

Grantee: Shelby County, TN

Grant: B-13-US-47-0002

October 1, 2018 thru December 31, 2018 Performance



Grant Number:

B-13-US-47-0002

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

Shelby County, TN

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

Reviewed and Approved

Grant Award Amount:

\$60,445,163.00

Grant Status:

Active

QPR Contact:

Alfred Garrett

LOCCS Authorized Amount:

\$60,445,163.00

Estimated PI/RL Funds:

\$0.00

Total Budget:

\$60,445,163.00

Disasters:

Declaration Number

No Disasters Found

Narratives

Executive Summary:

Utilizing URN identified in Phase 1 of the NDR Competition and additional refined data compiled during Phase 2 of the NDR Competition, Shelby County will expend a total of \$60,445,163.00 in CDBG-NDR funds in Phase 3 of the NDR application to implement and develop long-term resilience strategies to fortify the county against future floods by "MAKING ROOM FOR THE RIVER" within Shelby County and the Region. Copies of the NDR application documents can be found at www.resilientshelby.com Also, as described in the NDR Phase 2 application, both Memphis and Shelby County are committed to carrying out Fair Housing activities. Shelby County's Department of Housing, a partner team member in the NDR application, is the County agency operating HUD Community Planning and Development (CPD) entitlement grants and oversees housing programs which directly impact LMI residents which include infrastructure development, housing rehabilitation/construction, down payment assistance, lead-based paint hazard reduction, CDBG Disaster Recovery activities, and fair housing counseling. Likewise, the City of Memphis, a partner in the NDR application operates similar activities through its Division of Housing and Community Development. Both agencies are currently working to promote Fair Housing and Fair Housing Initiatives under their Fair Housing Assessments. Additionally, as part of the GREENPRINT, the Memphis Shelby County Office of Sustainability completed a Fair Housing Equity Assessment (FHEA) in partnership SCDH, HCD, community and business leaders and other housing partners and addressed fair housing impediments under the Greenprint and recommended various solutions to improve fair housing education and compliance. Under the NDR grant, Shelby County will continue to promote and further Fair Housing utilizing the Shelby County Department of Housing, Memphis HCD, and the Greenprint's FHEA to further assess Fair Housing impediments and incorporate Fair Housing initiatives into the NDR Resiliency Plan and the NDR projects in North (Big Creek), Central (Wolf River Greenway), and South (Cypress Creek) Shelby County. Currently, efforts are underway by Memphis and Shelby County to develop a new AFH Plan under new Fair Housing guidelines by 2018 to more effectively carryout Fair Housing initiatives on a joint/countywide basis in order to more efficiently address fair housing issue. The NDR administrative staff will work directly with SCDH, HCD, the Office of Sustainability to insure that Fair Housing is a key component of the NDR Resiliency Plan, long term resiliency efforts, and the long range Greenprint 2040 (which was the base platform for the NDR application in Phase 1 and Phase 2). The NDR team understands that long term resiliency, social, economic, and environmental issues are a part of any long term Fair Housing Initiatives. Through the activities of the NDR grant; and both Memphis and Shelby County's HUD funded grants (CDBG, HOME, Lead Hazard Control, etc.) Shelby County will insure that fair housing is a central part of long term resilience efforts resulting from NDR efforts and projects. NDR activities will focus on three geographical areas (one in each of the local watersheds) and the development of a Regional Resilience Plan to create a framework for resilience to provide detailed guidance for future rallow Shelby County to focuscreating ar

Executive Summary:

esilient community both locally and regionally. All four of the NDR funded actions utilize 4 guiding values to guide each activity. Specifically, these values are: (1) People (Health & Well Being) - protect lives, improve quality of life and promote social cohesion, accomplished through creation of wetlands and other flood storage to protect communities and create green assets; (2) Organization (Economy & Society) - reduce community burden of vacancy and vulnerable housing by removing resid

MID-URN Areas:

After a complete evaluation of Unmet Recovery Needs (URNs) in Phase 1, Shelby County developed a set of four (4) activities designed to protect Shelby County's communities from natural hazards while increasing environmental, economic and social opportunity for all residents of the region, especially vulnerable communities. In Phase 2, the County identified three target areas that were hardest hit by the 2011 disasters: along Big Creek (Northern Shelby County), the Wolf River (Central Shelby County),



and South Cypress Creek (Southern Shelby County). Activities within these areas will create additional greenway trails and enhanced recreation areas as well as areas for local food production. A fourth activity will create a Regional Resilience Plan (which includes a hydraulic study of the three main tributaries in the county) over a three-year period to provide a means to tie these and other similar efforts to the GREENPRINT, which was developed with the support of a HUD Sustainable Communities Regional Planning Grant. Each of these activities will lead to replicable interventions that will be transferrable to other areas throughout the region. Furthermore, the goal of each activity was to ensure that the designs are not only cost effective; but provide the highest resilience value (i.e. social, economic, environmental, etc.) and ensure that the proposed resilience solutions within the activities are both scalable and replicable throughout the region. Activity 1: Big Creek Wetland and Recreation Area. Located in North Shelby County within the City of Millington, this area is home to a high percentage of LMI households as well as the Naval Support Activity Mid-South, a key military asset and employer for the area. This activity spans an area within the City of Millington running along Big Creek between the Naval Support Activity (NSA) on the East, along Paul Barret Parkway and Big Creek, and culminating at Hwy 51 North on the West. The overall service area is composed of the following Census Tracts: 0201.02 Block Group 1 0201.02 Block Group 20202.10 Block Group 1 0202.10 Block Group 2 0202.10 Block Group 30202.10 Block Group 4 0202.21 Block Group 1 0202.21 Block Group 20202.22 Block Group 1 0203.00 Block Group 1 0203.00 Block Group 20203.00 Block Group 3 0204.00 Block Group 1 The 2011 storms caused at least \$5 million in damages and displaced community members within the City of Millington. Using a flood control practice common to the Corps of Engineers, the primary activity will create a new floodplain by lowering an area along the creek to allow flood waters to flow into the floodplain while lowering water surface elevations. Lower water surface elevations will prevent future flooding in adjacent communities. If the floodplain had been constructed prior to the 2011 storms, the majority of flooding in the Millington area would not have occurred preventing more than \$4.5 million in losses. If this activity had been complete prior to the May 2010 floods, \$79 million of property damages would have been prevented. This activity will also create sustainable natural wildlife areas, with native vegetation, wetlands, and other natural features. Other amenities will include development of walking trails, small-scale agriculture, ball fields, lakes, and camping areas to provide increased recreational and entrepreneurial opportunities. While creating the new floodplain will require the removal of trees to improve water conveyance

MID-URN Areas:

ce, a tree canopy plan will be implemented to offset tree removal by four-to-one. Shelby County, the City of Millington, and other jurisdictions will work together to set aside approximately 500 acres for tree mitigation. Some of these areas will be utilized to provide an educational experience for school children from LMI areas. Tree mitigation areas will also provide a cooling effect by expanding the tree canopy to counter the increasing heat-island effect. Construction of this activity will increase

Key Agencies, Partners, Positions, Personnel:

the South Cypress Creek community to create a stronger and healthier neighborhood.

10. A resource to Shelby County since Phase 1, and a partner in the development of Phase 2, the University of Memphis Center for Applied Earth Science and Engineering Research (CAESER) will continue its role in assisting Shelby County in its resilience efforts through the Hydraulic study portion of the Resilience Plan. CAESER will continue to provide assistance to Shelby County through its applied research, education, and leadership in sustaining community ground water resources, analysis and creation of GIS databases, and tools designed to anticipate and provide solutions to reduce the effect of risk when a flooding occurs.

11. Chickasaw Basin Authority (CBA), also a partner in Phase 3, was created as a State of Tennessee Agency as the Regional Development Authority for the Chickasaw Basin in Tennessee. The CBA develops flood control projects in the Loosahatchie and Wolf Rivers and Nonconnah Creek watersheds. The CBA is authorized by the State of Tennessee by TCA 64-1-201. Its role under Phase 3 will be to assist Shelby County and other partners in securing support and approval for wetland restoration activities under the Big Creek Wetland and Restoration Activity; an area within Shelby County where the CBA has been very active in developing flood control methodology and projects.

12. The University of Tennessee Agricultural Extension, a partner in Phase 3; provides a gateway to the University of Tennessee as the outreach unit of the Institute of Agriculture. UT Extension delivers educational programs and research-based information to citizens throughout the state. Additionally, in cooperation with Tennessee State University, UT Extension works with farmers, families, youth and communities to improve lives by addressing problems and issues at the local, state and national levels. As a partner to Shelby County in implementing the NDR award, UT Extension's role will be to serve as a resource in the development of community programs (especially in Big Creek and South Cypress Creek) which will educate the community about food and gardening and the creation of community gardens as alternative food sources within the community.

13. Memphis Center for Food and Faith (MCFF) and Grow Memphis (which recently merged to become Memphis Tilth) are local nonprofit organizations identified in Phase 2 who will work with Shelby County during Phase 3 implementation to engage in urban agriculture and community gardening activities designed to bring fresh and healthy food alternatives to citizens residing in the Big Creek and South Cypress Creek communities. As partners, they will work to establish community gardens and healthy food options for these areas to enhance greater access to fresh food.

14. The Hyde Family Foundations (a local philanthropy) and the Greater Memphis Chamber gifted \$157,000 and \$57,000 respectively to support a coordinator position to transition the GREENPRINT from plan to implementation. Their roles in the NDR through support of this position provide additional support for the Regional Resilience Plan funded under the NDR award.

Key Agencies, Partners, Positions, Personnel:

The following outlines the partners who will work directly with or provide support to Shelby County in its efforts to carry out NDR projects and activities as well as their roles in the implementation of "Making Room for the River" concepts.

1. Shelby County's role, through the Divisions of Planning and Development and Public Works (and their associated Departments), is as that of the lead on the NDR award. Shelby County will actively administer the NDR grant, oversee activity design and development, and implement the 4 activities funded under the NDR award (Big Creek, Wolf River, South Cypress, and the Regional Resilience Plan). The County will work closely with each identified partner to insure that activities move forward, are fiscally feasible, and that NDR funds are properly utilized and accounted for throughout the grant award which ends September 2022.

Additionally, Shelby County in its role as the lead on Phase 1, Phase 2, and subsequently the NDR award implementation lead is responsible for insuring that the following supporting leverage commitments are met:

a) Projects integral to the development of the GREENPRINT network involving the development of proposed trail corridors of the



GREENPRINT network including the Shelby Farms Greenline and park trails (\$5,822,181);

b) Fletcher Creek Greenway, Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway, Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail funded through DPD's Memphis Urban Area Metropolitan Planning Organization (\$4,338,696); and

c) The Shelby County's drainage study for resilient approaches to address impacts from the 2011 qualified disasters and future flooding along Big Creek (\$72,000).

2. City of Memphis, a partner since Phase 1 of the NDR process, is the largest municipality in Shelby County with a population of nearly 650,000. Two of the NDR activities (Wolf River and South Cypress Creek) are directly located within the Memphis city limits. Under Phase 3, Memphis will play a key role in assisting in the overall design and implementation of the both of these projects. As a partner in the NDR grant, Memphis is providing a total of \$4,100,000 in direct leverage through its Public Works Division and Division of Housing and Community Development (HCD). This leverage can be broken out as follows: \$2,500,000 for the Wolf River Wetland and Restoration and \$1,600,000 for the South Cypress Creek Activity (\$1,500,000 from Public Works and \$100,000 from HCD). The City is also a partner in the Shelby County Resilience Council (SCRC) a multi-disciplinary team appointed by Shelby County Mayor Mark H. Luttrell, Jr. to formalize development and implementation of the Greenprint for Resilience Project. Also, the City of Memphis is filling a developmental role in support of the NDR application and activities by providing \$34,423,302 for construction and completion of the Main-to-Main Multimodal Connector Project managed by the City of Memphis, connecting Memphis to the City of West Memphis, Arkansas, including the Harahan Bridge connection across the Mississippi River; which furthers regional interconnectedness of the Greenprint.

3. GCR Inc. has also been involved in the NDR grant since the Phase 1 application and prior to the Phase 3 award. GCR will continue to provide project management and technical assistance

Key Agencies, Partners, Positions, Personnel:

ct period with HUD which terminates in September of 2022. GCR staff members have worked with several state clients to develop, implement, and monitor CDBGDR programs. GCR possesses extensive expertise in developing systems that track stages of recovery from immediate response, program development and management, public visibility of expenditures, and progress of recovery resources. Their role will be to provide direct grants management technical assistance to Shelby County to insure compliance, public access to information, and effective administration of resources.

4. Another partner, the Community Development Council of Greater Memphis (CD Council) is a coalition of community and housing development organizations, non-profits, and individuals who support the development and redevelopment of vibrant and economically sustainable neighborhoods. Livable Memphis, a program within CD Council, promotes the same priorities with a special focus on growth and development issues – including land use and transportation – and on increasing public participation in planning and development decisions. As a partner under Phase 3, the CD Council (and Livable Memphis) will provide direct community outreach and awareness efforts to assist Shelby County in its efforts to fully engage the community. Its close ties with CDCs, Neighborhoods, and other non-profits will provide Shelby County and the other NDR partners with direct links in the community to enhance input into the Resilience Plan as well as the other three NDR activities approved under Phase 3.

5. Pique PR is a full-service PR agency based in Memphis, Tennessee who has been involved with Shelby County's NDR application from the beginning of Phase 1. Pique will continue its partnership through Phase 3 of the grant and will continue to provide Shelby County with support for public events associated with public outreach, community engagement, and marketing efforts under the NDR award.

6. Kimley-Horn; Barge Waggoner Sumner and Cannon; and Sasaki and Associates are the team of consultants who have been involved in the NDR grant since the Phase 1 application and prior to the Phase 3 award. These partners have combined expertise in architecture, urban design, landscape architecture, civil engineering, environmental reviews, permitting, water resources, and other services to support the proposed resilience project. Furthermore, these partners have specialized experience in stormwater modeling, GIS-based applications, creation and permitting of wetlands at both the state and federal levels, and design and implementation of green infrastructure in Memphis and Shelby County as well as nationwide.

a) Kimley-Horn will continue their partnership with Shelby County to carry out environmental reviews and architectural/engineering designs associated with the Wolf River Wetland Restoration and Greenway activity, which includes the components of Kennedy Park, Rodney Baber Park, and Orchi Road Improvements. All of these activities comprise the activity along the Wolf River Conservancy's Wolf River restoration area in Central Shelby County and the greenway trail system tying these activities together.

b) Barge Waggoner Sumner and Cannon will continue their partnership role in carrying out environmental reviews and architectural/engineering designs associated with the Big Cree Wtn Rstrto Poet. Tesdsgnsnspwlvveoraogns;iCeeadwilfcuowtadrstrtondvipe

Key Agencies, Partners, Positions, Personnel:

t of proposed amenities, and the interconnectedness of public access throughout the development.

c) Sasaki and Associates will continue their partnership role in carrying out environmental reviews and architectural/engineering designs associated with the South Cypress Creek Watershed and Neighborhood Redevelopment. The designs will focus on both wetland restoration designs which strengthen community and social cohesion, repurposing vacant lots to accomplish community and economic development, and increase access to fresh, healthy foods.

7. The Wolf River Conservancy (WRC) has been a key participant and partner during the development of both Phase 1 and Phase 2 of the NDR competition. A non-profit that protects habitats within the Wolf River watershed, spearheads the Wolf River Greenway project along the urban Wolf River, connects people of all ages to the Wolf River through education, and provides outstanding recreational opportunities for the community; WRC has helped to protect 18,000 acres in the Wolf River corridor in order to enhance the entire Wolf River floodplain and protect critical aquifer recharge areas for public drinking water. As a key partner providing \$34 million in leverage under Phase 3 of the NDR award, WRC will continue the same efforts outlined above along (and within) the Wolf River Wetland Restoration and Greenway Activity. WRC's direct role will be developing the portion to the Greenway which will link Kennedy Park, Orchi Street, and Rodney Baber Parks and enhances overall access to parks and amenities within the activity area (and larger parts of Shelby County as the Greenway continues to grow). A key role of WRC in Phase 3 of the NDR award is the provision of \$31,500,000 in direct leverage for the Wolf River Greenway and Restoration Activity.

8. United Housing Incorporated (UHI), as identified in Phase 2, is a local nonprofit organization engaged in homebuyer education, community development, down payment assistance, and housing rehabilitation and construction who will serve as a partner in



the South Cypress Creek activity. United Housing, a part of the Neighbor Works America Network, will provide support in developing and retaining housing in South Cypress Creek in order to stabilize and improve the housing stock of the area and assist in relocating residents from flood prone housing into new and/or rehabilitated housing in the neighborhood. This newly created housing will, to the greatest extent possible, incorporate energy efficiency, renewable energy, and low impact development into the designs. In this role, UHI will work closely with Shelby County and Habitat for Humanity of Greater Memphis to carryout activities to stabilize and enhance the living environment within the South Cypress Creek community to create stronger and healthier neighborhood.

9. Similar to UHI, Habitat for Humanity of Greater Memphis (HFHGM) is a nonprofit housing ministry dedicated to eliminating substandard housing from the city of Memphis and surrounding areas, while making decent housing for all people a matter of conscience and action. Identified as a partner in Phase 2 of the NDR competition, HFHGM will play a role in the implementation of Phase 3 by providing one or more of the following: homebuyer education, counseling, housing repairs, and/or new construction. In this role, HFHGM will work closely with Shelby County and UHI to carryout activities to stabilize and enhance the living environment within

Overall	This Report Period	To Date
Total Projected Budget from All Sources	N/A	\$140,165,341.00
Total Budget	\$0.00	\$60,445,162.00
Total Obligated	\$0.00	\$60,445,162.00
Total Funds Drawdown	\$245,186.59	\$4,379,615.03
Program Funds Drawdown	\$245,186.59	\$4,379,615.03
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$245,186.59	\$4,379,595.03
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Progress Toward Required Numeric Targets

Requirement	Target	Actual
Overall Benefit Percentage (Projected)		74.85%
Overall Benefit Percentage (Actual)		39.43%
Minimum Non-Federal Match	\$0.00	\$0.00
Limit on Public Services	\$9,066,774.45	\$0.00
Limit on Admin/Planning	\$12,089,032.60	\$2,078,463.85
Limit on Admin	\$0.00	\$431,163.45
Most Impacted and Distressed Threshold (Projected)	\$0.00	\$0.00

Overall Progress Narrative:

During the reporting period between September 1, 2018 and December 31, 2018, Shelby County moved the NDR program forward through by continuing to carryout activities under: (1) the Mid-South Regional Resilience Master Plan, (2) Hydraulic Modeling and related deliverables, and (3) the environmental reviews and project designs for the major NDR activities (South Cypress Creek, Wolf River Wetland and Restoration Greenway, and Big Creek Wetland and Recreation Area), and Phase 8 of the Wolf River Greenway.

NDR Projects 1-NDR-01 (Hydraulic Modeling), 1-NDR-02 (Master Resilience Plan), 2-NDR-06 (South Cypress Creek Engineering and Testing), 3-NDR-05 (Wolf River Engineering and Testing), 3-NDR-07 (Wolf River Greenway - Infrastructure & Construction), 4-NDR-06 (Big Creek Engineering for Floodway design and landscape architecture) and 5-NDR-01 (Administration) are all underway and/or moving forward.

As of December 31, 2018, Shelby County had drawn down \$245,186.59 in grant funds from DRGR for the reporting period of October 1 – December 31, 2018. When combined with the \$4,131,428.44 drawn



during the previous reporting periods, Shelby County had drawn a total of \$4,379,595.03 in DRGR. As of the end of the quarter, all funds drawn from DRGR had been expended by the County.

Other key accomplishments during the quarter included:

1. All data from the Hydraulic Model was provided to the University of Memphis/CAESAR for use in modeling the three major tributaries (Loosahatchie, Wolf, and Nonconnah) included in the study. Hydraulic modeling continued by the Wolf River and the Big Creek NDR Project engineering teams for application to their respective projects.
2. The Mid-South Region Resilience Master Plan continued to move forward with the targeted goal of completion by the summer of 2019. As of the close of 2018, all parts of Phases 1 and 2 were complete and Phase 3 of Resilience Master Plan was 45% complete.
3. A request for bids to carry out a Phase 1 Archaeological Assessment on the Big Creek Project Area as a part of the Engineering and Environmental Review process was opened in October 2018. The archaeological firm Panamerican Consultants, Inc. was selected to carry out the Phase 1 Assessment at a cost of \$15,017.00
4. Construction of Phase 8 of the Wolf River Greenway was underway and all work is anticipated to be completed during the first quarter of 2019. South Cypress Creek accomplishments during the quarter included moving forward with the environmental review and design concept.
5. Completion of an 80% draft of the design for the Wolf River Greenway Project had been completed for review by Shelby County and the project team members.
6. Under the Wolf River Greenway Activity 3-NDR-07 key accomplishments included the appraisal and appraisal review for Phases 6 and 10A of the WRG and movement to purchase easements on the three (3) properties needed for Phase 10A to move forward with construction.
7. Big Creek activity carried out as of December 2018 included continued work on the environmental review, and engineering and design for the Project. Key accomplishments during the October – December 2018 quarter were the start of outlining the ARAP/404 permits, continuance of the NEPA process, and finalization of designs for incorporation into the NEPA.
8. Key administrative tasks completed during the reporting period included the finalization of the revision and update to the Action Plan (approved by HUD on October 2018), coordinating information on the Big Creek Project with George Cano (Emergency Management Officer and Naval Support Millington), and participating in floodplain management training on 12/7.

Specific details on actions and accomplishments under each of these activities is provided under each activity narrative within this QPR.

Project Summary

Project #, Project Title	This Report Period	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
1 - NDR, Regional Resilience Plan - NDR	\$33,949.72	\$2,100,000.00	\$1,647,300.40
2 - NDR, South Cypress Creek Watershed & Neighborhood	\$18,262.50	\$8,988,097.00	\$773,042.36
3 - NDR, Wolf River Wetland & Restoration Greenway - NDR	\$144,666.00	\$18,260,842.00	\$808,166.00
4 - NDR, Big Creek Wetland & Recreation Area - NDR	\$9,700.00	\$29,447,227.00	\$719,942.82
5 - NDR, Administration - NDR	\$38,608.37	\$1,648,997.00	\$431,163.45
6 - LTC, Long Term Commitments - LTC	\$0.00	\$0.00	\$0.00
7 - SL, Supporting Leverage - SL	\$0.00	\$0.00	\$0.00
8 - OV, Outcome Values - OV	\$0.00	\$0.00	\$0.00



Activities

Project # / Title: 1 - NDR / Regional Resilience Plan - NDR

Grantee Activity Number: 1 - NDR - 01

Activity Title: Hydraulic Modeling

Activity Category:

Planning

Project Number:

1 - NDR

Projected Start Date:

03/30/2017

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Regional Resilience Plan - NDR

Projected End Date:

11/30/2018

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall

Total Projected Budget from All Sources

Oct 1 thru Dec 31, 2018

N/A

To Date

\$1,300,000.00

Total Budget

\$0.00

\$1,300,000.00

Total Obligated

\$0.00

\$1,300,000.00

Total Funds Drawdown

\$18,949.72

\$1,259,800.40

Program Funds Drawdown

\$18,949.72

\$1,259,800.40

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$18,949.72

\$1,259,800.40

Shelby County Government2

\$18,949.72

\$1,259,800.40

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

Hydraulic Modeling of the three major drainage Basins in Shelby County as a part of the Master Resilience Plan for Shelby County.

Location Description:

3 watersheds of Shelby County.

Activity Progress Narrative:

Hydraulic modeling activity continued during the quarter with meetings with the Hydraulic modeling team members to review measurements used for Nonconnah Creek, the Wolf River, and the Loosahatchie River and to focus on the modeling efforts associated with the Hydraulic study. Meetings took place on 10/2, 10/5, 10/9 and included Shelby County staff and the contracted engineering teams.



The HEC-RAS models continued to be used to support review and analysis of potential improvements within Shelby County for use with both the Master Resilience Plan and NDR projects. Further applications of this work and potential uses by jurisdictions continued to be identified and discussed.

Accomplishments Performance Measures

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

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	

Activity Supporting Documents

Document	Amount
1 - NDR - 01 August-September \$18,949.72.pdf	



Grantee Activity Number: 1 - NDR - 02

Activity Title: Master Planning

Activity Category:

Planning

Project Number:

1 - NDR

Projected Start Date:

03/30/2017

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Regional Resilience Plan - NDR

Projected End Date:

06/30/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$800,000.00
Total Budget	\$0.00	\$800,000.00
Total Obligated	\$0.00	\$800,000.00
Total Funds Drawdown	\$15,000.00	\$387,500.00
Program Funds Drawdown	\$15,000.00	\$387,500.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$15,000.00	\$387,500.00
Shelby County Government2	\$15,000.00	\$387,500.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Resilience planning, data development, public input and Resilience Plan finalization to establish long term resilience for Shelby County.

Location Description:

Shelby County, Tennessee

Activity Progress Narrative:

Key accomplishments under the Master Plan included the completion of implementation research associated with key aspects of the Resilience Plan, and the development of a first draft of recommendations for review and discussion. Bi-weekly team conference calls with team members to discuss issues and monitor the progress of the Master Resilience Plan continued during the reporting period.

On November 13th, 2018 resilience staff participated and observed one of our corporate partner's large-scale resilience exercises. The exercises were followed up with meetings with corporate resilience managers. The discussions focused on potential partnerships and the exchanging of resilience programs ideas and techniques that could be incorporated into the resilience master plan. As of the close of 2018, all parts of Phases 1 and 2 were complete and Phase 3 of Resilience Master Plan was 45% complete. Work began on developing a draft section of the plan to send out to local jurisdictions and stakeholders updating them on the progress of the plan and soliciting input on early conclusions. This will go out next quarter. We expect the 1st draft of the Master Resilience Plan to



be completed by the end of the first quarter of 2019. Continued communication with area jurisdictions has helped focus the regional discussion of resilience strategies and fostered important partnerships in resiliency- focused work.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Plans or Planning Products	0	0/1
# of community engagement	0	6/9

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	

Activity Supporting Documents

Document 1 - NDR - 02 August-September 2018 \$15,000.pdf

Document Shelby-Sasaki Planning Team Meetings October 2018 - December 2018.pdf

Project # / Title: 2 - NDR / South Cypress Creek Watershed & Neighborhood

Grantee Activity Number: 2 - NDR - 01

Activity Title: Infrastructure

Activity Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Planned

Project Number:

2 - NDR

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected Start Date:

09/01/2019

Projected End Date:

06/15/2022



Benefit Type:

Area ()

Completed Activity Actual End Date:**National Objective:**

Low/Mod

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,320,500.00
Total Budget	\$0.00	\$1,320,500.00
Total Obligated	\$0.00	\$1,320,500.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Actual Construction of the South Cypress Neighborhood Development Infrastructure Projects including reuse of repurposed vacant lots, community gardens, bidding, contract approval, and construction within the community.

Location Description:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

Work on this the South Cypress Creek infrastructure activities will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019; but is subject to the completion of the environmental review and Release of Funds for the project itself.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	0/16000



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



Grantee Activity Number:	2 - NDR - 02
Activity Title:	Flood Mitigation/Stormwater

Activity Category:

Dike/dam/stream-river bank repairs

Project Number:

2 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$2,038,736.00
Total Budget	\$0.00	\$2,038,736.00
Total Obligated	\$0.00	\$2,038,736.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Actual Construction of the South Cypress Watershed and Neighborhood Development Project including bidding, contract approval, and construction within the community.

Location Description:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear miles of Public	0	0/1

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
City of Memphis Public Works	\$1,500,000.00
Total Other Funding Sources	\$0.00



Grantee Activity Number: 2 - NDR - 03

Activity Title: Program Capital Costs

Activity Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Planned

Project Number:

2 - NDR

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected Start Date:

09/01/2019

Projected End Date:

06/15/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$450,000.00
Total Budget	\$0.00	\$450,000.00
Total Obligated	\$0.00	\$450,000.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Actual Construction of the South Cypress Watershed and Neighborhood Development Project including bidding, contract approval, and construction within the community.

Location Description:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Acres wetlands	0	0/85

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	



Grantee Activity Number: 2 - NDR - 04

Activity Title: Property Acquisitions

Activity Category:

Acquisition - general

Project Number:

2 - NDR

Projected Start Date:

11/15/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

02/28/2020

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,901,678.00
Total Budget	\$0.00	\$1,901,678.00
Total Obligated	\$0.00	\$1,901,678.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Voluntary acquisition of property which will be permanently returned to floodway/wetland as part of the overall resilience project.

Location Description:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

The property acquisition under the South Cypress Creek will begin once the engineering/design and Environmental Review are completed. All acquisitions will be voluntary and comply with the Uniform Relocation Act (URA) set forth by the federal government. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until Mid-May of 2017. Because this activity is dependent upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired voluntarily	0	0/14
Total acquisition compensation to	0	0/1901678

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	

Grantee Activity Number:	2 - NDR - 05
Activity Title:	New Housing Development

Activity Category:
Rehabilitation/reconstruction of residential structures

Activity Status:
Planned

Project Number:
2 - NDR

Project Title:
South Cypress Creek Watershed & Neighborhood

Projected Start Date:
11/15/2019

Projected End Date:
06/30/2020

Benefit Type:
Direct (HouseHold)

Completed Activity Actual End Date:

National Objective:
Low/Mod

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,512,500.00
Total Budget	\$0.00	\$1,512,500.00
Total Obligated	\$0.00	\$1,512,500.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Reconstruction of infill housing and housing rehabilitation for residents who participated voluntarily in property acquisition to include homebuyer assistance and assistance waivers to eligible homebuyers, as necessary. New activities will be added in the future to reflect non-LMI households assisted and other housing activity if necessary. Actual household income will be documented as individual clients are served under this activity.

Location Description:

South Cypress Creek Watershed in Southwest Memphis, Tennessee
35.059753, -90.091317

Activity Progress Narrative:

Like the property acquisition activity (2-NDR-04) the New Housing Development activity will begin once the engineering/design and Environmental Review are completed. Under this activity, Shelby County will not be carrying on new construction on its own as new development. This activity is designed to provide a subsidized forgivable grant to owners who participate in the voluntary buyouts under 2-NDR-04. Again, Shelby County will not be developing housing in South Cypress Creek on its own under this NDR activity. The original start and end date for this activity was also based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until Mid-May of 2017. Because this activity is dependent on upon the project’s engineering design, environmental review, and subsequent Release of Funds by HUD the



project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.

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
City of Memphis Housing	\$100,000.00
Total Other Funding Sources	\$0.00

Grantee Activity Number: 2 - NDR - 06

Activity Title: Engineering and Testing

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

2 - NDR

Projected Start Date:

03/30/2017

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

South Cypress Creek Watershed & Neighborhood

Projected End Date:

08/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,764,683.00
Total Budget	\$0.00	\$1,764,683.00
Total Obligated	\$0.00	\$1,764,683.00
Total Funds Drawdown	\$18,262.50	\$773,042.36
Program Funds Drawdown	\$18,262.50	\$773,042.36
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$18,262.50	\$773,022.36
Shelby County Government2	\$18,262.50	\$773,022.36
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Development of environmental review, architectural and engineering designs and costs associated with overall design and implementation.

Location Description:

Funds will be used to design the Cypress Creek Project within the City of Memphis in Southwest Memphis, Tennessee. 35.059753, -90.091317

Activity Progress Narrative:

South Cypress Creek accomplishments during the quarter included moving forward with the environmental review and design concept. Letters were forward to the Chief and Tribal Historic Preservation Officers for the Quapaw, Alabama-Quassarte, Chickasaw, Coushatta, Muscogee, and Choctaw Tribes seeking their input as participating consultants. Also, the Section 106 letter was drafted for review and submission to the State Historic Preservation Officer when appropriate. Meetings also took place that were associated with the engineering and design, advanced hydraulic modeling and refined stream alignment. Meetings were held with the USA Corps of Engineers (USACE) and the Tennessee Department of Environment and Conservation (TDEC) to discuss wetlands and permitting. The design team further refined designs based on these meetings and input. As a result of these meetings, schematic designs were finalized and design documents continued to be developed. Additionally, the



team held a conference call on 10/25 with John Dinning with C & N Railroad concerning access to and potential modifications to a closed railroad spur located within the South Cypress Creek Project Area. The discussion focused on permission to remove part of the old railroad spur currently prohibiting sufficient high flows from accessing the adjacent floodplain.

Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
# of Acres wetlands	0	0/15

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	

Activity Supporting Documents

- Document** 2 - NDR - 06 August-September \$18,262.50.pdf
- Document** South Cypress Creek Engineering Design Team Meeting Agendas August-September 2018.pdf
- Document** South Cypress Creek_Tribal Consulting Party Invitations.pdf

Project # / Title: 3 - NDR / Wolf River Wetland & Restoration Greenway - NDR

Grantee Activity Number:	3 - NDR -01
Activity Title:	Orchi Road Complete Street - Infrastructure & Cons

Activity Category:
Construction/reconstruction of streets

Project Number:
3 - NDR

Activity Status:
Planned

Project Title:
Wolf River Wetland & Restoration Greenway - NDR

Projected Start Date:

04/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Projected End Date:

05/01/2021

Completed Activity Actual End Date:**Responsible Organization:**

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,151,549.00
Total Budget	\$0.00	\$1,151,549.00
Total Obligated	\$0.00	\$1,151,549.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Reconstruction of Orchi Road to prevent future flooding of the are and to link low income residents with the greenway and parks being developed under this project

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.177991, -89.937286

Activity Progress Narrative:

Reconstruction of Orchi Road to prevent future flooding of the area and to link low income residents with the greenway and parks being developed under this activity. The activity will also develop safer roadways for pedestrian and residents within the activity boundaries.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of Public	0	0/1000
# of Linear miles of Public	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



Grantee Activity Number:	3 - NDR -02
Activity Title:	Rodney Baber Park - Infrastructure & Construction

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

05/01/2021

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,688,645.00
Total Budget	\$0.00	\$1,688,645.00
Total Obligated	\$0.00	\$1,688,645.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Reconstruction of Rodney Baber Park to create a more resilient park that links the Wolf River greenway, Kennedy Park and the Orchi Road activities.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.196180, -89.987756

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	0	0/2



# of public facilities	0	0/1
# of Linear feet of green public	0	0/2500

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
City of Memphis Public Works	\$1,500,000.00
Total Other Funding Sources	\$0.00



Grantee Activity Number:	3 - NDR -03
Activity Title:	Kennedy Park - Infrastructure & Construction

Activity Category:
Acquisition, construction, reconstruction of public facilities

Activity Status:
Planned

Project Number:
3 - NDR

Project Title:
Wolf River Wetland & Restoration Greenway - NDR

Projected Start Date:
04/01/2019

Projected End Date:
05/01/2021

Benefit Type:
Area ()

Completed Activity Actual End Date:

National Objective:
Low/Mod

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$436,586.00
Total Budget	\$0.00	\$436,586.00
Total Obligated	\$0.00	\$436,586.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Reconstruction of Kennedy Park to create a more resilient park that links the Wolf River greenway, Rodney Baber Park and the Orchi Road activities

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.198212, -89.910189

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of public facilities	0	0/1
# of Linear feet of green public	0	0/1000



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



Grantee Activity Number:	3 - NDR -04
Activity Title:	Park Earthwork/Utilities/Demolition

Activity Category:
Acquisition, construction, reconstruction of public facilities

Activity Status:
Planned

Project Number:
3 - NDR

Project Title:
Wolf River Wetland & Restoration Greenway - NDR

Projected Start Date:
04/01/2019

Projected End Date:
05/01/2021

Benefit Type:
Area ()

Completed Activity Actual End Date:

National Objective:
Low/Mod

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$3,929,985.00
Total Budget	\$0.00	\$3,929,985.00
Total Obligated	\$0.00	\$3,929,985.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Reconstruction of the restoration area associated with the Wolf River Wetland and Restoration Greenway project.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.196180, -89.987756 to 35.198212, -89.910189

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Acres wetlands	0	0/5



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



Grantee Activity Number: 3 - NDR -05

Activity Title: Engineering and Testing

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2017

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

12/15/2018

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,941,677.00
Total Budget	\$0.00	\$1,941,677.00
Total Obligated	\$0.00	\$1,941,677.00
Total Funds Drawdown	\$10,400.00	\$673,900.00
Program Funds Drawdown	\$10,400.00	\$673,900.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$10,400.00	\$673,900.00
Shelby County Government2	\$10,400.00	\$673,900.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Development of environmental review, architectural and engineering design and costs associated with overall design and implementation of the Wolf River Wetland and Restoration Greenway project.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.196180, -89.987756, 35.198212, -89.910189, from 35.196180, -89.987756 to 35.198212, -89.910189 and 35.177991, -89.937286

Activity Progress Narrative:

Key accomplishments under the Wolf River Greenway 's environmental review and engineering activities included analysis of the flood modeling along Orchi Road, the incorporation of new survey data to the design in order to refine earthwork numbers, further analysis and design of the stream restoration associated with the project, coordination with Tennessee Department of Environment and Conservation (TDEC) on environmental permits for the project, coordination with both TDEC and the City of Memphis on wetland options under the project, and movement to finalize the NEPA associated with the project, By the close of the December quarter, an 80% draft of the design for the project as a whole had been completed for review by Shelby County and the project team members.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	0/1000

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
City of Memphis Public Works	\$250,000.00
Total Other Funding Sources	\$0.00

Activity Supporting Documents

Document 3 - NDR - 05 August-September 2018 \$10,400.pdf

Document HUD Resiliency- Wolf River Greenway Design Coordination Meeting Notes October-December 2018.pdf



Grantee Activity Number: 3 - NDR -06

Activity Title: Property Acquisition

Activity Category:

Acquisition - general

Project Number:

3 - NDR

Projected Start Date:

03/08/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

07/06/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$112,400.00
Total Budget	\$0.00	\$112,400.00
Total Obligated	\$0.00	\$112,400.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Voluntary purchase of property easements along the Wolf River Greenway all for the development of trailways along the Wolf River Greenway and Restoration Project which links Kennedy Park, Rodney Baber Park, and Orchi Road.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.198212, -89.910189

Activity Progress Narrative:

Voluntary purchase of property easements along the Wolf River Greenway all for the development of trail ways along the Wolf River Greenway and Restoration Project which links Kennedy Park, Rodney Baber Park, and Orchi Road.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired voluntarily	0	0/1



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

Grantee Activity Number:	3 - NDR -07
Activity Title:	Wolf River Greenway - Infrastructure & Constructio

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

09/01/2017

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Wolf River Wetland & Restoration Greenway - NDR

Projected End Date:

09/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$9,000,000.00
Total Budget	\$0.00	\$9,000,000.00
Total Obligated	\$0.00	\$9,000,000.00
Total Funds Drawdown	\$134,266.00	\$134,266.00
Program Funds Drawdown	\$134,266.00	\$134,266.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$134,266.00	\$134,266.00
Shelby County Government2	\$134,266.00	\$134,266.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Construction of the Wolf River Greenway Trail system in conjunction with this project and as outlined in the Regional Greenprint.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West
35.196180, -89.987756 to 35.198212, -89.910189

Activity Progress Narrative:

During the reporting period, Wolf River Greenway key accomplishments included the appraisal and appraisal review for Phases 6 and 10A of the WRG and movement to purchase easements on the three (3) properties needed for Phase 10A to move forward with construction. Currently, Shelby County is working with Beth Lay (US Department of HUD) to secure approval of the easement on the property owned by Luther Terrace. HUD has an interest in this property and the County Attorney is coordinating with Ms. Lay to develop language allowing for the easement that is suitable to HUD. As for construction of Phase 8, the project was well underway at the close of 2018. Work completed included the installation of permanent signage, the installation of 275 tubular delineators, grading and seeding of areas disturbed by the construction work, the pouring/installation of concrete associated with construction, and work to



finalize an early punch list for the work. The only delay experience on the project is the delivery of electrical poles for installation. It is anticipated that construction will be complete during the first quarter of 2019. Currently, Shelby County is in the process of working to receive cost estimates for the construction of a fence along a portion of Phase 8 over the Wolf River (at N. Highland Street and I-40). The bids have been solicited on the Phase 8 fence two (2) separate times with no acceptable bids being received as of December 2018. Shelby County is in the process of re-examining the materials and costs associated with the fence and re-evaluating installation options to determine its next course of action. As of December 31, 2018, The Wolf River Conservancy had expended \$15,635,736.03 on the construction of the Wolf River Greenway approved as leverage under the NDR Grant Competition (Cost Report for 9/17/2014 - 12/31/2018 attached). This represents 49% of the \$31,500,000.00 in leveraged funds.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	0/18000

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
Wolf River Conservancy	\$31,500,000.00
Total Other Funding Sources	\$0.00

Activity Supporting Documents

Document 3 - NDR - 07 August-September \$134,266.pdf

Document Wolf River Greenway Phase 8 Construction Coordination Meeting Notes October-December 2018.pdf

Project # / Title: 4 - NDR / Big Creek Wetland & Recreation Area - NDR
Grantee Activity Number: 4 - NDR - 01
Activity Title: Land Aquisition
Activity Category:

Acquisition - general

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

06/15/2022

Completed Activity Actual End Date:
Responsible Organization:

Shelby County Government2

Overall

	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$640,000.00
Total Budget	\$0.00	\$640,000.00
Total Obligated	\$0.00	\$640,000.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Voluntary acquisition of property which will be permanently returned to floodway/wetland as part of the overall resilience project.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West
 Located around 35.198212, -89.910189

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time, no

adjustment is needed for the proposed start and end date.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired voluntarily	0	0/15
Total acquisition compensation to	0	0/640000

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	



Grantee Activity Number:	4 - NDR - 02
Activity Title:	Overbank Excavation

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$17,191,198.00
Total Budget	\$0.00	\$17,191,198.00
Total Obligated	\$0.00	\$17,191,198.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Construction of the Big Creek Wetland & Recreation Area Designing and constructing flood mitigation and water quality projects such as ponds, retention basins, terraces, community gardens and park amenities. This is excavation to provide floodway for protection of the area North of Big Creek.

Location Description:

Northern portion of Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West
35.198212, -89.910189

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time, no adjustment is needed for the proposed start and end date.

Accomplishments Performance Measures

This Report Period	Cumulative Actual Total / Expected
Total	Total



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



Grantee Activity Number:	4 - NDR - 03
Activity Title:	Recreational Facilities

Activity Category:
Acquisition, construction, reconstruction of public facilities

Activity Status:
Planned

Project Number:
4 - NDR

Project Title:
Big Creek Wetland & Recreation Area - NDR

Projected Start Date:
09/01/2019

Projected End Date:
06/15/2022

Benefit Type:
Area ()

Completed Activity Actual End Date:

National Objective:
Urgent Need

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$5,236,797.00
Total Budget	\$0.00	\$5,236,797.00
Total Obligated	\$0.00	\$5,236,797.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Construction recreational facilities associated within the Big Creek project along the Big Creek Floodway.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West.
35.198212, -89.910189

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time, no adjustment is needed for the proposed start and end date.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	0	0/1



# of Linear feet of Public	0	0/3
# of Linear miles of Public	0	0/4

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	



Grantee Activity Number: 4 - NDR - 04

Activity Title: Bridge Modifications

Activity Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Planned

Project Number:

4 - NDR

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected Start Date:

09/01/2019

Projected End Date:

06/15/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,953,027.00
Total Budget	\$0.00	\$1,953,027.00
Total Obligated	\$0.00	\$1,953,027.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

These bridge modifications remove restrictions to flood waters and will directly benefit LMI areas in Millington which are North of Big Creek Floodway by connecting them to the Big Creek facilities. 4 bridges will directly link these communities to the Big Creek development.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West.
35.198212, -89.910189

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time, no adjustment is needed for the proposed start and end date.

Accomplishments Performance Measures

**This Report Period
Total**

**Cumulative Actual Total / Expected
Total**



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

Grantee Activity Number: 4 - NDR - 05

Activity Title: Tree Planting

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

08/01/2020

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$125,000.00
Total Budget	\$0.00	\$125,000.00
Total Obligated	\$0.00	\$125,000.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This activity is for the replanting of new tree canopy to insure that no net loss occurs to the tree canopy in the activity area due to work in the floodplain. The performance measurement represents an average of 40 trees per acre.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West.

Various locations near 35.198212, -89.910189

Activity Progress Narrative:

The Tree Planting activity as mentioned in previous QPRs has been placed on hold pending the completion of environmental reviews and engineering design of the overall project. This was done in consultation with HUD due to tree planting is an activity under the project. The activity will move forward upon the completion of the FONSI/RROF and subsequent approval by the HUD Field Office.

Accomplishments Performance Measures

This Report Period
Total

Cumulative Actual Total / Expected
Total



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



Grantee Activity Number:	4 - NDR - 06
Activity Title:	Engineering for Floodway design and landscape arch

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

01/01/2017

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

08/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$4,301,204.00
Total Budget	\$0.00	\$4,301,204.00
Total Obligated	\$0.00	\$4,301,204.00
Total Funds Drawdown	\$9,700.00	\$719,942.82
Program Funds Drawdown	\$9,700.00	\$719,942.82
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$9,700.00	\$719,942.82
Shelby County Government2	\$9,700.00	\$719,942.82
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Architect/Engineering and testing for design of the overbank excavation, flood mitigation and recreational facilities.

Location Description:

Northern portion of Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West.

35.198212, -89.910189

Activity Progress Narrative:

In early October 2018, approval of the Pre-Jurisdictional Determinations by the United States Corps of Engineers (USACE), and of the Hydrologic Determinations by the Tennessee Department of Environment and Conservation (TDEC) were received. This gave confirmation of all the wetland and stream delineations within the project boundaries and allowed the team to proceed with both design and permit applications under this activity. Additionally, on October 8, the Phase 1 Archaeological Assessment bids were opened and awarded to Panamerican Consultants, Inc. in the amount of \$15,017.00. The above activity led to additional work on the environmental review, and engineering and design for the Big Creek Project, which included the following key accomplishments during the October – December 2018 quarter: the



start of outlining the ARAP/404 permits, continuance of the NEPA process, finalization of designs for incorporation into the NEPA, an issuance of a Notice To Proceed to Panamerican Consultants, Inc. to begin the Phase 1 Archaeological Assessment, and the assemblage of environmental permits for submission when ready to the USACE and TD EC under the NEPA and Environmental aspects of the project. The first version of the Big Creek design was reviewed by Shelby County and the NDR Team during early December 2018 and reviewed with the City of Millington on December 13th as well. Also on December 13th, Shelby County, Barge Design, and Panamerican met to discuss the details of the Phase 1 Archaeological Assessment on the Big Creek project area, its status and the start of the assessment in early 2019, weather permitting.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	0	0/1
# of public facilities	0	0/3
# of Linear miles of Public	0	0/4
# of Acres wetlands	0	0/500

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	

Activity Supporting Documents

Document 4 - NDR - 06 August-September 2018 \$9,700.pdf



Document Big Creek Resiliency Design Meeting Notes August - December 2018.pdf

Document Big Creek_Tribal Consulting Party Invitations.pdf

Project # / Title: 5 - NDR / Administration - NDR

Grantee Activity Number: 5 - NDR - 01
Activity Title: Program Administration

Activity Category:

Administration

Project Number:

5 - NDR

Projected Start Date:

03/01/2017

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Administration - NDR

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,648,997.00
Total Budget	\$0.00	\$1,648,997.00
Total Obligated	\$0.00	\$1,648,997.00
Total Funds Drawdown	\$38,608.37	\$431,163.45
Program Funds Drawdown	\$38,608.37	\$431,163.45
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$38,608.37	\$431,163.45
Shelby County Government2	\$38,608.37	\$431,163.45
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Grant Administration by Shelby County, Tennessee staff and consultants.

Location Description:

Shelby County Division of Planning and Development

Activity Progress Narrative:

During the October to December 2018 quarter, key administrative tasks completed included the finalization of the



revision and update to the Action Plan (approved by HUD on October 2018), coordinating information on the Big Creek Project with George Cano (Emergency Management Officer and Naval Support Millington), and participating in floodplain management training on 12/7. Administration also met with the Memphis Housing Authority (MHA) to discuss future coordination efforts for any acquisition/relocation efforts that may take place as a part of the South Cypress Creek Activity on 10/22/18. Additionally, regular monthly Team meetings to monitor progress on South Cypress Creek, Wolf River, and Big Creek. Meetings took place on 10/2, 11/6, and 12/5. Furthermore, administration staff continued to hold regular Shelby County Resilience Council Meetings on Friday mornings at 10:00 AM each week to discuss NDR progress, and to review, and provide input into outstanding issues. Resilience staff also held Bi-weekly team conference calls with team members on the Master Resilience Plan, and coordinated monthly team meetings on projects.

Also, during the quarter, Shelby County received an acceptable response to the RFP for the Phase 1 Archaeological Assessment in the Big Creek Project Area. The first RFP issued in July 2018 was mailed to over 80 licensed firms and was advertised with no response. This second RFP was issued in the same manner and generated 1 eligible response. The contract was awarded to Panamerican Consultants, Inc. in the amount of \$15,017.00.

In November, NDR administrative staff began working on the Annual West Tennessee Fair Housing Conference for 2019 with HUD, TN Human Rights Commission, MALS, City of Memphis, as part NDR Fair Housing Activities. The conference will be held on April 11, 2019 at the National Civil Rights Museum. NDR administrative staff also met with Bob Wenner of the Wolf River Conservancy concerning documenting the WRC leverage commitment under NDR. This meeting took place on 12/11. It is anticipated that leverage information will begin to be included in 2019 QPRs as related to expenditures on other parts of the WRG that were approved as leveraged funds under the competition.

Finally, Shelby County's Internal Auditors (Walker Accounting and Consulting, LLC) requested information on the NDR Grant as part of Shelby County's annual audit; and the NDR staff continued to provide Shelby County's own Internal Audit staff with QPR's and updates on the grant itself.

As of December 31, 2018, Shelby County had drawn down \$245,186.59 in grant funds from DRGR for the reporting period of October 1 – December 31, 2018. When combined with the \$4,131,428.44 drawn during the previous reporting periods, Shelby County had drawn a total of \$4,379,595.03 in DRGR. As of the end of the quarter, all funds drawn from DRGR had been expended by the County. Also, attached to this QPR is Form 2516- Contract Activity Report and Form 60002 - Section 3 Summary Report.

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

Activity Supporting Documents



- Document** Resilience Grant B13-US-47-0002 Request for Reimbursement September 30, 2018 \$245,186.59.pdf
- Document** 5 - NDR - 01 ADMINISTRATION August-September 2018 \$38,608.37.pdf
- Document** Shelby County Resilience Council Meeting Notes October-December 2018.pdf
- Document** 2018_Survey_Grantee_626000841.xlsx
- Document** Memorandum for Record Grantee Survey Letter.doc
- Document** 2018 HUD Grant Accrual Survey Part A. Trial Balances Part B. Cash Draw Backup and Part C. Grant Expenses
- Document** 2018-6 to 2018-12_Time Sheets and Effort Log.pdf
- Document** WBE-MBE Report #2_January - December 2018_Form 2516.xls
- Document** Section 3 Summary Report January 1, 2017- December 31, 2018 CDBG NDR Grant B-13-US-47-0002.pdf

Project # / Title: 6 - LTC / Long Term Commitments - LTC

Grantee Activity Number: 6 - LTC - 01
Activity Title: Greenprint

Activity Category:

NDR - Resilience Value

Project Number:

6 - LTC

Projected Start Date:

07/01/2012

Benefit Type:

()

National Objective:

NA

Activity Status:

Completed

Project Title:

Long Term Commitments - LTC

Projected End Date:

01/31/2017

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00



Match Contributed

\$0.00

\$0.00

Activity Description:

The Greenprint is a 25 year plan designed to enhance regional sustainability by establishing a unified vision for a region-wide network of green space areas which serves to address long-term housing and land use, resource conservation, environmental protection, accessibility, community health and wellness transportation alternatives, economic development, neighborhood engagement, and social equity in the Greater Memphis area.

The long term commitment to the Greenprint and the Reigion will be insured through the adoption of greenprint by 22 local jurisdictions who were part of the planning effort and the ultimate finalization of the Greenprint 2015/2040 plan.

Location Description:

The greenprint is a long range plan for the Shelby County Region. The Greenprint study included the Memphis and West Memphis Metropolitan Planning organizations (MPOs) covering four counties and 18 municipalities located in the States of Tennessee, Arkansas and Mississippi. The study areas boundaries include Shelby County, TN and the cities of Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington; northern DeSoto County, MS, including the cities of Hernando, Horn Lake, Olive Branch, Southaven, and Walls; eastern Crittenden County, AR, including the cities of West Memphis, Marion, and Sunset; and western Fayette County, TN including the cities of Piperton, Gallaway, and Braden

Activity Progress Narrative:

All Long-Term Commitments were completed prior to 2017. The completion date was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan will be updated to show complete.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of jurisdictions adopting	0	22/22

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	



Grantee Activity Number: 6 - LTC - 02
Activity Title: Long Term Commitment - Wolf River Conservancy

Activity Category:

NDR - Resilience Value

Project Number:

6 - LTC

Projected Start Date:

01/01/2015

Benefit Type:

()

National Objective:

NA

Activity Status:

Completed

Project Title:

Long Term Commitments - LTC

Projected End Date:

01/31/2017

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Under this long term commitment the Wolf River Conserancy will protect/restore an additional 900 acres of of wetland within the Wolf River watershed in Shelby County.

Location Description:

The Wof River watershed starts in north Mississippi and flows northwest through Fayette and Shelby Counties to join the Mississippi River at Memphis. The watershed carves a green passage though 90 miles of forests, fields and communities. The upper Wolf's upper reaches are lush wetlands of unmatched beauty that help recharge the drinking water aquifer.

Activity Progress Narrative:

All Long-Term Commitments were completed prior to 2017. The completion date was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan was updated to show complete.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	1244/900

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	

Grantee Activity Number:	6 - LTC - 03
Activity Title:	Long Term Commitment - Ready Shelby

Activity Category:

NDR - Resilience Value

Project Number:

6 - LTC

Projected Start Date:

01/01/2015

Benefit Type:

()

National Objective:

NA

Activity Status:

Completed

Project Title:

Long Term Commitments - LTC

Projected End Date:

01/31/2017

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The initiative is designed to educate Shelby County residents on how to prepare for an emergency, with specific attention given to the first 72 hours after an emergency and to partner with public private, faith-based and non-profit sectors to share the guidelines and the overall importance of emergency preparedness for Shelby County. The project under this commitment is to reach an additional 200,000 households.

Location Description:

Ready Shelby is located in Shelby County and is a collaborative initiative supported by Shelby County Government, all municipalities within the County (Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington) and the Assisi Foundation.

Activity Progress Narrative:

All Long-Term Commitments were completed prior to 2017. Ready Shelby is a collaborative initiative supported by Shelby County Government, all municipalities within the County (Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington) and the Assisi Foundation. The Action Plan was updated to show complete.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of households reached	0	421000/20000

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	

Grantee Activity Number:	6 - LTC - 04
Activity Title:	LTC - Memphis Project Delivery Manual

Activity Category:

NDR - Resilience Value

Project Number:

6 - LTC

Projected Start Date:

01/01/2015

Benefit Type:

()

National Objective:

NA

Activity Status:

Completed

Project Title:

Long Term Commitments - LTC

Projected End Date:

01/01/2017

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The City of Memphis Project Delivery Manual included design guidelines for streets that include safe accommodations for vehicles, bicycles, pedestrians, and transit users of all ages and abilities. Once adopted, all street improvements will be required to consult the manual for design and engineering treatments. The manual will allow streets and street segments to be adopted as complete streets in context of the design.

Location Description:

The City of Memphis, Tennessee.

Activity Progress Narrative:

All Long-Term Commitments were completed prior to 2017. The completion date was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan was updated to show complete.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of plans adopted	0	1/1



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: 7 - SL / Supporting Leverage - SL

Grantee Activity Number: 7 - SL - 01

Activity Title: Greenprint Implementation and Staff Support

Activity Category:

NDR - Supporting Leverage

Project Number:

7 - SL

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Supporting Leverage - SL

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall

Total Projected Budget from All Sources

Oct 1 thru Dec 31, 2018

To Date

N/A

\$0.00

Total Budget

\$0.00

\$0.00

Total Obligated

\$0.00

\$0.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00



Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

GREENPRINT Implementation Support - The Hyde Family Foundations, a local philanthropy, gifted \$157,000.00 and the Greater Memphis Chamber of Commerce committed an additional \$57,000.00 to fund a coordinator position to transition the GREENPRINT (the platform for the NDRC competition) from plan to implementation. This leverage also supports the Regional Resilience Plan activity developed in this application.

Location Description:

The Memphis and West Memphis Metropolitan Planning organizations (MPOs) covering four counties and and 18 municipalities located in the States of Tennessee, Arkansas, and Mississippi. The study areas boundaries include Shelby County, TN, and the cities of Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington; northern DeSoto County, MS, including the the cities of Hernando, Horn Lake, Olive Branch, Southaven, and Walls; eastern Crittenden County, AR, including the cities of West Memphis, marion, and Sunset; and western Fayette County, TN, including the cities of Piperton, Galloway, and Braden.

Activity Progress Narrative:

Documentation on Supporting Leverage is being compiled for future reporting. The Greenprint efforts are an on-going effort and any leveraged activities will be documented as needed over the course of these quarterly reports.

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
Greater Memphis Chamber of Commerce	\$57,000.00
Hyde Family Foundation	\$157,000.00
Total Other Funding Sources	\$0.00



Grantee Activity Number:	7 - SL - 02
Activity Title:	Shelby Farms Greenline and Park Trails

Activity Category:

Rehabilitation/reconstruction of a public improvement

Activity Status:

Under Way

Project Number:

7 - SL

Project Title:

Supporting Leverage - SL

Projected Start Date:

09/01/2014

Projected End Date:

09/30/2022

Benefit Type:

()

Completed Activity Actual End Date:

National Objective:

NA

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Shelby County's supporting leverage of \$5,822,181.00 is aligned with the Shelby Farms Greenline and Park Trails. These trail corridors were identified within the GREENPRINT will be and will further connect recreational access points within Shelby Farms and creating a network for Shelby County citizens to access the park amenities without the need for a motorized vehicle.

Location Description:

Shelby County (specifically, the Shelby Farms Park Greenline and Park trails, the Greenline connection to the Wolf River Restoration Greenway, a trail system from central Shelby County to the Frayser community.

Activity Progress Narrative:

Shelby County's supporting leverage of \$5,822,181.00 is aligned with the Shelby Farms Greenline and Park Trails. These trail corridors were identified within the GREENPRINT will be and will further connect recreational access points within Shelby Farms and creating a network for Shelby County citizens to access the park amenities without the need for a motorized vehicle.



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
Shelby County Government	\$5,822,181.00
Total Other Funding Sources	\$0.00

Grantee Activity Number:	7 - SL - 03
Activity Title:	Main-to-Main Multimodel Connector

Activity Category:
NDR - Supporting Leverage

Project Number:
7 - SL

Projected Start Date:
01/01/2015

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Supporting Leverage - SL

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The \$34,423,302.00 in supporting leverage under the Main to main connector provides direct bicycle and pedestrian access from downtown Memphis, TN to the City of West Memphis, AR via the Harahan Bridge. The project creates a pedestrian corridor across an active railway/highway bridge connector over the Mississippi River and allows individuals to directly bike, run, or walk from Tennessee to Arkansas across the river.

Location Description:

Downtown Memphis, TN to the City of West Memphis, Arkansas via the Harahan Bridge across the Mississippi River.

Activity Progress Narrative:

The \$34,423,302.00 in supporting leverage under the Main to main connector provides direct bicycle and pedestrian access from downtown Memphis, TN to the City of West Memphis, AR via the Harahan Bridge. The project creates a pedestrian corridor across an active railway/highway bridge connector over the Mississippi River and allows individuals to directly bike, run, or walk from Tennessee to Arkansas across the river.



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
City of Memphis Public Works	\$34,423,302.00
Total Other Funding Sources	\$0.00

Grantee Activity Number:	7 - SL - 04
Activity Title:	Greenline and Trail Connectors

Activity Category:
NDR - Supporting Leverage

Project Number:
7 - SL

Projected Start Date:
09/01/2014

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Supporting Leverage - SL

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The \$4,338,696.00 in supporting leverage for the Greenline and Trail Connectors will further develop the overall Greenprint platform on which the NDR application was overlaid. The greenline and trail connectors are funded through the Memphis Urban Area Metropolitan Planning Organization, a Department of DPD. The connectors provide further access to areas of Shelby County using a more passive system of trails and greenways which allow individuals a form of alternate travel throughout the community via walking, running, or bicycling.

Location Description:

The Greenline and trail are located along the Fletcher Creek Greenway, Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway, Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail

Activity Progress Narrative:

The Greenline and trail are located along the Fletcher Creek Greenway, Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway, Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail.



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

Memphis Urban Area Metropolitan Planning Organization

Amount

\$4,338,696.00

Total Other Funding Sources

\$0.00

Grantee Activity Number:	7 - SL - 05
Activity Title:	Big Creek Drainage Study

Activity Category:

NDR - Supporting Leverage

Project Number:

7 - SL

Projected Start Date:

12/21/2014

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Supporting Leverage - SL

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The \$72,000.00 in supporting leverage was used to conduct a Big Creek Drainage Study. The study was the result of the 2011 disasters, In response, Shelby County conducted a drainage study for innovative and resilient approaches to address potential future impacts from flooding along Big Creek. This study provides for baseline guidance in the design and development of the Big Creek Wetland and Restoration Greenway activity proposed in Phase 2 of the NDR application.

Location Description:

Big Creek and the Big Creek drainage basin in Northern Shelby County.

Activity Progress Narrative:

The \$72,000.00 in supporting leverage was used to conduct a Big Creek Drainage Study. The study was the result of the 2011 disasters, in response, Shelby County conducted a drainage study for innovative and resilient approaches to address potential future impacts from flooding along Big Creek. This study provides for baseline guidance in the design and development of the Big Creek Wetland and Restoration Greenway activity proposed in Phase 2 of the NDR application. Total expenditures under this commitment came to \$84,809.13.



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
Shelby County Government	\$72,000.00
Total Other Funding Sources	\$0.00

Project # / Title: 8 - OV / Outcome Values - OV

Grantee Activity Number:	8-OV-01-1
Activity Title:	Shelby County OV - Resilience Plan

Activity Category:

NDR - Resilience Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Outcome Values - OV

Projected End Date:

07/01/2019

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00



Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The plan will consist of two parts: a Hydraulic study of 3 major Drainage Basins in Shelby County and an overall plan that will engage the public and identify potential new resilience activities and projects that can be implemented as additional funds become available in the future. The Baseline for this outcome is 0 and will produce 1 plan which will include hydraulic models.

Location Description:

This is a Regional Plan that covers Shelby County and the Memphis MPO service area.

Activity Progress Narrative:

The plan will consist of two parts: A Hydraulic study of three major Drainage Basins in Shelby County and an overall plan that will engage the public and identify potential new resilience activities and projects that can be implemented as additional funds become available in the future. The Baseline for this outcome is 0 (no existing plan) and will produce one plan which will include hydraulic models. Both the Hydraulic Study and the overall Master Resilience Plan are underway and the Outcome Value will be reported when completed. The Hydraulic modeling of the three drainage basins (Nonconnah, Loosahatchie, and Wolf River) was completed in the June of 2018. The final report associated with modeling is still underway due to parts of the model being used for NDR activities. The draft will be finalized when the models are completed. The Master Resilience Plan development officially kicked-off in January and February of 2018. At the close of 2018 the Resilience Plan was 45% complete with an anticipated completion date of August 2019. The next measure will occur in December of 2019, with interim reports each quarter under the activities themselves

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of resilience plans created	0	0/1

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



Grantee Activity Number:	8-OV-02-1
Activity Title:	South Cypress OV - Repurposed Lots

Activity Category:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This activity will repurpose flood lots for other uses within the South Cypress Creek project area. Uses at designated in the Phase 2 were classified as gardens, permanent flood plane lots, and wild lots). Lots use and accomplishments will be determined per Sasaki design of the target ares. Proposed accomplishments to be determined upon design completion. The Baseline for this outcome is 0 and will outcomes will be based on the Sasaki designs. The repurposed lots will be reported annually. 10 lots have been shown as a projection at this time based on preliminary designs.

Location Description:

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

Activity Progress Narrative:

This activity will repurpose flood lots for other uses within the South Cypress Creek project area. Uses as designated in the Phase 2 were classified as gardens, permanent flood plain lots, and wild lots. Lots use and accomplishments will be determined per Sasaki design of the target area. Proposed accomplishments to be determined upon design completion. The Baseline for this outcome is 0 and outcomes will be based on the Sasaki designs. The re-purposed lots will be reported annually. Ten lots have been shown as a projection based on preliminary designs. The South Cypress Creek Project is still in the environmental and design phase at this time and no action has taken place which enables a measurement under this outcome value. The next measure will occur in



December of 2019.

Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
# of vacant lots repurposed	0	0/10

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	



Grantee Activity Number:	8-OV-02-2
Activity Title:	South Cypress OV - Property Value Increase

Activity Category:

NDR - Economic Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The measure for this Outcome Value is a 3% cumulative increase in the assessed property values within the project neighborhood over the next five year period. The baseline for this outcome value is the 2011 property value level which was assessed at \$1,160,490.00 (appraised value of \$7,222,200) per the Shelby County Assessor. First measure of value will be in December 2017.

Location Description:

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

Activity Progress Narrative:

The measure for this Outcome Value is a 3% cumulative increase in the assessed property values within the project neighborhood over the next five-year period. The baseline for this outcome value is the 2011 property value level which was assessed at \$1,607,765.00 (appraised value of \$7,222,200) per the Shelby County Assessor. First measure of value will be in December 2017. In 2017, during the Shelby County re-appraisal process, the current assessment value of the units previously identified in the project area was \$1,001,915 (with an appraised value of \$4,479,100). While down from the 2011 assessment/appraised values, this will provide an excellent baseline for the area in the pre-development/construction phase. In 2018, during the Shelby County reviewed, the current assessment value of the units previously identified in the



project area was \$1,001,865 (with an appraised value of \$4,470,200). While slightly down from the 2017 assessment/appraised values, it appears that the values were stable between 2017 and 2018. Given this baseline, future measurements for this outcome value should present a clear picture as to whether increases in these values can possibly be attributed to the South Cypress Creek Restoration Project once it is completed. The next measurement will take place in December 2019.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% increase in median property	0	0/3

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	

Activity Supporting Documents

Document 2011 VS 2018 Property Appraisal Values.xls

Grantee Activity Number: 8-OV-02-3
Activity Title: South Cypress OV - Restoration of Cypress Creek

Activity Category:
 NDR - Environmental Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Benefit Type:
 ()

National Objective:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
 Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This Outcome Value Activity will lead to 3000 feet of stream restoration in the Cypress Creek Watershed and Neighborhood. The current baseline is 0 since no stream restoration has occurred at this time. The total feet of stream restored will be reported upon completion of the project with interim feet record when possible each quarter.

Location Description:

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

Activity Progress Narrative:

This Outcome Value Activity will lead to 3000 feet of stream restoration in the Cypress Creek Watershed and Neighborhood. The current baseline is 0 since no stream restoration has occurred at this time. The total feet of stream restored will be reported upon completion of the project with interim feet record when possible each quarter. The South Cypress Creek Project is still in the environmental and design phase at this time and no action has taken place which enables a measurement under this outcome value. The next measure will occur in December of 2018.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# linear feet of streams restored	0	0/3000

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	

Grantee Activity Number:	8-OV-02-4
Activity Title:	South Cypress OV - Reduced Floodplain Occupancy

Activity Category:
NDR - Resilience Value

Project Number:
8 - OV

Projected Start Date:
12/21/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Planned

Project Title:
Outcome Values - OV

Projected End Date:
06/15/2022

Completed Activity Actual End Date:

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Through a visual survey, a baseline number of units in the 100 year floodway will be identified. The number will be monitored as the South Cypress Creek Project progresses with a ultimate target outcome of having 0 lots in the neighborhood located in the 100 year flood plain. The baseline for this activity is 20 units currently in the floodway as identified by the use of flood maps and a visual survey.

Location Description:

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

Activity Progress Narrative:

The baseline for this activity is 20 units currently in the floodway as identified using flood maps and a visual survey. The South Cypress Creek Project is still in the environmental and design phase now and no action has taken place which enables a measurement under this outcome value. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# occupied structures in floodplain	0	20/0

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	

Grantee Activity Number:	8-OV-03-1
Activity Title:	Wolf River OV - Increased Greenway Use

Activity Category:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome value anticipated increase from no current use to an average daily use of the Wolf River Wetland and Restoration Greenway of 200 individuals. This will include individuals who walk, run, bike, etc. along the system. The current baseline of this value is 0 since the trail is not complete. Reporting on this activity will occur annually.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West.

Activity Progress Narrative:

This outcome value anticipates an increase from no current use to an average daily use of the Wolf River Wetland and Restoration Greenway by 200 individuals. This will include individuals who walk, run, bike, etc. along the system. The current baseline of this value is 0 since the trail is not complete. Reporting on this activity will occur annually. At this time, the Wolf River Greenway Project and the activities associated with it are still in the environmental review and design stage. Therefore, no measurements on this outcome value are available for reporting for trail usage. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of users of trail system	0	0/200

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	

Grantee Activity Number:	8-OV-03-2
Activity Title:	Wolf River OV - Attracting New Business

Activity Category:

NDR - Economic Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome values project to attract new businesses to the area as the project moves forward to completion at an estimate of 2 per year. The current base line is 0 and the measure of new businesses opening in the area will be measured annually. The value is to be reviewed annually. The first measure will occur in December 2017.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West and new businesses generated within 1/2 mile of this area.

Activity Progress Narrative:

At the close of December 2017, there were 1,519 businesses identified within a 1/2 mile radius of the Wolf River Project. At the close of the reporting period, Shelby County was in the process of mapping and coding 2018 business by their addresses to identify the exact number of business located within the 1/2 mile radius. This number of businesses will be reported in the next quarterly report which will be submitted in April 2019 in order to continue to monitor the increase or decrease in businesses within the target area as the Wolf River Project moves toward completion.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of new businesses locating	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	

Grantee Activity Number:	8-OV-03-3
Activity Title:	Wolf River OV - Increased Wetlands

Activity Category:
NDR - Environmental Value

Activity Status:
Planned

Project Number:
8 - OV

Project Title:
Outcome Values - OV

Projected Start Date:
12/21/2016

Projected End Date:
06/15/2022

Benefit Type:
()

Completed Activity Actual End Date:

National Objective:
NA

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome value projects and increase of 12 acres of wetlands in the project area by project completion. The baseline for this outcome value is 859 acres based on wetland maps of the area between Kennedy and Rodney Baber Park. This expansion will be measured on an annual basis with the first measure occurring in December 2017.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West.

Activity Progress Narrative:

This outcome value projects and increase of 12 acres of wetlands in the project area by project completion. The baseline for this outcome value is 859 acres based on wetland maps of the area between Kennedy and Rodney Baber Park. This expansion will be measured on an annual basis with the first measure occurring in December 2017. At this time, the NDR Wolf River Greenway Project and the activities associated with it are still in the environmental review and design stage. Therefore, no measurements on this outcome value within the NDR fund area are available for reporting for increase in wetlands in the area. In 2017, the Wolf River Conservancy did purchase mitigation credits related to the Wolf River Greenway for Epping Way/Kennedy Park Bike and Pedestrian Trails at the Wolf River. This did not result in the creation of new wetlands. At the close of 2018, Phase 9 (Epping Way/Kennedy) resulted in the creation of a floodwater storage area/pond



which totals 60,375 square feet and include the planting of Cypress trees by the Wolf River Conservancy. The area is rapidly becoming a functioning wetland. Once fully functional this will represent the creation of 1.39 acres of wetlands within the overall project area (1 acre = 43,560 sf.). The next measure will occur in December of 2019.

Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
# acres of wetlands created	0	859/12

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	



Grantee Activity Number:	8-OV-03-4
Activity Title:	Wolf River OV - Flood Cost Reduction

Activity Category:

NDR - Resilience Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Upon completion of the project, this outcome value projects a minimum of \$5,000 in flood damage to the infrastructure of the Rodney Baber due to floodwaters. The measure will be made annually based on flooding in the project area. The baseline for this outcome is the the 2011 damage to Rodney Barer Park in 2011 which was \$66,000. The first annual report is in December 2017.

Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West.

Activity Progress Narrative:

Upon completion of the project, this outcome value projects a minimum of \$5,000 in flood damage to the infrastructure of the Rodney Baber Park due to floodwaters. The measure will be made annually based on flooding in the project area. The baseline for this outcome is the 2011 damage to Rodney Baber Park in 2011 which was \$66,000. The first annual report was completed in December 2017. At this time, the Wolf River Greenway Project and the activities associated with it are still in the environmental review and design stage. Therefore, no measurements on this outcome value are available for reporting for Rodney Baber Park damage. No changes to the park have taken place at this time. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
\$ estimated flood loss avoidance	0	66000/5000

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	

Grantee Activity Number:	8-OV-04-1
Activity Title:	Big Creek OV - Increased Greenway Use

Activity Category:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome value anticipates a use of the new trail system increase in the utilization of greenways and biking trails resulting from the activity. The current base line is 0 with no system in place and will be measured annually as the project moves to completion. The projected use of the system upon completion is an average of 50 users a day. The first measurement will occur in December 2017. The responsible entity is measurement will be the City of Millington/Millington Parks Department.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West.

Activity Progress Narrative:

This outcome value anticipates a use of the new trail system increase in the utilization of greenways and biking trails resulting from the activity. The current base line is 0 with no system in place and will be measured annually as the project moves to completion. The projected use of the system upon completion is an average of 50 users per day. The first measurement occurred in December 2017. The responsible entity for measurement will be the City of Millington/Millington Parks Department. In 2018, the trail system and designs for the Big Creek Project were still under environmental review and design. Therefore, the baseline in 2018 remained at 0. The next report on this outcome value will occur in December 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of users of trail system	0	0/50

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	

Grantee Activity Number:	8-OV-04-2
Activity Title:	Big Creek OV - Increased Housing Value

Activity Category:

NDR - Economic Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Completed Activity Actual End Date:

Responsible Organization:

Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The outcome value projects an increase in the value of building permits pulled in the Millington community of \$1,500,000 for rehabilitation and/or new construction of housing stock by the end of the project. The baseline for this value was the value and number of permits issued in Millington for 2015 which was \$606,638.10 in permit value and 62 permits issues. The Increase in value of housing stock will be measured annually. with the first measurement occurring in December 2016. The Division of Planning and Development is responsible for this measurement. The first report on this value will take place in December 2017.

Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West. The Millington community is identified as the metric to be used for the measurement.

Activity Progress Narrative:

The outcome value projects an increase in the value of building permits pulled in the Millington community of \$1,500,000 for rehabilitation and/or new construction of housing stock by the end of the project. The baseline for this value was the value and number of permits issued in Millington for 2015 which was \$606,638.10 in permit value and 62 permits issues. The increase in value of housing permits will be measured annually with the first measurement occurring in December 2017. The Division of Planning and Development is responsible for this measurement.

According to Shelby County Code Enforcement, there were 25 housing building permits issued for rehabilitation



and new construction in 2017 within the Millington Community. These permits totaled \$1,453,062.23. While the number of permits in 2017 were down from the baseline in 2015, the value of the permits issued more than doubled in 2017 (from \$606,618.10 in 2016 to \$1,453,062.23). The next measurement will be documented in December 2018. In 2018, Shelby County Code Enforcement showed that there were 33 housing building permits issued for rehabilitation and new construction within the Millington Community (up 8 from 2017). These permits totaled \$1,020,174.44 (down \$432,887.79 from 2017). While the number of permits in 2018 increased the value of the permits was down from 2018; however still well above the baseline in 2015. The permit values measurement will be based on permits issued after completion of the project; however, this information provides a good indicator of annual development in Millington as for the end of 2018. The next measurement will be documented in December 2019.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
\$ value of redevelopment	0	606638/15000

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	

Activity Supporting Documents

Document	
	Millington Residential Permit 2015 -2016 -2017-2018.xlsx

Grantee Activity Number:	8-OV-04-3
Activity Title:	Big Creek OV -Tree Mitigation

Activity Category:
NDR - Environmental Value

Activity Status:
Planned

Project Number:
8 - OV

Project Title:
Outcome Values - OV

Projected Start Date:
12/21/2016

Projected End Date:
06/15/2022

Benefit Type:
()

Completed Activity Actual End Date:

National Objective:
NA

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Tree mitigation will take place over 400 acres of land to insure that there is no loss of the tree canopy due to the overall development of the Big Creek Project. The baseline for this value is 0 in that no trees have been removed from the project area. The planting acreage will be measured annually with the first measurement occurring in December 2017. Shelby County Public Works is responsible for this measurement.

Location Description:

The Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West. Tree mitigation will occur throughout the Millington community to insure that there is no loss to the overall tree canopy.

Activity Progress Narrative:

Tree mitigation will take place over 400 acres of land to insure there is no loss of the tree canopy due to the overall development of the Big Creek Project. The baseline for this value is 0 in that no trees have been removed from the project area. The planting acreage will be measured annually with the first measurement occurring in December 2017. Shelby County Public Works is responsible for this measurement. During 2018, no tree planting occurred. As of 2018, no trees have been lost due to NDR projects and the actual tree planting activity is being included as a part of the environmental review and design which is under way for the Big Creek Project. The next measure will occur in December of 2019.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# acres successfully reforested	0	0/400

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	

Grantee Activity Number:	8-OV-04-4
Activity Title:	Big Creek OV - Decreased Flood Damage

Activity Category:
NDR - Resilience Value

Activity Status:
Planned

Project Number:
8 - OV

Project Title:
Outcome Values - OV

Projected Start Date:
12/21/2016

Projected End Date:
06/15/2022

Benefit Type:
()

Completed Activity Actual End Date:

National Objective:
NA

Responsible Organization:
Shelby County Government2

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This outcome value estimates that upon completion of the project Millington can avoid an anticipated \$60,000,000 in flood damage costs and reduce its flood pump operation hours by 20% over the 2010 and 2011 damage. The baseline is a total of \$233 million in damages and 20 hours of flood pump operation. While this cannot truly be assessed until the project is complete and a comparable flood occurs, these metrics will be monitored annually with the first occurring in December 2017.

Location Description:

The Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West. Tree evaluation will occur throughout the Millington community.

Activity Progress Narrative:

This outcome value estimates that upon completion of the project Millington can avoid an anticipated \$60,000,000 in flood damage costs and reduce its flood pump operation hours by 20% over the 2010 and 2011 damage. The baseline is a total of \$233 million in damages and 20 hours of flood pump operation. While this cannot truly be assessed until the project is complete and a comparable flood occurs. These metrics will be monitored annually with the first occurring in December 2017. During 2017 Millington experienced no flooding due to disasters. This resulted in no measurement for loss due to flood damage or the operation of the flood pumps to address flooding issues in the community.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
\$ estimated value of flood loss	0	233000000/60

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	
