

Grantee: Houston, TX

Grant: B-16-MH-48-0001

April 1, 2017 thru June 30, 2017 Performance Report



Grant Number:

B-16-MH-48-0001

Obligation Date:**Award Date:****Grantee Name:**

Houston, TX

Contract End Date:**Review by HUD:**

Submitted - Await for Review

Grant Award Amount:

\$66,560,000.00

Grant Status:

Active

QPR Contact:

Angela Simon

LOCCS Authorized Amount:

\$66,560,000.00

Estimated PI/RL Funds:

\$0.00

Total Budget:

\$66,560,000.00

Disasters:**Declaration Number**

No Disasters Found

Narratives**Disaster Damage:**

In 2015, the City of Houston, Texas (the City) experienced two major flooding events. As a result of these catastrophic flooding events, 9 lives were lost (7 in May event, 2 in October), over 6,000 homes flooded (single family, multifamily, etc.) and critical public infrastructure suffered substantial damage or total destruction. Each event greatly impacted the Houston area, and many properties actually experienced damages from both events. Hereafter in this Action Plan, these two floods will be referred to collectively as the "2015 Disasters." The first flood occurred during the month of May 2015 and continued into early June 2015 bringing record rainfall upon the city (the Memorial Day Flood). Heavy downfalls, totaling more than 14 inches, with 12 inches of rain falling on areas of the city in only ten hours and reaching record levels, led to the devastation from the Memorial Day Flood. Floodwaters inundated the city, bringing Houston to a standstill. The record-breaking rainfall closed portions of I-10 and I-45. Approximately 800 cars were stranded on the highways surrounding Houston and more than 80,000 Houstonians were without power at one point during these storms. On May 29, 2015, the Memorial Day Flood received a disaster declaration through FEMA identified as FEMA 4223 (DR-4223). A second catastrophic flooding event occurred over a three-day period from October 30, 2015 to November 1, 2015 (the Halloween Flood). For the second time in less than 6 months, a strong complex of storms moved through the Houston area leading to torrential rainfall, as much as 12 inches in some locations of Houston, leaving 202 streets flooded and 47,000 homes reporting power outages at some time during the storms. On November 25, 2015, the October flooding event received a disaster declaration through FEMA identified as FEMA 4245 (DR-4245). The 2015 disasters impacted approximately 36,000 people in Harris and Fort Bend Counties alone. Impact on Low- and Moderate-Income Populations A household is defined as low- and moderate-income (LMI) when the combined income of the household is at or below 80 percent of the Area Median Family Income (AMFI) for the county. Some LMI areas in Houston experienced significant flooding associated with the Memorial and Halloween flooding events. Impact on Special Needs Populations Special needs populations and those with functional needs may require special attention and help in receiving assistance and disaster resources. These special needs populations may consist of children, the elderly, pregnant women, those from diverse cultures, individuals lacking transportation means, individuals with chronic disorders or pharmacological dependencies, those with disabilities, individuals living in institutions, unable to speak English, and the homeless. Regardless of the functional need, it is vital that all efforts possible are made to ensure these individuals have the ability to access any available disaster recovery resources. According to HCDD program managers, no existing HUD-assisted housing received documented damages from the 2015 Disasters, although the construction of some new HUD-assisted units may have been delayed several days due to the extensive rainfall. Additionally, in regards to the population served through the City of Houston's Housing Opportunities for Persons with HIV/AIDS (HOPWA) Program, program managers confirmed that at this time no HOPWA sites were specifically impacted by the May

Disaster Damage:

October flood events. Housing Types Impacted Data of the Memorial Day flooding from the Houston Office of Emergency Management's Disaster Summary Outline shows that while a large number of multifamily units were affected (3,526 units), a much smaller portion received minor (14 units) or major damage (224 units). On the contrary, large numbers of single family homes experienced minor (827 units) or major damage (930 units), while 2 were destroyed entirely. This information concludes that the

Recovery Needs:**Summary of Impact and Unmet Need**

The needs assessment represents Houston's preliminary calculation of financial impact to the city and its residents, caused by the 2015 Disasters. The assessment explores in detail the components of the \$66,560,000 HUD estimate. In accordance with



HUD requirements in determining unmet need, recovery resources already received will be accounted for and subtracted from the estimate of impact.

The City's examination of impact and unmet need is organized into three major categories: housing, infrastructure, and economic recovery. In order to calculate these sums, the City compiled and analyzed data provided by state, federal, and local stakeholders. Data includes reports from FEMA, SBA, local public agencies and reports from civic organizations. These figures will be updated as new data become available. The total impact to the city is approximately \$549,912,899.58. Of this amount, approximately \$491,154,880.92 in resources allocated to assist recovery have been identified, yielding an unmet need of \$58,758,018.66.

The housing category yielded the largest amount of financial impact, with the most recovery resources allocated, and the largest amount of remaining unmet need with more than \$38 million in impact remaining to be addressed. This was followed by impact to the infrastructure sector at approximately \$19.9 million remaining in unmet need and lastly, impact to the economic sector at \$4,022,000.00 with \$0.00 remaining in unmet need.

Housing

CDBG-DR funds are often used to rehabilitate damaged homes and multifamily units. However, grantees may also fund new construction or rehabilitate units not directly impacted by the disaster if the activity clearly addresses a disaster-related issue. This impact can be demonstrated by the disaster's overall effect on the quality, quantity, and affordability of the housing stock and the resulting inability of that stock to meet post-disaster needs and population demands.

Based on the analysis of the city's unmet needs and the limited amount of recovery funds available, the City will target CDBG-DR15 funding towards a single family housing program, voluntary acquisition program, and infrastructure improvements in support of disaster-impacted housing. To provide lasting relief to the greatest number of residents, Houston will focus primarily on infrastructure improvements certain to eliminate or lessen the number of homes that will be impacted by future floods. Many of the same homes that flooded in 2015, flooded in subsequent events in 2016, highlighting the need for a more permanent solution based on the root cause of the flooding, while also providing assistance to impacted Houstonians to repair or elevate their homes. Thus, this recovery strategy aims to provide a comprehensive approach ensuring long-term recovery.

Infrastructure

Funds typically available to assist with infrastructure recovery include FEMA, private insurance, and state and local assistance.

Of the total \$21,201,826.41 impact, an estimated \$1,239,771.80 in resources have been made available for Houston's infrastructure needs resulting in an estimated unmet need of \$19,962,054.61. The \$19,962,054.61 in impact was calculated based on FEMA Public Assistance Project application information. Data from the Texas

Recovery Needs:

Department of Transportation (TxDOT) regarding state roads, impact to ditches and streams, utilities, railroads, schools, and neighborhood infrastructure will be factored in as it is made available.

The City's application for FEMA Public Assistance included damage categories of Debris Removal, Protective Measures, Public Buildings, Public Utilities, and Recreational or Other. The City's survey of the damage inflicted on infrastructure and the restoration thereof is ongoing and involves the coordination of multiple City agencies. In conjunction with FEMA's Public Assistance Grant Program, the City is identifying and assessing damaged sites to develop cost estimates that quantify the scope of work and financial commitment required for the necessary infrastructure projects. The current data reveals that infrastructure systems affected by the 2015 Disasters included damage to roadways, bridges, wastewater treatment systems, drinking water treatment and collection systems. The immediate recovery efforts were documented by the initial estimates submitted for consideration for Public Assistance, through GIS mapping by city departments, such as the HCDD and the Houston Office of Emergency Management.

Open Space & Elevation

The city's overall elevation and drainage orientation towards the Gulf of Mexico, further complicates the impact of neighborhood-level improvements, and amplifies the complexity and scale of Houston's long-term needs, within the context of its geography. Thus, the City has placed an increased focus on the importance of permeable and undeveloped space, open-ditch drainage, or park and open space, in relationship to flood impacts. As indicated by mapping flooding reports with open ditches, much of the flooding has taken place in areas with existing open ditch drainage and in areas outside of the existing floodplain, indicating that existing drainage and permeability was insufficient to prevent flooding. Improvements to existing, insufficient open ditch drainage is vital to further resiliency and the City will be prioritizing consideration of such projects. Capitalizing on this opportunity to better its communities, the City plans to use this opportunity to invest in green infrastructure projects which will provide an economic uplift to communities by improving water quality, reducing the number of costly floods, and neighborhood beautification. Examples of such projects are further discussed in the CDBG-DR15 Infrastructure Program details below, but could include bioswales, and green streets while ensuring that downstream flooding does not occur.

Specifically, the City will look to fund projects through the CDBG-DR15 Program which will provide support to the communities and neighborhoods including those with the most severe unmet needs – low-income historically minority neighborhoods with inadequate open ditch drainage infrastructure. Through its needs assessment and public comment period, the City focused on these areas mindful that these communities are more likely to be located in disaster-vulnerable areas, and to suffer disproportionately severe housing and infrastructure damage because of a disaster. Accordingly, the City will prioritize assistance through its CDBG-DR15 Program to its low-income and historically disinvested minority communities.

Economy

In regards to the specific Economic Unmet Need, a claim

Recovery Needs:

using the estimated impact and estimated assistance was used to arrive at a remaining unmet economic need of \$0.00, which illustrates the resiliency of the Houston economy.

Connection between Identified Needs and Use of CDBG-DR15 Funding

The City is ever-mindful that the need for safe, decent, and affordable housing is always a top priority. Approximately 6,621 homes in Houston alone were impacted by the 2015 Disasters. Of these homes, 1,596 were extensively damaged and 2 were damaged beyond repair. Recent data provided for the development of this Action Plan concluded that 391 single family homes were deemed to have suffered substantial damage from the 2015 Disasters. The City provided substantial damage letters to these residents notifying them of their responsibility to perform any repairs in full compliance with the City's flood plain ordinance. Many recipients of these letters are without the resources necessary to perform these repairs as required. This



additional consideration was evaluated in the further development of the comprehensive CDBG-DR15 Program design ultimately resulting in the inclusion of a Single Family Housing Program alongside the Infrastructure Program to assist with such on-going needs as further detailed herein.

It is evident that the 2015 Disasters impacted the City's quality, quantity, and affordability of the housing stock and its ability to meet post-disaster needs and population demands. Houston's ability to provide safe, decent, and affordable housing requires adequate flood mitigation infrastructure. Continuous impacts are felt by Houston's housing sector as a result of these weaknesses. The City identified that many of the impacts to the housing sector were due to repeat flooding and were rooted in infrastructure inadequacies. The same communities, consisting of both renter and homeowner occupied units, are routinely affected by Houston's flooding; thus, a more permanent solution is deserved to best assist these communities benefitting renters and homeowners. Accordingly, a long-term solution for these communities has been prioritized by the City. Adequate housing infrastructure includes water and sewer services, streets and roads, fire protection, and emergency services. Therefore, a long-term recovery solution for impacted housing residents is impossible without first creating additional capacity within the City's flood mitigation with a focus on detention, which the City will address by using the majority of CDBG-DR15 funding for Public Facilities/Infrastructure and Housing Buyout activities. As identified in the unmet needs assessment, the greatest number of damaged housing was owner occupied homes (excluding units that were only cosmetically damaged). Therefore, the City has not elected to provide direct assistance to single family or multifamily renters. However, renters may benefit from the Public Facilities/Infrastructure and Housing Buyout activities intended to prevent future flooding in neighborhoods where these activities take place. Similarly, a strong infrastructure system promotes economic growth. Inadequate supply of infrastructure or unreliability in services deters critical investment of capital in these communities. Thus, the ability of the city to retain current businesses, as well as develop new businesses, is dependent upon a strong infrastructure system supporting these businesses.

Recovery Needs:

Based upon its review of additional data received from the initial publication of the draft Action Plan and its consideration of public comments submitted, the City will fund a housing program to address identified unmet needs within the housing sector. The City has recognized the need to prioritize its most vulnerable citizens, and will do so through the allocation of \$12 million to a Single Family Housing Program, funded under the CDBG-DR15 Program. These funds seek to further decent, safe, and sanitary housing in flood-impacted areas by providing assistance through multiple housing activities, such as the rehabilitation, reconstruction, and assistance with property elevation of impacted housing units, as well as assistance for homeowners that have completed rehabilitation work in relation to the 2015 Disasters with personal resources. This interdependent relationship between housing, infrastructure, and economic development and revitalization, is the foundation of the City's allocation of its CDBG-DR15 Program. Houston is directing its CDBG-DR15 allocation toward projects that support the comprehensive strategy of the City to recover from the 2015 Disasters. The City plans to leverage additional Tax Increment Reinvestment Zones (TIRZ) funding to maximize the CDBG-DR15 funds.

Based on the interdependent relationship between housing and a strong infrastructure system, the City is allocating more than \$29 million of its CDBG-DR15 funds for infrastructure activities to repair, replace, or relocate infrastructure including, but not limited to bridges, water treatment facilities, roads, ditches, drainage systems, and sewer and water lines.

Overall	This Report Period	To Date
Total Projected Budget from All Sources	N/A	\$3,524,492.79
Total Budget	\$0.00	\$3,524,492.79
Total Obligated	\$0.00	\$5,328,000.00
Total Funds Drawdown	\$32,806.47	\$139,500.37
Program Funds Drawdown	\$32,806.47	\$139,500.37
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$37,555.19	\$153,364.15
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00



Progress Toward Required Numeric Targets

Requirement	Required	To Date
Overall Benefit Percentage (Projected)		0.00%
Overall Benefit Percentage (Actual)		0.00%
Minimum Non-Federal Match	\$0.00	\$0.00
Limit on Public Services	\$9,984,000.00	\$0.00
Limit on Admin/Planning	\$13,312,000.00	\$139,500.37
Limit on State Admin	\$0.00	\$41,007.58
Most Impacted and Distressed Threshold (Projected)	\$0.00	\$0.00

Progress Toward Activity Type Targets

Progress Toward National Objective Targets

National Objective	Target	Actual
Low/Mod	\$46,592,000.00	\$0.00

Overall Progress Narrative:

Housing Buyout

During Q2-2017, HCDD has worked to finalize a partnership with the existing Harris County Flood Control (HCFC) District Voluntary Housing Buyout Program. HCDD has identified 3 of the program's target areas that overlap with City of Houston areas impacted by the 2015 flooding events. HCDD will fund housing buyout in these areas. A memorandum of understanding between HCFC and HCDD has been finalized, operational considerations have taken place, and appropriate processes have been developed. This activity went before the City Council's Housing and Community Affairs Committee during Q1. City Council approval is anticipated in early-September, 2017. The housing buyout activity is expected to begin in late-Q3-2017.

Housing (Single Family Home Repair)

During Q2-2017, HCDD completed program design and draft guidelines development for this new home repair program which will target single family homes impacted by the 2015 flooding events. Implementation efforts are currently underway. Program information has been presented to the City's Housing and Community Affairs Committee and City Council approval is anticipated in mid Q2. Environmental Review (1st Flood Plain Notice) is in progress, outreach design has been initiated, and eligibility/income determination training for staff is underway. Home repair activity is anticipated to begin in early Q3-2017.

Infrastructure

HCDD has completed project selection for two Public Works and Engineering Department (PWE) Storm Water Action Team (SWAT) projects which will help mitigate flooding and reduce localized drainage problems in low-income areas impacted by the 2015 flooding events. Specific project activity will include upgrading infrastructure, where such repairs and upgrades will protect the surrounding neighborhood, but not increase downstream flooding. Environmental released ESA's Phase 1, environmental public notice published on July 14. LOA is in route for approval and it is anticipated that it will be executed by late-August 2017 and planning efforts for



project design will follow.
A third infrastructure project is currently under consideration.

Project Summary

Project #, Project Title	This Report Period	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
20-PLN, Planning	\$0.00	\$2,000,000.00	\$98,492.79
21A-ADM, Administration	\$32,806.47	\$3,328,000.00	\$41,007.58



Activities

Project # / Title: 20-PLN / Planning

Grantee Activity Number: PLA-16P01

Activity Title: Planning

Activity Category:

Planning

Project Number:

20-PLN

Projected Start Date:

09/01/2016

Benefit Type:

Area ()

National Objective:

N/A

Activity Status:

Under Way

Project Title:

Planning

Projected End Date:

12/01/2021

Completed Activity Actual End Date:

Responsible Organization:

City of Houston Housing and Community Development

Overall

Total Projected Budget from All Sources

Apr 1 thru Jun 30, 2017

N/A

To Date

\$196,492.79

Total Budget

\$0.00

\$196,492.79

Total Obligated

\$0.00

\$2,000,000.00

Total Funds Drawdown

\$0.00

\$98,492.79

Program Funds Drawdown

\$0.00

\$98,492.79

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$98,492.79

 City of Houston Housing and Community Development

\$0.00

\$98,492.79

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

Planning activities include all costs of data gathering, analysis, and preparation of plans and the identification of actions that will implement such plans.

Location Description:

601 Sawyer, Houston, TX 77007

Activity Progress Narrative:

There were no additional Planning expenses during the Q2-2017 reporting period.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Plans or Planning Products	0	0/1
# of community engagement	0	0/2

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Project # / Title: 21A-ADM / Administration

Grantee Activity Number: ADM-16A31

Activity Title: Administration

Activity Category:

Administration

Project Number:

21A-ADM

Projected Start Date:

12/01/2016

Benefit Type:

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National Objective:

N/A

Activity Status:

Under Way

Project Title:

Administration

Projected End Date:

12/01/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Houston Housing and Community Development

Overall

Apr 1 thru Jun 30, 2017

To Date



Total Projected Budget from All Sources	N/A	\$3,328,000.00
Total Budget	\$0.00	\$3,328,000.00
Total Obligated	\$0.00	\$3,328,000.00
Total Funds Drawdown	\$32,806.47	\$41,007.58
Program Funds Drawdown	\$32,806.47	\$41,007.58
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$37,555.19	\$54,871.36
City of Houston Housing and Community Development	\$37,555.19	\$54,871.36
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Program administration costs will include the general management, oversight, and coordination, as well as other administrative costs such as public information.

Location Description:

601 Sawyer, Houston, TX 77007

Activity Progress Narrative:

Administrative costs include staff time for DR15 implementation workgroup meetings, program design and development, and specific activity implementation planning.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



