REGION 5 NECHES 2023 REGIONAL FLOOD PLAN

JULY 2023

PREPARED FOR THE REGION 5 NECHES FLOOD PLANNING GROUP



Title Hardin County South Area Drainage System

ID# 051000089 Sponsor Hardin (County)

Reason for Recommended by RFPG? Yes

Recommendation



Study Details

County Hardin Study type **Project Planning**

Complies with RFPG Goals

Study description H&H study to identify alternatives for developing a drainage system to drain / retain flood waters around the communities of Pinewood,

Countrywood, Bevil Oaks, and Rose Hill

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 886

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

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

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

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

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

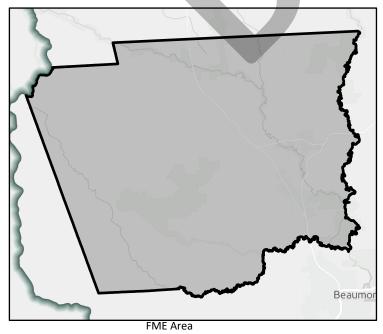
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 10,526 # of structures 3,676 # of critical facilities 25 Local Flooding? No Coastal? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) 743 Roadways impacted (miles) 136 # of historical road closures # of low water crossings 13 13

Estimated Cost and Funding Availability

Potential federal Potential Federal \$1,000,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Hardin County SE Area Drainage System

ID# 051000090 Sponsor Hardin (County)

Reason for Recommended by RFPG? Yes

Recommendation

Complies with RFPG Goals



Study Details

County Hardin Study type **Project Planning**

Study description H&H study to identify alternatives for developing a large drainage system to drain Lumberton directly into the Neches River, instead of

Pine Island Bayou.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 888

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

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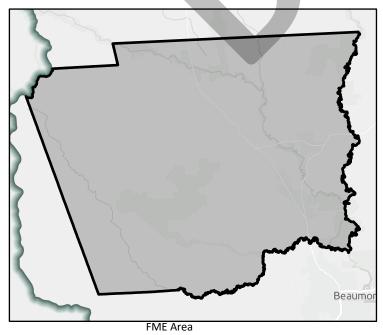
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 10,528 # of structures 3,678 # of critical facilities 25 Local Flooding? No Coastal? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) 743 Roadways impacted (miles) 136 # of historical road closures # of low water crossings 13 13

Estimated Cost and Funding Availability

Potential federal Potential Federal \$1,250,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Hardin County Pinewood Drainage Improvements

ID# 051000091 Sponsor Hardin (County)

Recommended by RFPG? Yes Recommendation

Complies with RFPG Goals Reason for



Study Details

Study type County Hardin **Project Planning**

Study description H&H Study to identify alternatives for improving existing drainage within Pinewood.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 43

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

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

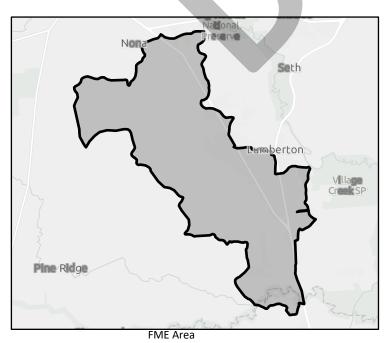
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

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

Estimated Cost and Funding Availability

Potential federal Potential Federal \$350,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Hardin County Coon Marsh Gully Drainage Improvements

ID# 051000092 Sponsor Hardin (County)

Reason for Recommended by RFPG? Yes

Recommendation

Complies with RFPG Goals



Study Details

Study type County Hardin **Project Planning**

Study description H&H Study to identify alternatives for improving existing drainage within Marsh Gully

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 2

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

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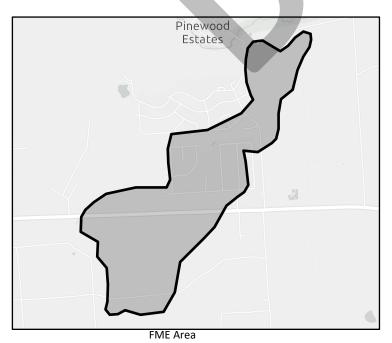
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 878		# of structure	es 285	f of critical facilities 1	
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? No	
Farm/Ranch land impacted (ac.)	10		Roadways impacted (miles)	6	
# of low water crossings	2		# of historical road closures	2	

Estimated Cost and Funding Availability

Potential federal Potential Federal \$300,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Hardin County Municipal Storm Drain Project

ID# 051000093 Sponsor Hardin (County)

Reason for Recommended by RFPG? Yes

Recommendation

REGION 5 NECHES

REGIONAL FLOOD PLANNING GROUP

Study Details

Study type County Jefferson, Hardin **Project Planning**

Complies with RFPG Goals

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 128

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

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Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

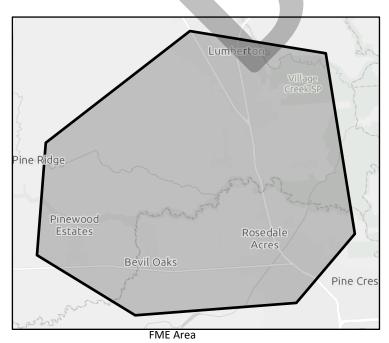
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 10,916		# of structure	es 3,487	# of critical facilities 8
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	395		Roadways impacted (miles)	75
# of low water crossings	5		# of historical road closures	5

Estimated Cost and Funding Availability

Potential federal Potential Federal \$2,000,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title City of Coffee City Flood-prone Roadway and Infrastructure Evaluation

ID# 051000094 Sponsor Coffee City (Municipality)

Complies with RFPG Goals Reason for Recommended by RFPG? Yes

Recommendation



Study Details

County Henderson Study type **Project Planning**

Study description Locate roadways and properties prone to flooding due to heavy rainfall

FME to create new H&H model? No

Emergency Need? No

Anticipated models in near term? No

Drainage area (sq. mi., est.) 7

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

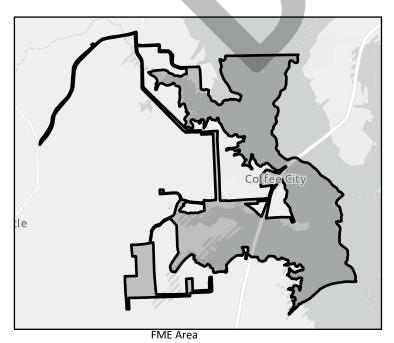
Population at risk 6 # of structures 4 # of critical facilities 0

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

Farm/Ranch land impacted (ac.) Roadways impacted (miles) 1 # of historical road closures # of low water crossings

Estimated Cost and Funding Availability

Potential federal Potential Federal \$25,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title City of Moore Station Flood-prone Roadway and Infrastructure Evaluation

ID# 051000095 Sponsor Moore Station (Municipality)

Reason for Complies with RFPG Goals

Recommended by RFPG? Yes Recommendation



Study Details

Study type Project Planning County Henderson

Study description Locate roadways and properties prone to flooding due to heavy rainfall

FME to create new H&H model? No

Emergency Need? No

Anticipated models in near term? No

Drainage area (sq. mi., est.) 1

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 5 # of structures 2 # of critical facilities 0

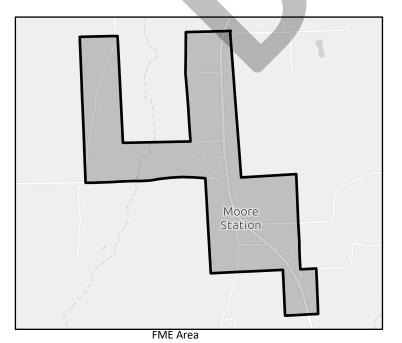
Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

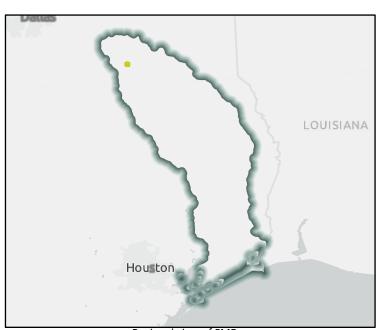
Farm/Ranch land impacted (ac.) 0 Roadways impacted (miles) 0

of low water crossings 0 # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost \$25,000 Potential federal funding availability? Yes Funding Sources





Regional view of FME area

Title Houston County Earthen Dike Construction

ID# 051000096 Sponsor Houston (County)

Reason for Recommended by RFPG? Yes

Recommendation

Complies with RFPG Goals



Study Details

Study type County Houston **Project Planning**

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of an earthen dike to elevate emergency vehicle

access road to critical facilities to provide protection to the 500-year flood level.

FME to create new H&H model? Yes

Emergency Need? No

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 418

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

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

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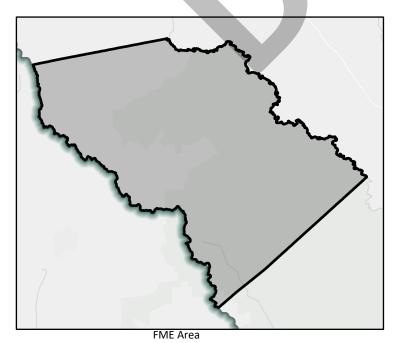
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 16		# of structures 17	# of critical facilities 0
Flood risk type: Riverine? Yes	Coastal?	No Local Flooding? Yes	Other? Yes
Farm/Ranch land impacted (ac.)	117	Roadways impacted (mile	s) 20
# of low water crossings	7	# of historical road closur	es 7

Estimated Cost and Funding Availability

Potential federal Potential Federal \$16,972 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Ditch 100 A (East Caldwood) Improvements

ID# 051000097 Sponsor Jefferson County Drainage District 6

Complies with RFPG Goals Reason for Recommended by RFPG? Yes

Recommendation



Study Details

County Jefferson Study type **Project Planning**

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of 2,200 ft of channel to be retrofitted with an

underground culvert to allow for shaping and resizing the ditch to allow for continued maintenance.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 146

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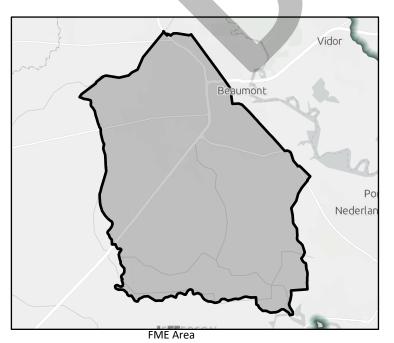
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 13,665 # of structures 2,893 # of critical facilities 22 Local Flooding? No Coastal? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) 4,386 Roadways impacted (miles) 70 # of historical road closures # of low water crossings 5 5

Estimated Cost and Funding Availability

Potential federal Potential Federal \$75,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Ditch 119 Crossings at Yount and Edson

ID# 051000098 Sponsor Jefferson County Drainage District 6

Reason for Complies with RFPG Goals

Recommended by RFPG? Yes Recommendation



Study Details

Study type Project Planning County Jefferson

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of crossing improvements that will protect

about 50 homes and mitigate flood risk on a historically flood prone road.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 146

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

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Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 13,665 # of structures 2,893 # of critical facilities 22

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

Farm/Ranch land impacted (ac.) 4,386 Roadways impacted (miles) 70

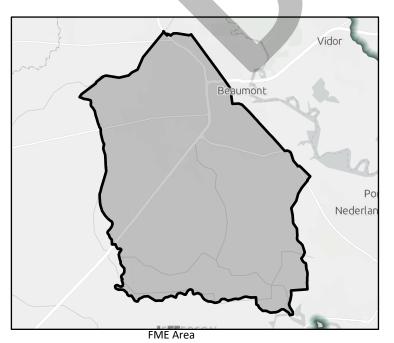
of low water crossings 5 # of historical road closures 5

Estimated Cost and Funding Availability

Total Sources

Total Sources

Potential federal Funding availability? Yes Funding Sources





Regional view of FME area

Title Lateral B4A and B4A Ext. Improvements

ID# 051000099 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

County Jefferson Study type **Project Planning**

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the

runoff capacity - upgrading/enlarging road crossings to reduce out of bank flooding.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 324

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

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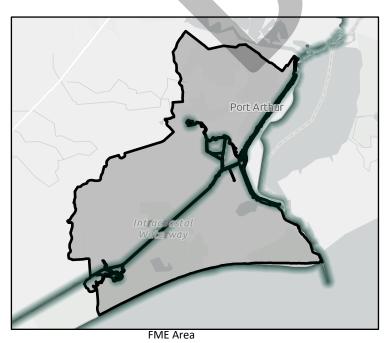
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 18,000 # of structures 5,013 # of critical facilities 83 Local Flooding? No Coastal? Yes Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) 9,044 Roadways impacted (miles) 160 # of historical road closures # of low water crossings 3 3

Estimated Cost and Funding Availability

Potential federal Potential Federal \$225,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Rodair Pump Station

ID# 051000100 Sponsor Jefferson County Drainage District 7

Reason for Complies with RFPG Goals

Recommended by RFPG? Yes Recommendation



Study Details

Study type Project Planning County Jefferson

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 324

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

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

100-Year Flood Risk Summary

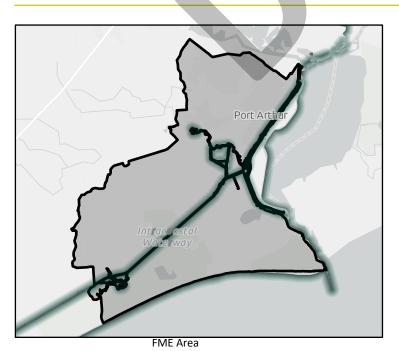
Population at risk 18,000 # of structures 5,013 # of critical facilities 83

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

Farm/Ranch land impacted (ac.) 9,044 Roadways impacted (miles) 160
of low water crossings 3 # of historical road closures 3

Estimated Cost and Funding Availability

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





Regional view of FME area

Title Upgrade to Lateral B4B

ID# 051000101 Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes Reason for Complies with RFPG Goals

Recommendation



Study Details

Study type Project Planning County Jefferson

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the

runoff capacity - upgrading/enlarging road crossings to reduce out of bank flooding.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 324

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

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100-Year Flood Risk Summary

Population at risk 18,000 # of structures 5,013 # of critical facilities 83

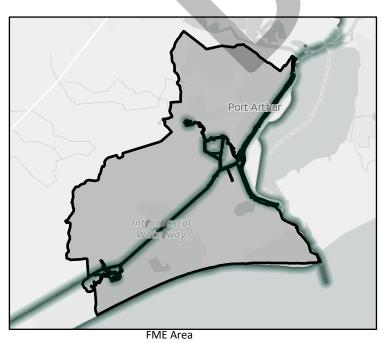
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 9,044 Roadways impacted (miles) 160

of low water crossings 3 # of historical road closures

Estimated Cost and Funding Availability

Total \$50,000 Potential federal Funding availability? Yes Funding Sources





3

Regional view of FME area

Title Beauxart Gardens Central Ditch Improvements

ID# 051000102 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for Recommended by RFPG? Yes

Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the

runoff capacity - upgrading/enlarging road crossings to reduce out of bank flooding.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 1

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

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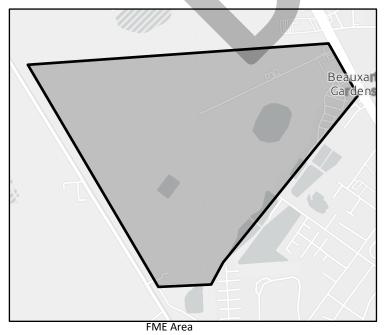
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 480		# of structure	es 226	# of critical facilities 0
Flood risk type: Riverine? Yes	Coasta	I? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	2
# of low water crossings			# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$50,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Houston Upgrade Pumping Equipment

ID# 051000103 Sponsor Jefferson County Drainage District 7

Reason for Complies with RFPG Goals

Recommended by RFPG? Yes Recommendation



Study Details

Study type Project Planning County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 0

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

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

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

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

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

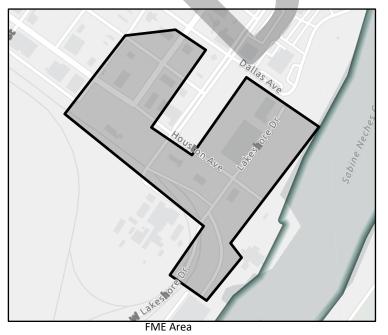
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

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

Estimated Cost and Funding Availability

Total Cost Potential federal Yes Funding Sources Potential Federal <Null>





Regional view of FME area

Title Grannis Upgrade Pumping Equipment

ID# 051000104 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for Recommended by RFPG? Yes

Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 0

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

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

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

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

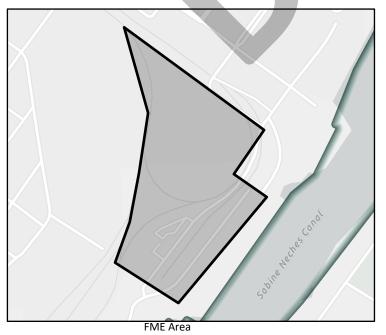
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 95		# of structure	es 1	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? No
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	0
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal < Null> \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Foley Upgrade Pumping Equipment

ID# 051000105 Sponsor Jefferson County Drainage District 7

Reason for Complies with RFPG Goals

Recommended by RFPG? Yes Recommendation



Study Details

Study type Project Planning County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 1

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

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

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

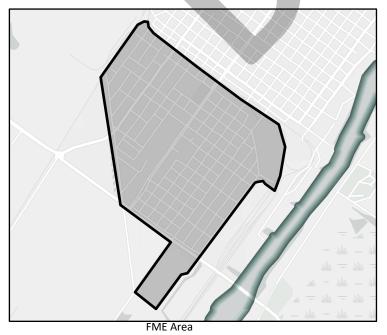
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

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

Estimated Cost and Funding Availability

Total Signature Potential federal Potential Federal Null> Funding Sources Funding Sources





Regional view of FME area

Title Lakeside Upgrade Pumping Equipment

ID# 051000106 Sponsor Jefferson County Drainage District 7

Reason for Complies with RFPG Goals

Recommended by RFPG? Yes Recommendation



Study Details

Study type Project Planning County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 5

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

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

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

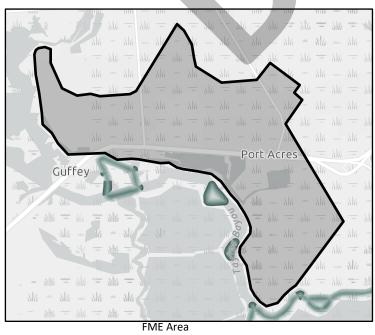
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

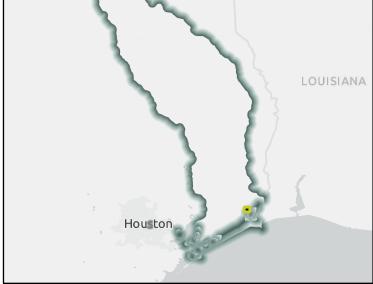
100-Year Flood Risk Summary

Population at risk 397		# of structure	es 207	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? No
Farm/Ranch land impacted (ac.)	3		Roadways impacted (miles)	3
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

Total Signature Potential federal Potential Federal Null> Funding Sources Funding Sources





Regional view of FME area

Title Rodair Upgrade Pumping Equipment

ID# 051000107 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

County Jefferson Study type **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 12

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

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

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

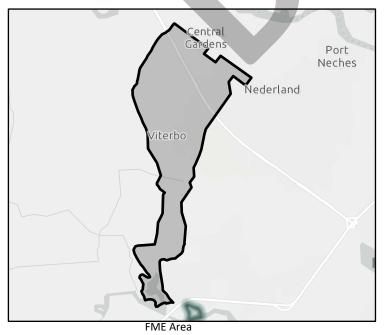
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 1,418 # of structures 511 # of critical facilities 0 Coastal? Yes Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) 64 Roadways impacted (miles) 10 # of historical road closures # of low water crossings 0 0

Estimated Cost and Funding Availability

Potential federal Potential Federal < Null> \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title 9th Avenue - Upgrade Pumping Equipment

ID# 051000108 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 6

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

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

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

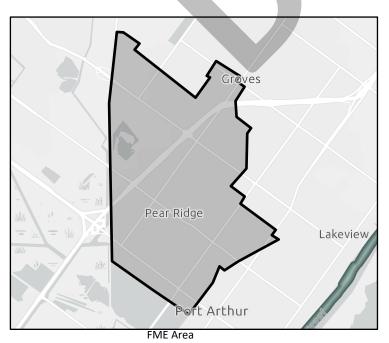
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 528	# of structures	36 #	of critical facilities 0
Flood risk type: Riverine? Yes	Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)		Roadways impacted (miles)	2
# of low water crossings		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal < Null> \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Halbouty Add two pumps (open spots in structure)

ID# 051000109 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

County Jefferson Study type **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 12

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

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Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

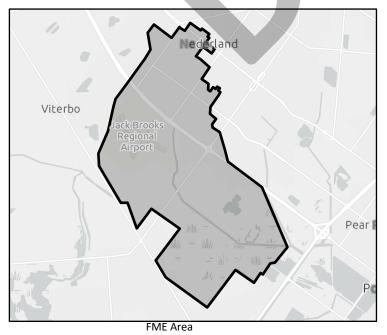
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

of structures 251 # of critical facilities 33 Population at risk 1,628 Local Flooding? No Coastal? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) 164 Roadways impacted (miles) 7 # of historical road closures # of low water crossings 0

Estimated Cost and Funding Availability

Potential federal Potential Federal < Null> \$100,000 funding availability? **Funding Sources** Cost



0



Regional view of FME area

Title Rodair Upper Build new station with associated levee

ID# 051000110 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 12

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

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

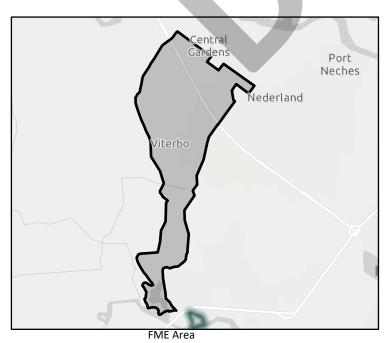
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 1,418		# of structure	es 511	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? Yes	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	64		Roadways impacted (miles)	10
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal < Null> \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Main C Diversion - Build New Pump Station and Channel

ID# 051000111 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

County Jefferson Study type **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 13

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

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

Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

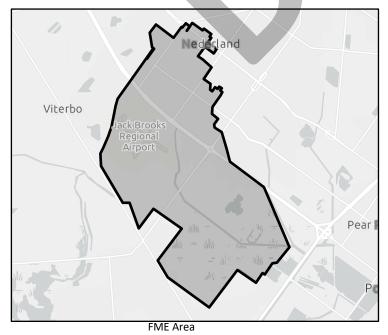
100-Year Flood Risk Summary

Population at risk 1,628 # of structures 251 # of critical facilities 33 Local Flooding? No Coastal? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) 164 Roadways impacted (miles)

of historical road closures # of low water crossings 0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Central Gardens Ditch - Upgrade Drainage Channel

ID# 051000113 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for Recommended by RFPG? Yes

Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to identify alternatives for Central Gardens Ditch

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 1

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

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

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

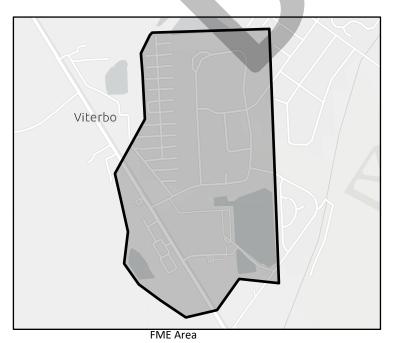
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 151		# of structure	es 80	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	1
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Pure Oil Ditch Improvements

ID# 051000114 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to identify alternatives for Pure Oil Ditch

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 2

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

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

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

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

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

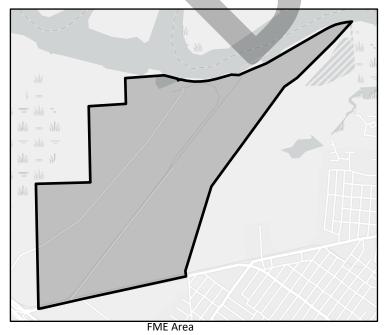
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 33		# of structure	es 6 #	of critical facilities 6
Flood risk type: Riverine? Yes		Coastal? Yes	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	3		Roadways impacted (miles)	0
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Rodair Gulley Ditch Improvements

ID# 051000115 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to identify alternatives for Rodair Gulley

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 12

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

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

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

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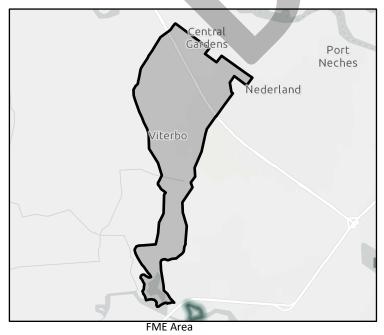
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 1,418	# of structu	ures 511 #	of critical facilities 0
Flood risk type: Riverine? Yes	Coastal? Yes	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	4	Roadways impacted (miles)	10
# of low water crossings		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Main C Diversion Channel Improvements

ID# 051000116 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

County Jefferson Study type **Project Planning**

Study description H&H study to identify alternatives for Main C Diversion Channel

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 13

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

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

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

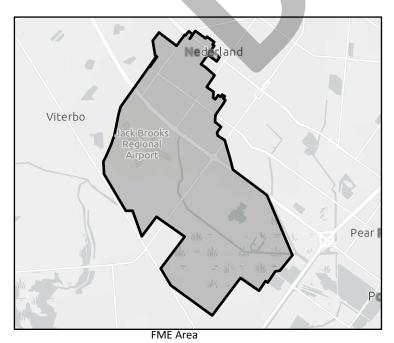
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 1,628 # of structures 251 # of critical facilities 33 Local Flooding? No Coastal? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 164 # of historical road closures # of low water crossings 0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Main B Channel Improvements

ID# 051000117 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to identify alternatives for Main B Channel

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 6

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

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

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

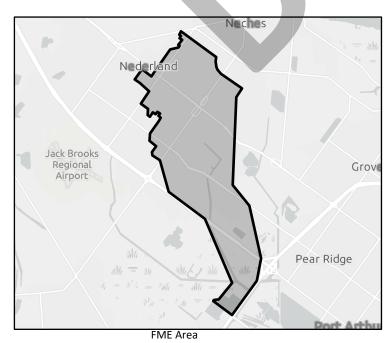
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 5,960		# of structure	es 876 #	of critical facilities 17
Flood risk type: Riverine? Yes	Coa	astal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	8		Roadways impacted (miles)	19
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Main A Channel Improvements

ID# 051000118 Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes Reason for Complies with RFPG Goals

Recommendation



Study Details

Study type Project Planning County Jefferson

Study description H&H study to identify alternatives for Main A Channel

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 6

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

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

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

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

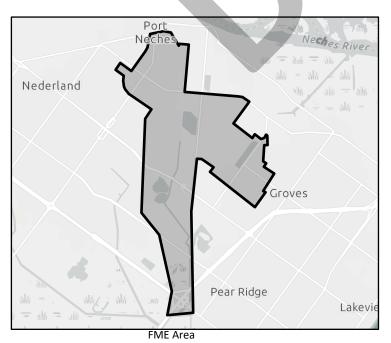
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 1,173		# of structure	es 147	# of critical facilities 2
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	4		Roadways impacted (miles)	3
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

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





Regional view of FME area

Title Rodair Lateral 5 Detention Pond Excavation

ID# 051000119 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to identify additional detention required to expand existing level of service

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 2

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

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

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

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

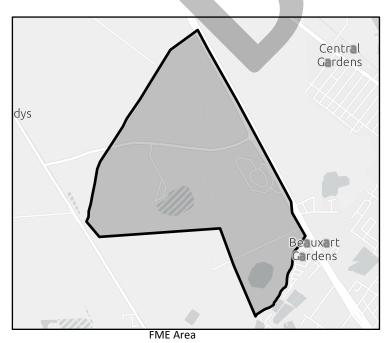
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 138		# of structure	es 29	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	6		Roadways impacted (miles)	1
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Halbouty Detention Pond Excavation

ID# 051000120 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

County Jefferson Study type **Project Planning**

Study description H&H study to identify additional detention required to expand existing level of service

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 12

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

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

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

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

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

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

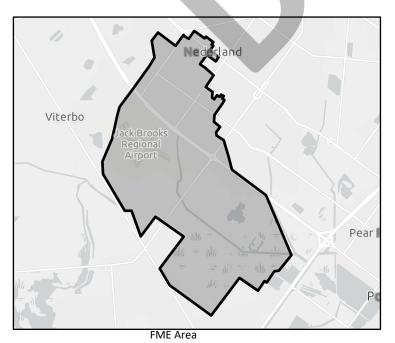
100-Year Flood Risk Summary

Population at risk 1,628 # of structures 251 # of critical facilities 33 Local Flooding? No Coastal? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) Roadways impacted (miles) 164

of historical road closures # of low water crossings 0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title 9th Avenue Additional Detention Excavation

ID# 051000121 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to identify additional detention required to improve existing level of service

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 6

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

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

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

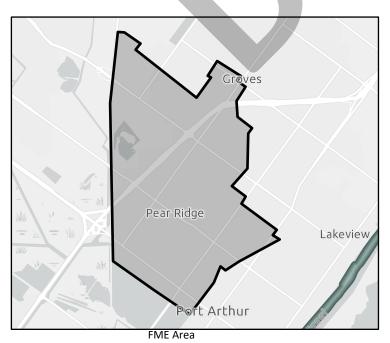
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 528		# of structure	s 36	# of critical facilities 0
Flood risk type: Riverine? Yes	Coastal	? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)			Roadways impacted (miles)	2
# of low water crossings			# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title JCDD7 Hurricane Flood Protection Levee Study

ID# 051000123 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description Study to identify possible upgrades to levees to help reduce the risk of flooding and to help the District review and update levees in

jurisdictional area.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 112

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

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

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

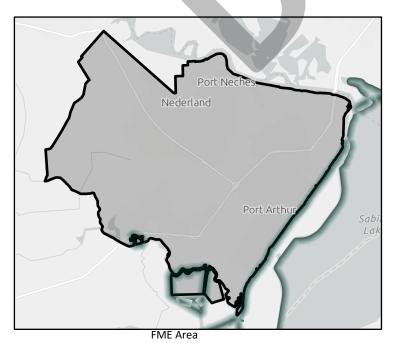
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

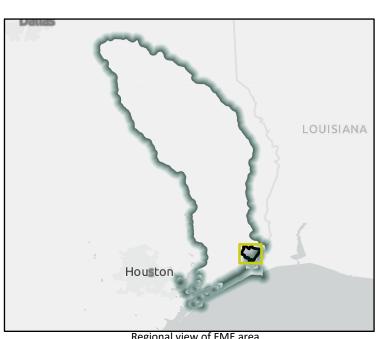
100-Year Flood Risk Summary

Population at risk 17,575		# of structure	es 4,705	# of critical facilities 82
Flood risk type: Riverine? Yes		Coastal? Yes	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	876		Roadways impacted (miles)	95
# of low water crossings	3		# of historical road closures	3

Estimated Cost and Funding Availability

Potential federal Potential Federal \$777,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Crane Bayou Channel Improvements

ID# 051000124 Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes Reason for Complies with RFPG Goals

Recommendation



Study Details

Study type Project Planning County Jefferson

Study description H&H study to identify alternatives for Crane Bayou Channel

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 7

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

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

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

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

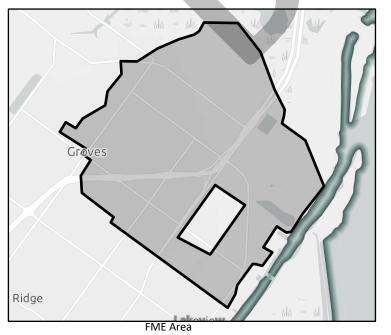
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 918		# of structure	es 359	# of critical facilities 3
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	5
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

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





Regional view of FME area

Title Rodair Upper Additional Pump Station

ID# 051000125 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

County Jefferson Study type **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 12

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

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

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

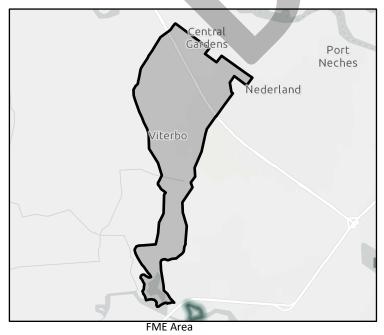
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 1,418 # of structures 511 # of critical facilities 0 Coastal? Yes Local Flooding? No Flood risk type: Riverine? Yes Other? Yes Farm/Ranch land impacted (ac.) 64 Roadways impacted (miles) 10 # of historical road closures # of low water crossings 0 0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Rodair Gully System Detention

ID# 051000128 Sponsor Jefferson County Drainage District 7

Reason for Complies with RFPG Goals

Recommended by RFPG? Yes Recommendation



Study Details

Study type Project Planning County Jefferson

Study description H&H study to identify additional detention required to expand existing level of service

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? Yes

Drainage area (sq. mi., est.) 12

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

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

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

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

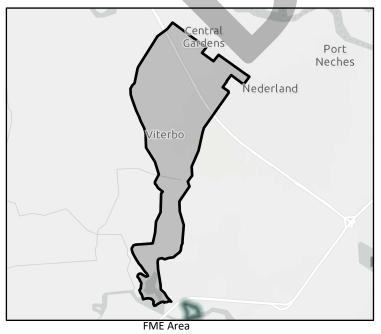
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 1,418		# of structure	es 511	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? Yes	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	64		Roadways impacted (miles)	10
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

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





Regional view of FME area

Title El Vista Upgrade Pumping Equipment

ID# 051000129 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for Recommended by RFPG? Yes

Recommendation



Study Details

County Jefferson Study type **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 2

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

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

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

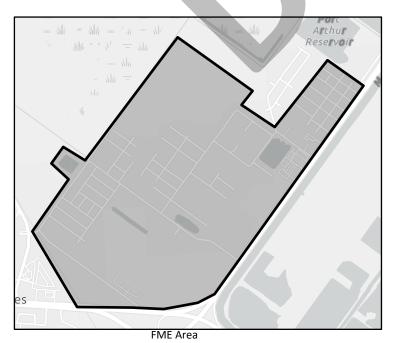
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 1,216 # of structures 507 # of critical facilities 0 Coastal? No Local Flooding? No Flood risk type: Riverine? Yes Other? No Farm/Ranch land impacted (ac.) Roadways impacted (miles) 10 # of historical road closures # of low water crossings 0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title W. Port Arthur Road Upgrade Pumping Equipment

ID# 051000130 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 1

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

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

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

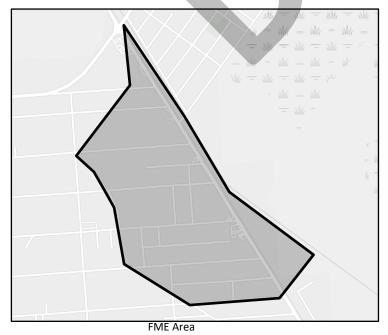
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 4		# of structure	es 3	# of critical facilities 0
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? No
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	0
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Central - Upgrade Pumping Equipment and Structure

ID# 051000131 Sponsor Jefferson County Drainage District 7

Reason for Complies with RFPG Goals

Recommended by RFPG? Yes Recommendation



Study Details

Study type Project Planning County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 3

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

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

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

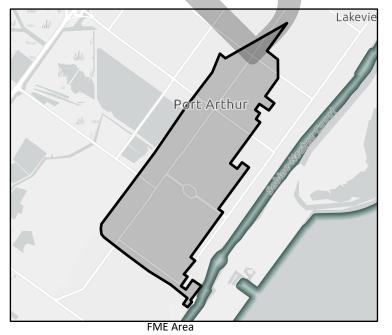
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

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

Estimated Cost and Funding Availability

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





Regional view of FME area

Title Star Lake Upgrade Pumping Equipment

ID# 051000132 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for Recommended by RFPG? Yes

Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 1

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

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

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

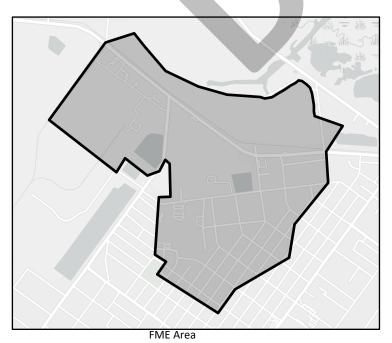
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

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

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Crane Bayou Additional Pumping

ID# 051000133 Sponsor Jefferson County Drainage District 7

Complies with RFPG Goals Reason for

Recommended by RFPG? Yes Recommendation



Study Details

Study type County Jefferson **Project Planning**

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 7

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

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

Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

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

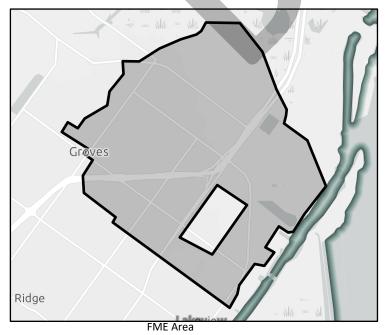
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 918		# of structure	es 359	# of critical facilities 3
Flood risk type: Riverine? Yes		Coastal? No	Local Flooding? No	Other? Yes
Farm/Ranch land impacted (ac.)	0		Roadways impacted (miles)	5
# of low water crossings	0		# of historical road closures	0

Estimated Cost and Funding Availability

Potential federal Potential Federal \$100,000 funding availability? **Funding Sources** Cost





Regional view of FME area

Title Lakeview Additional Pumping

ID# 051000134 Sponsor Jefferson County Drainage District 7

Reason for Complies with RFPG Goals

Recommended by RFPG? Yes Recommendation



Study Details

Study type Project Planning County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes

Emergency Need? Yes

Anticipated models in near term? No

Drainage area (sq. mi., est.) 2

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

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

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

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

100-Year Flood Risk Summary

Population at risk 479 # of structures 216 # of critical facilities 0

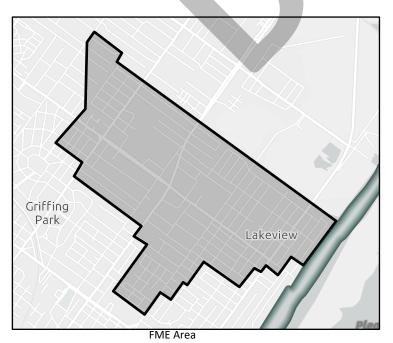
Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 0 Roadways impacted (miles) 2

of low water crossings 0 # of historical road closures 0

Estimated Cost and Funding Availability

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





Regional view of FME area