

**City of Houston Resilience Projects**

Chief Resilience Officer  
July 2018 Update

**PROJECTS SELECTED FOR FEMA HAZARD MITIGATION GRANT PROGRAM - SECTION 404 - FUNDING**

Project/Program	District	Watershed	Description	Status	Total Cost Estimate	Local Share (25%)
Inwood Golf Course	A,C, & B	White Oak	COH purchased 227-acre golf course for \$9.3M and spent \$2.5M building first two detention basins. HCFCF will invest \$34 million to design and develop remaining basins. <b>Basins in total will provide 1300 acre-feet of storage.</b>	Application submitted 6-22-2018.	\$ 48,600,000.00	\$ 12,150,000.00
North Canal	C,H, & I	Buffalo, White Oak	Construction of a high-flow diversion channel between White Oak and Buffalo Bayou, near their confluence in downtown Houston. Project will provide flood damage reduction benefits along White Oak and downtown. Includes utility relocations and bridge improvements (Heights and Yale). Partners include TxDOT and HCFCF.	Application to be submitted to TDEM on 8-1-2018.	\$ 163,076,996.00	\$ 40,769,249.00
Lake Houston Dam	E	San Jacinto	Need 10- gate structure to supplement existing gates	Application submitted to TDEM on 7-27-2018.	\$ 48,500,000.00	\$ 12,125,000.00
Individual Home Mitigation	All	All	Buyouts, elevations, and demo/rebuilds	Applications for buyouts submitted 6-22-2018. Other residential mitigation applications will be submitted throughout July-August.	\$ 185,000,000.00	\$ 46,250,000.00
TIRZ 17 Detention	G	Buffalo	Underground detention basin and storm system improvements for the TIRZ 17 - Memorial City area. This project replaces the NOI for Buffalo Bayou Subregional Detention project previously submitted as the project did not result in a favorable BC ratio.	NOI submitted 7-9-2018. NOI approved 7-17-2018. Pursuing application, pending data from LAN/TIRZ.	\$ 46,000,000.00	\$ 11,500,000.00
Turkey Gully (E106)	C,H, & I	White Oak	Diversion of urban drainage from Turkey Gully to White Oak Bayou including mitigating detention	NOI submitted 4-11-2018. NOI approved 4-26-2018. Project will be considered for bot HMGP and CDBGDR funds. Application for HMGP will be prepared and submitted if BCA indicates a viable project. Application to be submitted 8-7-2018.	\$ 30,000,000.00	\$ 7,500,000.00
Sunnyside Detention/Bellfort Landfill	D	Sims	Flood detention on the east side of the former Sunnyside incinerator/landfill site	NOI submitted 4-02-2018. NOI approved 4-12-2018. Project will be considered for bot HMGP and CDBGDR funds. Application for HMGP will be prepared and submitted if BCA indicates a viable project.	\$ 5,000,000	\$ 1,250,000.00
Country Creek/Westwood Detention	J	Brays	TIRZ purchased land for a basin that will also incorporate detention features in the Westwood golf course	NOI submitted 4-02-2018. NOI approved 4-12-2018. Project will be considered for bot HMGP and CDBGDR funds. Application for HMGP will be prepared and submitted if BCA indicates a viable project.	\$ 10,000,000	\$ 2,500,000.00

**\$ 670,221,245 \$ 167,555,311**

**PROJECTS SELECTED FOR HUD CDBG-DR FUNDING**

Project/Program	District	Watershed	Description	Status	Total Cost Estimate	Local Share (TBD)
West Fork Dredging	E	San Jacinto	Removal of sand/silt from U.S 59 to Lake Houston	NOI submitted 4-19-2018. NOI approved 5-22-2018. Currently preparing application for HMGP. Received verbal confirmation that project is not eligible for HMGP funding on 7-30-2018. Assessment will continue in order to pursue funding through other sources.	\$ 40,000,000.00	
Fifth Ward Urban Drainage	B	Hunting, Buffalo	Neighborhood revitalization including reconstruction of streets and utilities	Project will be considered for CDBGDR funds.	\$ 20,000,000	
Keegans Bayou Channel Improvement	C,F, J, & K	Brays	Improvement options aimed at removing hundreds of structures from 100-year floodplain	Project will be considered for CDBGDR funds.	\$ 50,000,000	
Ruffino Landfill Detention	C,F, J, & K	Brays	Reclaim 175-acre landfill site and prepare for use as flood detention for Keegans and Brays watershed. Will provide 2,400 acre-feet of flood mitigation storage	Project will be considered for CDBGDR funds.	\$ 198,000,000	
Reconstruction Projects (Pine Gully and Plum Creek)	I	Sims	Replace collapsed outfalls, regrade, and desilt ditches, minor erosion repairs and reconstruction of low flow channel	NOI was not approved for HMGP application submission. Project will be considered for CDBGDR funds.	\$ 20,000,000	

**\$ 288,000,000**

\*Bold cost estimates are for total project costs estimated and included in the final application. Unbolded cost estimates indicate initial projected costs included in the NOI.

<b>Total Project Funding Required</b>	<b>\$ 958,221,245</b>
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