

Community Development Block Grant - Mitigation Application



Texas General Land Office
Community Development and Revitalization

Texas General Land Office, P.O. Box 12873, Austin, Texas 78711-2873
1-844-893-8937 or 512-475-5000, cdr@glo.texas.gov

BEAUMONT RESERVOIR

PROJECT TITLE

LOWER NECHES RIVER AUTHORITY

APPLICANT NAME

**JEFFERSON
COUNTY**

**SETRPC
COG/Regional Planning Commission**

Application for funding through:

HURRICANE HARVEY STATEWIDE COMPETITION

**LOWER NECHES VALLEY AUTHORITY
CDBG-MIT APPLICATION
BEAUMONT RESERVOIR**

Project Description:

LNVA serves municipal, agricultural and industrial customers in Jefferson County through their Neches and BI Canal Systems fed by intake pump stations. The proposed project proposes to construct two storage reservoirs capable of supplying a minimum of 10 days of storage that could be utilized to serve their customers in case of flood inundation or loss of power at their pump stations. The reservoir project will increase resilience to disasters and reduce the risk loss of life and property that could result if water delivery was cut off to cities during a natural disaster. This project will ensure a dependable water supply is available during disaster events for the Cities of Port Arthur, Groves, Nederland, Port Neches, West Jefferson County MUD and Beaumont and other agricultural and industrial customers throughout Jefferson County.

LNVA proposes to construct a new off-canal reservoir near the intersection of the Neches and Beaumont Canal Systems. The reservoir would be approximately 1,100 acres and fill by gravity off the canal system. If pumping capacity is disrupted, the canal would serve as emergency storage. Water could be released to the BI 2nd Lift Pump Station to fill the canal in case sufficient water could not flow by gravity.

In addition, LNVA has purchased an existing reservoir adjacent to their Port Arthur Canal. LNVA proposes to make grading improvements to the impoundment and connect the canal system to the reservoir for emergency storage.

The project will provide a benefit to all residents of Jefferson County.

Total Project Costs	\$75,904,515.00
CDBG-MIT Request	\$75,145,469.00
Local Matching Funds	\$ 759,046.00
Construction	\$55,830,015.00
Engineering	\$ 8,374,500.00
Administration	\$ 4,500,000.00
Acquisition	\$ 7,200,000.00



Cost Verification Controls must be in place to assure that construction costs are reasonable and consistent with market costs at the time and place of construction.

Applicant/Subrecipient:	Lower Neches Valley Authority					
Site/Activity Title:	Beaumont Reservoir					
Eligible:						
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization	\$ 485,000.00	LS	1	\$ 485,000.00	\$ -	\$ 485,000.00
Care and Control of Water	\$ 5,284,000.00	LS	1	\$ 5,284,000.00	\$ -	\$ 5,284,000.00
Property Acquisition	\$ -		0	\$ -	\$ 7,200,000.00	\$ 7,200,000.00
SWPPP	\$ 238,000.00	LS	1	\$ 238,000.00	\$ -	\$ 238,000.00
Site Restoration	\$ 132,000.00	LS	1	\$ 132,000.00	\$ -	\$ 132,000.00
Channel Fill (Off-Site Material)	\$ 33.00	CY	11170	\$ 368,610.00	\$ -	\$ 368,610.00
Excavation & Offsite Disposal (Outflow Channel)	\$ 13.00	CY	7000	\$ 91,000.00	\$ -	\$ 91,000.00
Reinforced Concrete Discharge Structures	\$ 800,000.00	EA	9	\$ 7,200,000.00	\$ -	\$ 7,200,000.00
Excavation & Offsite Disposal (Reservoir)	\$ 13.00	CY	616700	\$ 8,017,100.00	\$ -	\$ 8,017,100.00
Embankment Fill (On-Site Material)	\$ 10.00	CY	1871000	\$ 18,710,000.00	\$ -	\$ 18,710,000.00
Limestone Riprap	\$ 75.00	TON	65330	\$ 4,899,750.00		\$ 4,899,750.00
Embankment Fill (Off-Site Material)	\$ 33.00	CY	16415	\$ 541,695.00	\$ -	\$ 541,695.00
Reinforced Concrete Control Structures.	\$ 800,000.00	EA	6	\$ 4,800,000.00	\$ -	\$ 4,800,000.00
Emergency Spillway	\$ 594,450.00	LS	1	\$ 594,450.00	\$ -	\$ 594,450.00
TOTAL	\$ 8,333,627.00			\$ 51,361,605.00	\$ 7,200,000.00	\$ 58,561,605.00

1. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.

2. Identify and explain any special engineering activities.

<p>Seal</p>					
	<table border="1" style="width: 100%;"> <tr> <td style="width: 60%;">Date:</td> <td>10/2/2020</td> </tr> <tr> <td>Phone Number:</td> <td></td> </tr> </table>	Date:	10/2/2020	Phone Number:	
	Date:	10/2/2020			
Phone Number:					
<p>Signature of Registered Engineer/Architect Responsible For Budget Justification:</p>					



Cost Verification Controls must be in place to assure that construction costs are reasonable and consistent with market costs at the time and place of construction.

Applicant/Subrecipient: Lower Neches Valley Authority

Site/Activity Title: Beaumont Reservoir

Eligible:

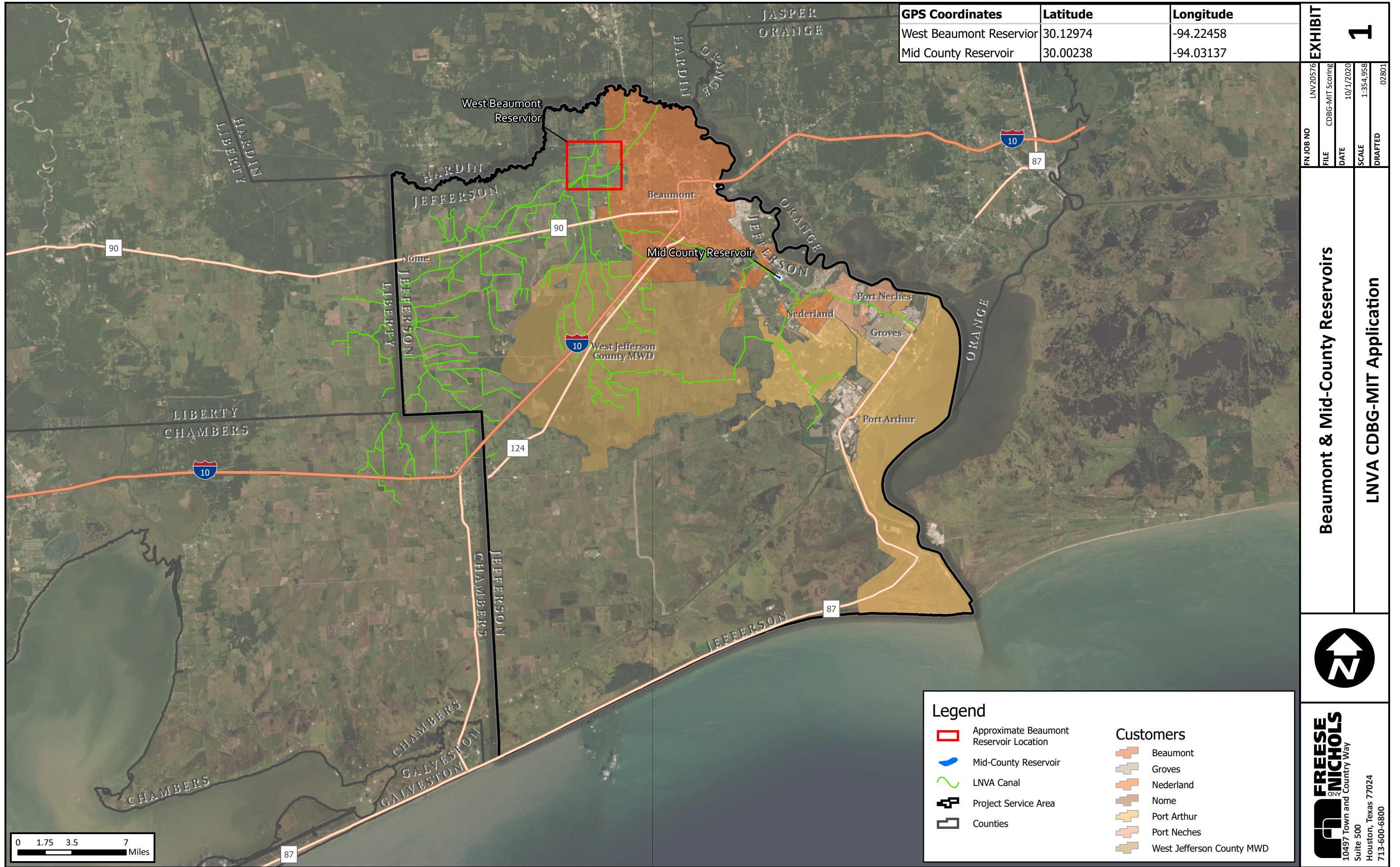
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
Mobilization	\$ 203,800.00	LS	1	\$ 203,800.00	\$ -	\$ 203,800.00
Care and Control of Water	\$ 305,700.00	LS	1	\$ 305,700.00	\$ -	\$ 305,700.00
SWPPP	\$ 79,250.00	LS	1	\$ 79,250.00	\$ -	\$ 79,250.00
Site Restoration	\$ 148,000.00	LS	1	\$ 148,000.00	\$ -	\$ 148,000.00
Reinforced Concrete Intake Structure	\$ 1,136,060.00	EA	1	\$ 1,136,060.00	\$ -	\$ 1,136,060.00
Embankment Fill (On-Site Material)	\$ 10.00	CY	176260	\$ 1,762,600.00	\$ -	\$ 1,762,600.00
Limestone Riprap	\$ 75.00	TON	4440	\$ 333,000.00	\$ -	\$ 333,000.00
Pump Station	\$ 500,000.00	LS	1	\$ 500,000.00	\$ -	\$ 500,000.00
TOTAL	\$ 2,372,895.00			\$ 4,468,410.00	\$ -	\$ 4,468,410.00

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2. Identify and explain any special engineering activities.

Seal

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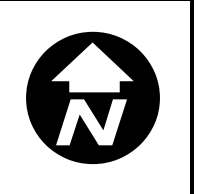


GPS Coordinates	Latitude	Longitude
West Beaumont Reservoir	30.12974	-94.22458
Mid County Reservoir	30.00238	-94.03137

EXHIBIT		1
FN JOB NO	LNVA20576	
FILE	CDBG-MIT Scoring	
DATE	10/1/2020	
SCALE	1:354,958	
DRAFTED	02801	

Beaumont & Mid-County Reservoirs

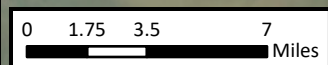
LNVA CDBG-MIT Application



FREESSE & NICHOLS
 10497 Town and Country Way
 Suite 500
 Houston, Texas 77024
 713-600-6800

Legend

	Approximate Beaumont Reservoir Location		Beaumont
	Mid-County Reservoir		Groves
	LNVA Canal		Nederland
	Project Service Area		Nome
	Counties		Port Arthur
			Port Neches
			West Jefferson County MWD



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