020007011

Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 45

Associated FME's 999999

County Hardin, Jef erson, Liberty

Associated FMS's 999999 Associated FMP's 999999

Exist ng 100-Year Flood Risk

Flood risk type: Riverine? Yes Coastal? Yes Local? Yes Playa? No Other? No

N/A

Population at risk 2,565 # of structures 1,106 Critical facilities 23

Farm/Ranch land impacted (acres) 2,306 Roadway(s) impacted (length) 30

Number of low water crossings 3 Historical road dosures 3

100-Year Flood Risk Reduct on

Populat on removed from 100-yr 515 # of structures removed from 100-yr

Crit cal facilities removed from 100-yr (acres) 6

Road removed from 100-yr (miles) 2 Low water crossings removed from 100-yr 0

Other benefits N/A Reduction in # of road closures over 10 years -

**Impacts** 

Negat ve impacts? No Negat ve impacts descript on

Water supply contribut ons? No Water supply contribut on descript on -

Est mated Cost

Project Cost \$63,303,926 % Nature-Based - BCR 0

Recurring costs \$12,000 Issues

Sour Lake

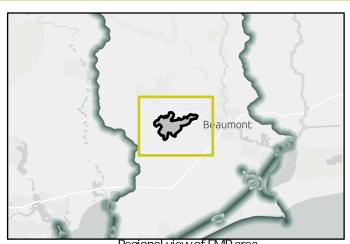
Bevilloaks

Meeker

China

Nome

rea 7 of 26



Regional view of FMP area

Rosedale Improvement System Title

ID# 053000009 Sponsor Jef erson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes Recommendat on

emergency need and complies with RFPG Goals



## Project Descript on

The project proposes widening and deepening of exist ng channels upstream of the LNVA canal, a diversion channel to the Neches River, and detent on basins, near the Rosedale Acres community.

Watershed HUC# (if known) 120200070205,120200070302,12020007030

Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 13

Associated FME's 999999

County Hardin, Jef erson

Associated FMS's 999999

Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local? Yes		Playa? No	Other? No
Populat on at risk	3,022		# 0	of structures 1,69	7		Crit cal facilit es 6	
Farm/Ranch land i	impacted (ac	res) 398		Ro	adway(s) impacted	(length)	29	
Number of low/wa	ater crossings	1		Hi	storical road dogura	oc 1		

### 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 421 Crit cal facilites removed from 100-yr Road removed from 100-yr (miles) 3 Other benef ts N/A

# of structures removed from 100-yr 194 Farm/Ranch land removed from 100-yr (acres) 21 Low water crossings removed from 100-yr Reduct on in # of road closures over 10 years

#### **Impacts**

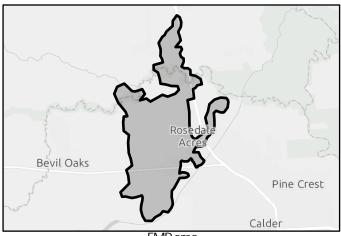
Negat ve impacts? Negat ve impacts descript on Water supply contribut ons? No Water supply contribut on descript on -

#### Est mated Cost

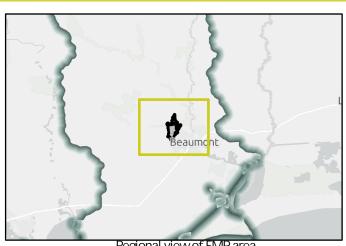
**Project Cost** \$308,620,428 Recurring costs \$12,000

% Nature-Based -BCR O

Project is located next to a concentrat on of exist ng development and is Issues adjacent to a major highway. Coordinat on will likely be required with mult ple agencies for construct on operations.



FMP area



Regional view of FMP area

Nome Conveyance Improvements

ID# 053000010 Sponsor Jef erson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes emergency need and Recommendat on

complies with RFPG Goals



## Project Descript on

Title

The project proposes an improvement system consisting of channelization along Cotion Creek and an of-line detention basin to mitigate impacts.

Watershed HUC# (if known) 120200070110,120200070201,12040201010

Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 10

Associated FME's 999999 County Jeferson, Liberty

Associated FMS's 999999 Associated FMP's 999999

Exist ng 100-Year Flood Risk

Flood risk type: Riverine? Yes Local? Yes Playa? No Other? No Coastal? Yes

Crit cal facilities () # of structures 277 Populat on at risk 248

Roadway(s) impacted (length) 12 Farm/Ranch land impacted (acres) 1,399

Number of low water crossings Historical road dosures O

100-Year Flood Risk Reduct on

Populat on removed from 100-yr # of structures removed from 100-yr 11

Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 3

Road removed from 100-yr (miles) Low water crossings removed from 100-yr

Other benef ts N/A Reduct on in # of road dosures over 10 years

**Impacts** 

Negat ve impacts? Negat ve impacts descript on

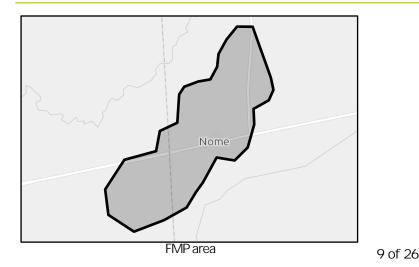
Water supply contribut on descript on -Water supply contribut ons? No

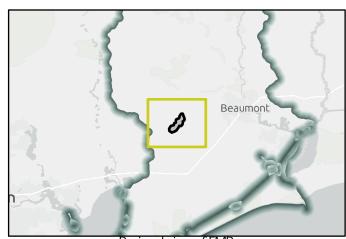
Est mated Cost

% Nature-Based -BCR O **Project Cost** \$163,293,623

N/A Issues

Recurring costs \$12,000





Pevitot Gully Improvement System Title

ID# 053000011 Sponsor Jef erson County Drainage District 6

Reason for RFPG recommend? Yes Recommendat on

Project in area of emergency need and complies with RFPG Goals



## Project Descript on

The project proposes an improvement system consisting of of line detention basins and channelization along Pevitot Gully.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 11

Associated FME's 999999 County Jeferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal? Ye	'es	Local? Yes		Playa? No	Other? No
Populat on at risk	1,652		# of s	structures 287			Crit cal facilites 1	
Farm/Ranch land i	impacted (acr	res) 935		Roa	dway(s) impacted (	(length)	15	
Number of low wa	ater crossings	0		His	torical road dosures	50		

## 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 245 # of structures removed from 100-yr 27 Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 13 0 Road removed from 100-yr (miles) 4 Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road dosures over 10 years

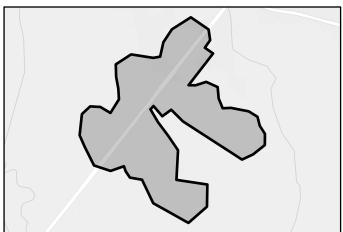
**Impacts** 

Negat ve impacts? Negat ve impacts descript on Water supply contribut on descript on -Water supply contribut ons? No

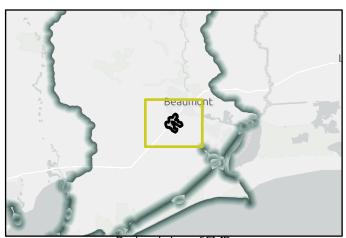
#### Est mated Cost

% Nature-Based -BCR O **Project Cost** \$319,970,815 Recurring costs \$12,000

Project is located next to a concentrat on of exist ng development and is Issues adjacent to a major highway. Coordinat on will likely be required with mult ple agencies for construct on operations.



FMP area



Regional view of FMP area

Title Willow Marsh Bayou Phelan Blvd Detent on

ID# 053000012 Sponsor Jef erson County Drainage District 6

RFPG recommend? Yes

Reason for
Recommendat on

Reason for
Recommendat on

trict 6
Project in area of
emergency need and
complies with RFPG Goals



## Project Descript on

The project proposes an improvement system consisting of in-line detention basins and channelization along Willow Marsh from Phenlan Blvd to Highway 90.

Watershed HUC# (if known) 120402010100,120402010200 Emergency Need? Yes

Drainage area (mi² est.) 4

Associated FME's 9999999 County Jefferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk	417		# of structures 37	8		Crit cal facilites 8	
Farm/Ranch land i	mpacted (acre	es) 231		Roadway(s) impacted	(length)	6	
Number of low wa	nter crossings	0		Historical road dosure	s 0		

### 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 35 # of structures removed from 100-yr 14

Crit cal facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 5

Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0

Other benefits N/A Reduct on in # of road dosures over 10 years -

**Impacts** 

Negat ve impacts? No Negat ve impacts descript on Water supply contribut ons? No Water supply contribut on descript on -

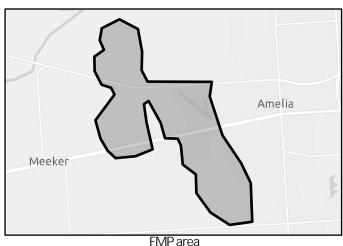
#### Est mated Cost

Project Cost \$203,869,200 

Recurring costs \$12,000 

\*\*Nature-Based - BCR 0

Project is located in a concentrated area of resident al buildings. Coordinat on Issues is likely required with the city and local residents for construct on operations.





Beaumont

Willow Marsh Main Improvement System Title

ID# 053000013 Sponsor Jef erson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes Recommendat on

emergency need and complies with RFPG Goals



## Project Descript on

The project proposes an improvement system consisting of of -line detention basins and channelization along Willow Marsh from Highway 90 to South Major

Watershed HUC# (if known) 120402010100,120402010200,12040201030

Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 98

Associated FME's 999999

County Jeferson

Associated FMS's 999999

Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type: Riverine? Yes	Coastal? Yes	Local? Yes	Playa? No	Other? No
Populat on at risk 7,544	# of structures 3,8	53	Crit cal facilit es 35	
Farm/Ranch land impacted (acres) 5.564		oadwav(s) impacted (length)	) 85	

Number of low water crossings Historical road dosures 0

### 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 239 # of structures removed from 100-yr 102 Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 8 0 Road removed from 100-yr (miles) 8 Low water crossings removed from 100-yr

Other benef ts N/A Reduct on in # of road dosures over 10 years

**Impacts** 

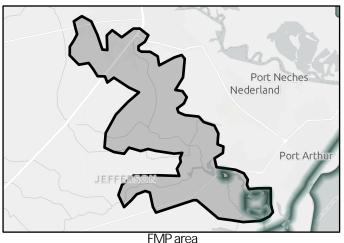
Negat ve impacts? Negat ve impacts descript on

Water supply contribut on descript on -Water supply contribut ons? No

#### Est mated Cost

% Nature-Based -BCR O **Project Cost** \$1,136,334,277

Project is located next to a concentrat on of exist ng development and is Recurring costs \$12,000 Issues adjacent to a major highway. Coordinat on will likely be required with mult ple agencies for construct on operations.







Title Willow Marsh Downstream

ID# 053000014 Sponsor Jef erson County Drainage District 6

RFPG recommend? Yes

Reason for Project in area of emergency need and

mendation emergency need and complies with RFPG Goals



## Project Descript on

The project proposes an improvement system consist ng of of -line detent on basins and channelizat on along Willow Marsh from South Major Dr to Hillebrandt Bayou.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 9

Associated FME's 9999999 County Jefferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk	2,390		# of structure	s 606		Crit cal facilit es 4	
Farm/Ranch land i	impacted (ac	res) 163		Roadway(s) impacted	(length)	19	
Number of low/wa	ater crossing	. 0		Historical road dogum	0.29		

### 100-Year Flood Risk Reduct on

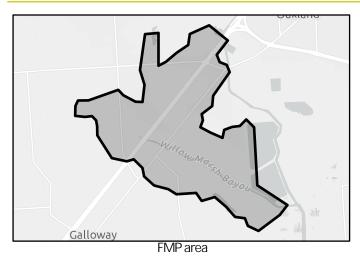
Populat on removed from 100-yr 96 # of structures removed from 100-yr 25
Crit cal facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 2
Road removed from 100-yr (miles) 4 Low water crossings removed from 100-yr 0
Other benefits N/A Reduction in # of road closures over 10 years -

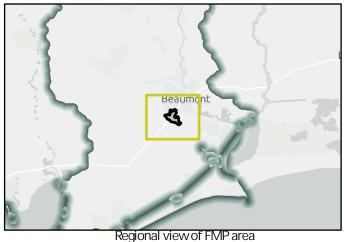
**Impacts** 

Negat ve impacts? No Negat ve impacts descript on Water supply contribut ons? No Water supply contribut on descript on -

#### Est mated Cost

Project is located next to a concentrat on of exist ng development and is Issues adjacent to a major highway. Coordinat on will likely be required with mult ple agencies for construct on operat ons.





Tyrrell Park Improvements Title

ID# 053000015 Sponsor Jef erson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes

emergency need and Recommendat on complies with RFPG Goals



## Project Descript on

The project proposes a new channel alignment across Tyrrell Park to an existing channel that out alls into Hillebrandt Bayou; to gain the full benefits the project should be accompanied by improvements of roadside ditches in adjacent neighborhoods.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 2

Associated FME's 999999 County Jeferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type: Riverine? Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk 576	# of structures 50	3		Crit cal facilit es 0	
Farm/Ranch land impacted (acres) 17		Roadway(s) impacted	(length)	7	
Number of low water crossings 0		Historical road dogura	0.29		

## 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 82 # of structures removed from 100-yr 18 Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road dosures over 10 years

**Impacts** 

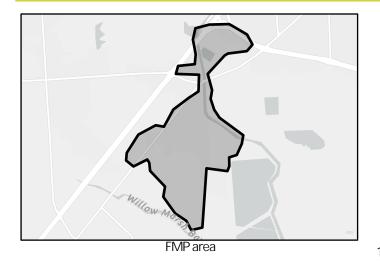
Negat ve impacts? Negat ve impacts descript on

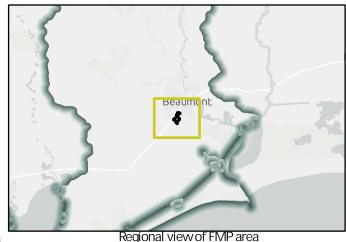
Water supply contribut on descript on -Water supply contribut ons? No

### Est mated Cost

% Nature-Based -BCR O **Project Cost** \$25,095,036 N/A

Recurring costs \$12,000 Issues





Green Pond Flow Diversion

ID# 053000016 Sponsor Jef erson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes emergency need and Recommendat on

complies with RFPG Goals



## Project Descript on

Title

The project proposes a diversion of storm runof into the Green Pond detent on facility via construct on of a berm and spillway across Channel 505-B east of the Green Pond facility. Channel improvements are also included.

Watershed HUC# (if known) 120402010100 Emergency Need? Yes Drainage area (mi<sup>2</sup> est.) 4 Associated FME's 999999 County Jeferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine? Y	'es	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk 3	362		# of structures ;	263		Crit cal facilites 0	
Farm/Ranch land in	mpacted (acre	s) 90		Roadway(s) impacted	(length)	7	
Number of low wat	ter crossings	0		Historical road dosur	es 0		

### 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 64 # of structures removed from 100-yr 43 Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 27 0 Road removed from 100-yr (miles) 3 Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road dosures over 10 years

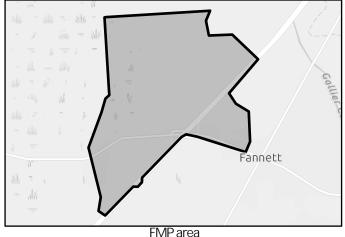
**Impacts** 

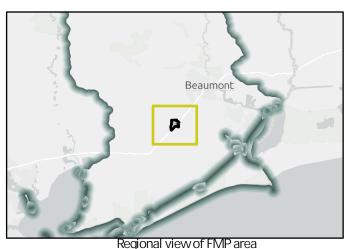
Negat ve impacts? Negat ve impacts descript on Water supply contribut on descript on -Water supply contribut ons? No

#### Est mated Cost

% Nature-Based -BCR O **Project Cost** \$7,779,088 Project is located next to a concentrat on of resident al buildings. Coordinat on

Recurring costs \$12,000 Issues is likely required with local residents for construct on operations.





Lucas/Delaware Diversion Title

ID# 053000017 Sponsor Jef erson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes emergency need and Recommendat on

complies with RFPG Goals



## Project Descript on

The project includes storm sewer improvements that divert f ow away from DD6 channels 100 and 122 to be redirected to instead f ow to channel 010 near Charles Street before ult mately discharging into the Neches River.

Watershed HUC# (if known) 120200030405,120402010200 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 9

Associated FME's 999999 County Jeferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk	14,543		# of structures 5,2	31		Crit cal facilit es 27	
Farm/Ranch land i	impacted (acre	es) 2		Roadway(s) impacted	(length)	84	
Number of low wa	ater crossings	0		Historical road dosur	es O		

## 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 2.845 # of structures removed from 100-yr 595 Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 0 0 Road removed from 100-yr (miles) 5 Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road closures over 10 years

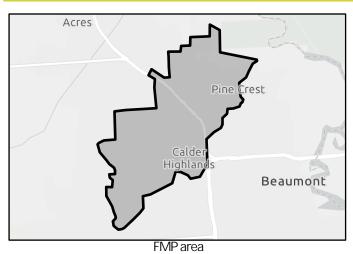
**Impacts** 

Negat ve impacts? Negat ve impacts descript on Water supply contribut on descript on -Water supply contribut ons? No

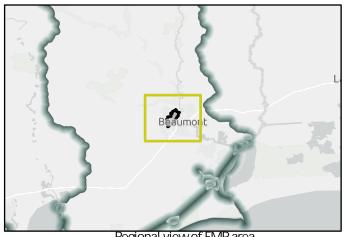
#### Est mated Cost

% Nature-Based -BCR O **Project Cost** \$130,286,230 There is a high density of development near the project locat on. Recurring costs \$12,000

Issues Transportat on to project site could be hampered and work may have to be done surveying land to prevent negat vely impact ng exist ng ut lit es.



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Title South Park Diversion

ID# 053000018 Sponsor Jef erson County Drainage District 6

REPG recommend? Yes Reason for Project in area of emergency need.

Recommendat on emergency need and complies with RFPG Goals



## Project Descript on

The project includes storm sewer improvements that divert fow away from DD6 channels 104 and 104-B to be redirected to the Neches River.

Drainage area (mi<sup>2</sup> est.) 2

Associated FME's 9999999 County Jefferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type: Riverine? Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk 4,303	# of structures 1	,367		Crit cal facilit es 16	
Farm/Ranch land impacted (acres) 0		Roadway(s) impacted	(length)	21	
Number of low water crossings 0		Historical road dog re	0.29		

## 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 1,225 # of structures removed from 100-yr 373

Crit cal facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles) 4 Low water crossings removed from 100-yr 0

Other benefits N/A Reduction in # of road dosures over 10 years -

**Impacts** 

Negat ve impacts? No Negat ve impacts descript on -

Water supply contribut ons? No Water supply contribut on descript on -

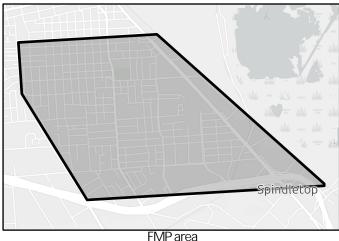
#### Est mated Cost

Project Cost \$99,908,750 

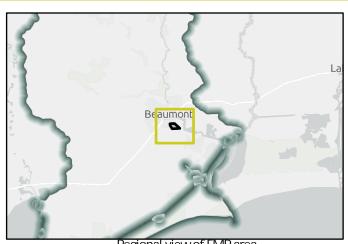
\*\*Nature-Based - BCR 0

There is a high density of development near the project locat on.

Recurring costs \$12,000 Issues Transportation to project site could be hampered and work may have to be done surveying land to prevent negatively impacting existing utilities.



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Tevis Diversion Title

ID# 053000019 Sponsor Jef erson County Drainage District 6

Project in area of Reason for

RFPG recommend? Yes emergency need and Recommendat on complies with RFPG Goals



## Project Descript on

This project includes storm sewer improvements that divert f ow away from DD6 channel 115 to be redirected to the Neches River.

Watershed HUC# (if known) 120200030405,120200030406,12040201020

Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 1

Associated FME's 999999 County Jeferson

Associated FMP's 999999 Associated FMS's 999999

Exist ng 100-Year Flood Risk

Local? Yes Playa? No Flood risk type: Riverine? Yes Coastal? Yes Other? No

Crit cal facilit es 15 # of structures 712 Populat on at risk 6,744

Roadway(s) impacted (length) 18 Farm/Ranch land impacted (acres) 0

Number of low water crossings Historical road dosures O

100-Year Flood Risk Reduct on

Populat on removed from 100-yr 1,986 # of structures removed from 100-yr 394

Farm/Ranch land removed from 100-yr (acres) 0

Crit cal facilites removed from 100-yr

Low water crossings removed from 100-yr

Road removed from 100-yr (miles)

Other benef ts N/A

Reduct on in # of road closures over 10 years

**Impacts** 

Negat ve impacts? Negat ve impacts descript on

Water supply contribut ons? No Water supply contribut on descript on -

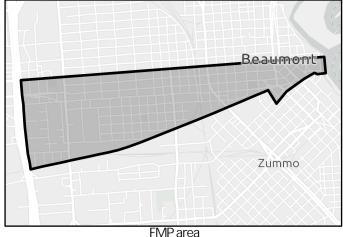
Est mated Cost

**Project Cost** \$97,327,200

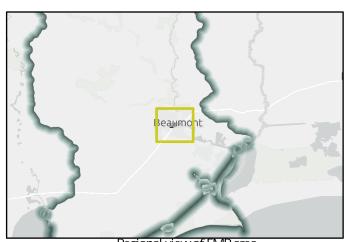
Recurring costs \$12,000

% Nature-Based -BCR O

There is a high density of development near the project locat on. Issues Transportat on to project site could be hampered and work may have to be done surveying land to prevent negat vely impact ng exist ng ut lit es.



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Title Blanchet e Diversion

ID# 053000020 Sponsor Jef erson County Drainage District 6

RFPG recommend? Yes

Reason for Project in area of emergency need an

t on emergency need and complies with RFPG Goals



## Project Descript on

The project proposes storm sewer improvements that divert flow away from existing channels to be redirected to the Neches River at a proposed out all location near Blanchet e Street.

Drainage area (mi<sup>2</sup> est.) 2

Associated FME's 9999999 County Jefferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal?	Yes	Local? Yes		Playa? No	Other? No
Populat on at risk	3,737		# 0	of structures 1,548			Crit cal facilit es 6	
Farm/Ranch land i	impacted (acr	res) O		Roa	adway(s) impacted	(length)	38	
Number of low wa	ater crossinas	0		His	torical road dogure	sO		

### 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 2,005 # of structures removed from 100-yr 550

Crit cal facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles) 11 Low water crossings removed from 100-yr 0

Other benefits N/A Reduction in # of road closures over 10 years -

### **Impacts**

Negat ve impacts? No Negat ve impacts descript on Water supply contribut ons? No Water supply contribut on descript on -

#### Est mated Cost

Project Cost \$99,173,000

Recurring costs \$12,000

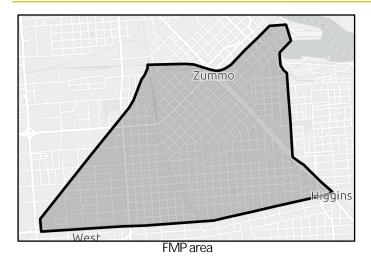
\*Nature-Based - BCR 1

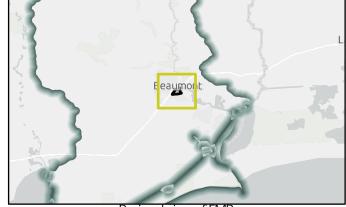
There is a high density of development near the project locat on.

Issues Transportation to project site could be hampered and work may be a supplied to the project site could be hampered and work may be a supplied to the project site could be hampered and work may be a supplied to the project site could be hampered and work may be a supplied to the project site could be hampered and work may be a supplied to the project site could be hampered and work may be a supplied to the project site could be hampered and work may be a supplied to the project site could be hampered and work may be a supplied to the project site could be hampered and work may be a supplied to the project site could be a supplied to the project site of the project site could be a supplied to the project site of the project site of

I here is a high density of development near the project location.

Issues Transportation to project site could be hampered and work may have to be done surveying land to prevent negatively impacting existing utilities.





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Tyrrell Park Detent on Title

ID# 053000021 Sponsor Jef erson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes Recommendation emergency need and

complies with RFPG Goals



## Project Descript on

The project consists of installing eight new detent on basins to increase capacity to exist ng storm sewer and provide storage during extreme rainfall events.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 10

Associated FME's 999999 County Jeferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine? Y	'es	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk 3	331		# of structures 2	283		Crit cal facilit es 0	
Farm/Ranch land in	npacted (acres	s) 77		Roadway(s) impacted	d (length)	6	
Number of low wat	er crossings	0		Historical road dosur	res 0		

## 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 331 # of structures removed from 100-yr 231 Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 1 0 Road removed from 100-yr (miles) 4 Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road dosures over 10 years

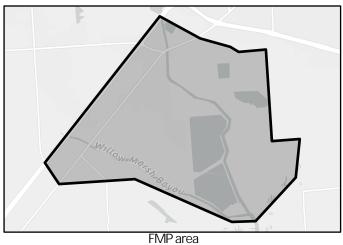
#### **Impacts**

Negat ve impacts? Negat ve impacts descript on Water supply contribut on descript on -Water supply contribut ons? No

### Est mated Cost

% Nature-Based -BCR O **Project Cost** \$187,974,220 Recurring costs \$12,000

The project area is located near a major highway that services traf c coming Issues both in and out of the city of Beaumont. Coordinat on with TxDoT to prevent conficts may be necessary.





Virginia Street Detent on Title

ID# 053000022 Sponsor Jef erson County Drainage District 6

Project in area of Reason for

RFPG recommend? Yes emergency need and Recommendat on complies with RFPG Goals



## Project Descript on

The project consists of storm sewer improvements and the construct on of new detent on ponds to provide increased capacity to the exist ng storm sewer system. Improvements primarily located at the southern edge of Beaumont near US-287 N.

Watershed HUC# (if known) 120402010200 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 1

Associated FME's 999999 County Jeferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine? \	Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk	1,138		# of structure	es 376		Crit cal facilit es 0	
Farm/Ranch land i	impacted (acre	es) 2		Roadway(s) impacted	d (length)	10	
Number of lowwe	ater crossinas	$\cap$		Historical road dogur	PS ()		

## 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 689 # of structures removed from 100-yr Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 0 0 Road removed from 100-yr (miles) 3 Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road dosures over 10 years

**Impacts** 

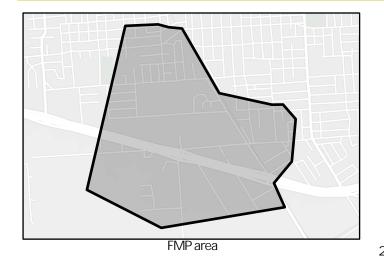
Negat ve impacts? Negat ve impacts descript on

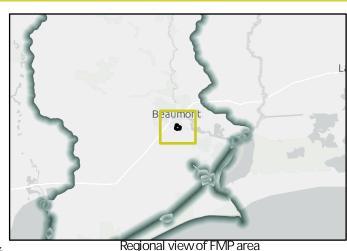
Water supply contribut on descript on -Water supply contribut ons? No

#### Est mated Cost

% Nature-Based -BCR 3 **Project Cost** \$9,751,456 N/A

Recurring costs \$9,000 Issues





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Title Delaware Hilcorp Detent on Diversion

ID# 053000023 Sponsor Jef erson County Drainage District 6

RFPG recommend? Yes

Reason for Project in area of emergency need and

complies with RFPG Goals



## Project Descript on

Construct two detent on ponds near Delaware Street that out all to DD6 Ditch 121 and Hillebrandt Bayou. Ponds to be accompanied by storm sewer improvements to aid in redirect ng f ow

Watershed HUC# (if known) 120402010200 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 2

Associated FME's 9999999 County Jefferson

Associated FMS's 9999999 Associated FMP's 9999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk	3,729		# of structure:	s 1,496		Crit cal facilit es 7	
Farm/Ranch land i	impacted (acre	es) 1		Roadway(s) impacte	d (length)	27	
Number of low wa	ater crossings	0		Historical road dosu	res O		

## 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 681 # of structures removed from 100-yr 229
Crit cal facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 0
Road removed from 100-yr (miles) 0
Low water crossings removed from 100-yr 0
Other benefits N/A
Reduction in # of road closures over 10 years -

**Impacts** 

Negat ve impacts?

No

Negat ve impacts descript on

Water supply contribut ons? No

Water supply contribut on descript on
-

#### Est mated Cost

Project Cost \$13,181,257

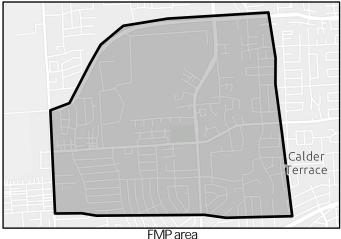
Recurring costs \$12,000

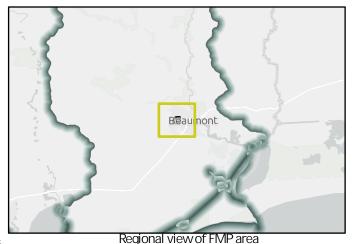
\*Nature-Based - BCR 4

There is a high density of development near the project locat on.

Issues Transportation to project site could be hampered and work may

Issues Transportat on to project site could be hampered and work may have to be done surveying land to prevent negat vely impact ng exist ng ut lit es.





Borley Heights Relief Project

ID# 053000024 Sponsor Jef erson County Drainage District 6

REPG recommend? Yes

Reason for Recommendat on Recommendat on complies with REPG Goals

f REC



## Project Descript on

Title

The project consists of constructing three new crossings under the LNVA Canal, a diversion ditch on the west side of the canal, concrete-lined receiving ditches along the canal, and improvements to the existing Ditch 1002-B.

Watershed HUC# (if known) 120200070205 Emergency Need? Yes

Drainage area (mi² est.) O

Associated FME's 9999999 County Jefferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk	296		# of structures	172		Crit cal facilit es 0	
Farm/Ranch land impacted (acres) 6				Roadway(s) impacted	l (length)	1	
Number of lowww	ater crossings	$\cap$		Historical road dosur	0.29		

## 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 277 # of structures removed from 100-yr 157

Crit cal facilities removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 4

Road removed from 100-yr (miles) 1 Low water crossings removed from 100-yr 0

Other benefits N/A Reduction in # of road closures over 10 years -

**Impacts** 

Negat ve impacts? No Negat ve impacts descript on 
Water supply contribut ons? No Water supply contribut on descript on -

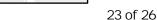
#### Est mated Cost

Project Cost \$4,577,210 

% Nature-Based - BCR 2

Project is located next to a concentrat on of resident all buildings. Coordinat on Recurring costs \$6,000 Issues is likely required with local residents for construct on operat ons.







East China Relief Project Title

ID# 053000025 Sponsor Jef erson County Drainage District 6

Reason for RFPG recommend? Yes emergency need and Recommendat on

Project in area of complies with RFPG Goals



## Project Descript on

The project consists of constructing newlinear detention upstream of the LNVA Canal, a concrete block-lined channel downstream of the canal crossing, and an adequate structure at Turner Road.

Watershed HUC# (if known) 120402010100 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 4

Associated FME's 999999 County Jeferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type:	Riverine?	Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk	352		# of structu	ires 374		Crit cal facilit es 0	
Farm/Ranch land i	impacted (ac	res) 374		Roadway(s) impac	ted (length)	7	
Number of low water crossings 0				Historical road dos	aires O		

## 100-Year Flood Risk Reduct on

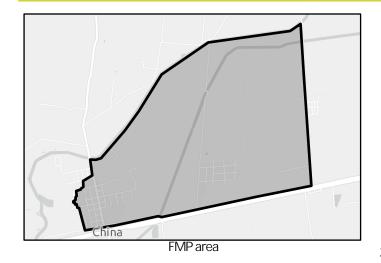
Populat on removed from 100-yr 21 # of structures removed from 100-yr 22 Crit cal facilites removed from 100-yr 0 Farm/Ranch land removed from 100-yr (acres) 17 Road removed from 100-yr (miles) 0 Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road dosures over 10 years

**Impacts** 

Negat ve impacts? Negat ve impacts descript on Water supply contribut on descript on -Water supply contribut ons? No

#### Est mated Cost

% Nature-Based -BCR 2 **Project Cost** \$2,853,160 N/A Recurring costs \$10,000 Issues





South Nome Relief Ditch Title

ID# 053000026 Sponsor Jef erson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes Recommendation emergency need and

complies with RFPG Goals



## Project Descript on

The project consists of constructing storm sewer improvements and a detention basin to prevent stormwater runof from backing up into Nome.

Watershed HUC# (if known) 120200070201,120402010100 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 6

Associated FME's 999999 County Jeferson, Liberty

Associated FMP's 999999 Associated FMS's 999999

## Exist ng 100-Year Flood Risk

Flood risk type: Ri	iverine? Yes	Coastal? Yes	Local? Yes		Playa? No	Other? No
Populat on at risk 146	D	# of structures 91			Crit cal facilit es o	
Farm/Ranch land impa	acted (acres) 1,183	R	oadway(s) impacted (	(length)	5	
Number of low water	crossings 0	Н	listorical road closures	50		

Issues

### 100-Year Flood Risk Reduct on

Populat on removed from 100-yr 96 # of structures removed from 100-yr 22 Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 9 Road removed from 100-yr (miles) Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road dosures over 10 years

**Impacts** 

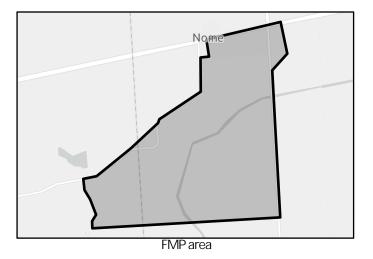
Negat ve impacts? Negat ve impacts descript on

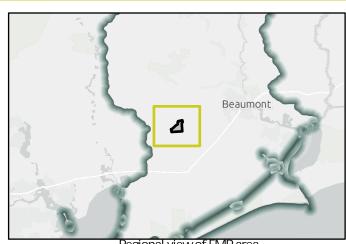
Water supply contribut on descript on -Water supply contribut ons? No

### Est mated Cost

% Nature-Based -BCR 1 **Project Cost** \$2,286,770 N/A

Recurring costs \$6,000





Ditch 505 Detent on Title

ID# 053000027 Sponsor Jef erson County Drainage District 6

Project in area of Reason for RFPG recommend? Yes

Recommendation emergency need and complies with RFPG Goals



## Project Descript on

The project consists of constructing a detention pondinear the intersection of IH-10 and Hwy 365 to the southwest of Beaumont.

Watershed HUC# (if known) 120402010100 Emergency Need? Yes

Drainage area (mi<sup>2</sup> est.) 3

Associated FME's 999999 County Jeferson

Associated FMS's 999999 Associated FMP's 999999

## Exist ng 100-Year Flood Risk

Flood risk type: Riverine? Yes	Coastal? Yes	Local? No	Playa? No	Other? No
Populat on at risk 272	# of structures 222		Crit cal facilites o	
Farm/Ranch land impacted (acres) 26	F	oadway(s) impacted (length)	6	
Number of low water crossings 0	H	listorical road closures 0		

### 100-Year Flood Risk Reduct on

Populat on removed from 100-yr # of structures removed from 100-yr Crit cal facilites removed from 100-yr Farm/Ranch land removed from 100-yr (acres) 0 Road removed from 100-yr (miles) O Low water crossings removed from 100-yr Other benef ts N/A Reduct on in # of road closures over 10 years 0

#### **Impacts**

Negat ve impacts? Negat ve impacts descript on Water supply contribut on descript on -Water supply contribut ons? No

#### Est mated Cost

% Nature-Based -BCR 1 **Project Cost** \$13,803,086

Project is located next to a concentrat on of exist ng development and is Recurring costs \$23,000 Issues adjacent to a major highway. Coordinat on will likely be required with mult ple agencies for construct on operations.



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