



CITY OF HOUSTON - CITY COUNCIL

Meeting Date:

District A, District B, District C, District D, District F, District G, District H, District I, District J, District K, ETJ

Item Creation Date:

HPW - 20FMS134 FY24 FMA Grant Applications Home Elevations

Agenda Item#:

Background:

RECOMMENDATION:

Approve an ordinance for authorization to submit four (4) applications to the Texas Water Development Board (TWDB) for funding from the Federal Emergency Management Agency (FEMA) Flood Mitigation Assistance (FMA) grant program for 99 home elevations; declaring the City's eligibility; authorizing the Director or designee of Houston Public Works to act as a signatory on the grant application with the authority to apply.

SPECIFIC EXPLANATION:

The FEMA Flood Mitigation Assistance (FMA) grant program provides funding for mitigation projects and studies to reduce or eliminate claims under the National Flood Insurance Program (NFIP). Since the FY2015 FMA, the City of Houston has applied for and received FMA grants to elevate 320 homes that have experienced repetitive flood loss or are at risk of repetitive flood loss (not all homes elect to move forward). Eligible costs include engineering, design, permitting, construction, and project management. Participation in the program is voluntary. Houston Public Works (HPW) annually solicits interest from repetitive loss homeowners through mail outs and public meetings. Interested homeowners can apply to participate and find additional information at <https://houstonrecovers.org/riskreduction>.

HPW prepared four (4) applications to the FY2024 FMA program for the elevation of 99 homes two feet above the 500-year or 2% flood event. Properties are grouped into separate applications depending on whether they qualify under FMA criteria using pre-calculated benefits (PCB) or a benefit-cost analysis (BCA). One application is a re-submittal of the FY2023 PCB application for 38 homes, another PCB application is for 9 homes. The other two applications - one for 31 homes, one for 21 homes - are separated by the type of BCA. FEMA also allows for the use of different methodologies to yield a positive benefit-cost ratio, but differing BCA methodologies cannot be combined into one application.

The total projected cost of 99 home elevations including cost to administer the grant is \$33,509,247.20. The total federal cost share requested is \$29,977,860.07. The homeowner share depends on the NFIP loss history of each property at the time of application: Severe repetitive loss is 100% covered by the grant, repetitive loss 90%, and non-repetitive loss 75%. The cost to administer the grant, including application development, is budgeted to be 5% of the total projected elevation cost or \$1,675,462.36. The City is responsible for \$169,935.79 of that amount.


	Number of Homes	Fed Request	Estimated Homeowner Match	Estimated City Match	Total
FY2023 PCB Resubmit	38	\$10,513,918.13	\$990,321.96	\$49,516.10	\$11,553,756.19
FY24 Modeled Damages	31	\$10,897,807.11	\$1,941,654.33	\$98,575.52	\$12,938,036.96
FY23 BCA Resubmit	21	\$6,357,006.53	\$123,556.98	\$6,177.85	\$6,486,741.36
FY24 PCB	9	\$2,209,128.30	\$305,918.07	\$15,666.32	\$2,530,712.69
Total	99	\$29,977,860.07	\$3,361,451.34	\$169,935.79	\$33,509,247.20

If awarded, HPW will request Council authorization to accept the grant agreement and appropriation of the local share.

FISCAL NOTE:

No fiscal note is required on grant items.

DocuSigned by:

 8/26/2025
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Randall V. Macchi, JD
 Director, Houston Public Works

Amount and Source of Funding:

\$29,977,860.07 - Fed/State/Local Pass Through Fund 5030

\$169,935.79 - Water and Sewer System Operating Fund 8300 (**Future Appropriation**)

Contact Information:

Name	Service Line	Contact Line
Roberto Medina, Assistant Director	DO-HPW Council Liaison Office	832.395.2456
Maria Perez, HPW Agenda Coordinator	DO-HPW Council Liaison Office	832.395.2282
David Wurdlow, Sr. Assistant Director	HPW – Financial Management Services	832.395.2054

ATTACHMENTS:

Description

City Finance Approval of RCA
Scope of Work for Resub BCA
Scope of Work for Modeled Damages
Scope of Work for PCB

Type

Backup Material
Backup Material
Backup Material
Backup Material