

Action Plan

Grantee: Shelby County, TN

Grant: B-13-US-47-0002

LOCCS Authorized Amount:	\$ 60,445,163.00
Grant Award Amount:	\$ 60,445,163.00
Status:	Reviewed and Approved
Estimated PI/RL Funds:	\$ 0.00
Total Budget:	\$ 60,445,163.00

Funding Sources

Funding Source	Funding Type
City of Memphis Public Works	City Funds
Shelby County Government	County Funds
Greater Memphis Chamber of Commerce	Other Private Funds
City of Memphis Housing	City Funds
Wolf River Conservancy	Other Private Funds
Memphis Urban Area Metropolitan Planning	County Funds
Hyde Family Foundation	Other Private Funds

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 a resilient 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 residents from homes at risk of continued flooding and developing an approach to reduce Memphis' 47% vacancy rate;
- (3) Place (Infrastructure & Environment) - build new and establish connectivity to opportunities and community assets, building on the GREENPRINT with nearly 30 miles of new trails or bike paths to connect greenspace, housing, and jobs; and
- (4) Knowledge (Leadership & Strategy) - implement the regional sustainability plan by creating innovative, scalable, and resilient solutions for flood prone communities across the region.

Each of these values is directly linked to a county-wide resilience imperative - - to live with water by "making room for the river." Utilizing \$60,445,163.00 (CDBG-NDR funds), \$31,600,000.00 (direct leverage from the Wolf River Conservancy), and \$4,100,000.00 (direct leverage from the City of Memphis), Shelby County will invest a total of \$96,045,163.00 in infrastructure, planning, and administration of the NDR project. Furthermore, a total of \$44,870,179.00 in supporting leverage from other partners (\$57,000.00 from the Memphis Chamber of Commerce, \$34,423,302.00 from Memphis Public Works, \$157,000.00 from the Hyde Family Foundation, \$4,338,696.00 from the Memphis MPO, \$72,000.00 from Shelby County, and \$5,822,181.00 from Shelby County) will be utilized to support approved activities associated with the "making room for the river project" concept. The following table breaks out funds and costs by area of activity.

NDR Projects CDBG-NDR Funds Direct Leverage Supporting Leverage

Regional Resilience Plan

\$2,100,000.00 CDBG-NDR Funds

South Cypress Creek Watershed and Neighborhood Development

\$8,988,097.00 CDBG-NDR Funds \$1,600,000.00 Direct Leverage

Wolf River Wetland and Restoration Greenway

\$18,260,842.00 CDBG-NDR Funds \$34,000,000.00 Direct Leverage

Big Creek Wetland and Recreation Area

\$29,447,227.00 CDBG-NDR Funds

Administration

\$1,648,997.00 CDBG-NDR Funds

Greater Memphis Chamber of Commerce \$57,000.00 Supporting Leverage

City of Memphis Division of Public Works (Wolf River Wetland Greenway) \$2,500,000.00 Direct Leverage

City of Memphis Division of Public Works (South Cypress Creek) \$1,500,000.00 Direct Leverage and \$34,423,302.00 (Main to Main) Supporting Leverage

City of Memphis Division of Housing \$100,000.00 Direct Leverage

Hyde Family Foundations \$157,000.00 Supporting Leverage

Memphis MPO \$4,338,696.00 Supporting Leverage

Shelby County (Big Creek) \$72,000.00 Supporting Leverage

Wolf Creek Conservancy \$31,500,000.00 Direct Leverage

Shelby County (Trails) \$5,822,181.00 Supporting Leverage

TOTAL \$60,445,163.00 CDBG-NDR Funds \$35,600,00.00 in Direct Leverage and \$44,870,179.00 in Supporting Leverage

Sources of Accepted Direct Leverage Amount Activity

Wolf River Conservancy \$31,500,000.00 Wolf River Wetland and Restoration Greenway

City of Memphis's Division of Public Works \$2,500,000.00 Wolf River Wetland and Restoration Greenway

City of Memphis's Division of Public Works \$1,500,000.00 South Cypress Creek Watershed and Neighborhood Development

City of Memphis's Division of Housing and Community Development \$100,000.00 South Cypress Creek Watershed and Neighborhood Development

Total Direct Leverage \$35,600,000.00

Other Anticipated Support (Not Direct or Supporting Leverage) Amount Activity

State of Tennessee \$6,000,000.00 Big Creek Wetland Restoration Project

Shelby County \$3,000,000.00 Big Creek Wetland Restoration Project

City of Millington \$1,000,000.00 Big Creek Wetland Restoration Project

Total Other Support \$10,000,000.00

The 5 NDR activities funded by CDBG-NDR and Direct Leverage focus on infrastructure, planning, and administration activities which will provide flood protection for areas that were flooded in the 2011 disaster, most of which are in LMI communities; address environmental degradation, particularly along damaged stream channels; create a long-term strategy for infrastructure resilience and protection from storm and flood damage; and create co-benefits of recreation, transportation choice, community health, and economic and community revitalization. This represents \$96,045,163.00 in grant funds and direct leverage.

These activities utilize NDR funds and Direct Leverage to combine for total activity cost as follows:

- (1) Big Creek Wetland Restoration (\$29,447,227.00) – The \$29,447,227.00 in CDBG-NDR funds will provide flood protection, recreational amenities, and urban agriculture along Big Creek in Millington, Tennessee benefitting LMI residents and the U.S. Naval Support Activity Command Center;
- (2) Wolf River Wetland Restoration (\$52,260,842.00) – Will provide flood protection, recreational amenities, and connectivity through greenways and complete streets to increase access to economic opportunity in Wolf River communities of Memphis, Tennessee; and
- (3) South Cypress Creek Watershed Development (\$10,588,097.00) – Will provide flood protection, vacant lot remediation, food production, and community programs to increase economic and social capital in South Cypress Creek in Southwest Memphis,



Tennessee.

(4) Regional Resilience Plan (\$2,100,000.00) – Will further Shelby County's efforts to expnsrlecetruhut the region by developing hydraulic models of thre watesesaoshebCutdterein, providing scientific data to identify ways to increase resilience in the region; and make Shelby County more resilient to other risks such as heavy wind, extreme heat, drought, and severe snow and ice.

(5) NDR Administration (\$1,648,997.00) – Will provide for the direct administration and staff costs associated with the NDR activities identified under the "Making Room for the River Project" over the term of the NDR timeline.

The above activities as outlined under the NDR award to Shelby County represents 94% of the NDR funds being used for direct infrastructure development under activities 1-3 and 6 of the NDR award plan (2.7% and 3.5% respectively).

Supporting Commitments (\$44,870,179.00)

In addition to the five NDR activities funded by NDR and Direct Leverage; Supporting Leverage will be expended during the grant term to carry out other activities not funded by NDR but which will support Shelby County's long term commitment to resilience as outlined in both Phase 1 and Phase 2 of the competition. All of the following were approved by the U.S. Department of Housing and Urban Development as supporting commitments for the Shelby County NDR competition and the Phase 3 NDR grant award.

Shelby County's supporting commitments drew heavily from the ongoing implementation of the GREENPRINT plan, whose goals and approach formed the framework for the development of the Greenprint for Resilience's "Making Room for the River Project" as outlined in the NDRC application. These approaches will enable Shelby County to design a replicable and scalable series of interventions throughout the county and region both currently and in the future. The following provides a description of these supporting leverage activities identified under the competition.

(1) GREENPRINT Implementation Support (\$214,000.00) - 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.

(2) GREENPRINT Network Activities (\$44,584,179.00) - Multiple ongoing projects are integral to the development of the GREENPRINT network and platform on which the NDR applications was based. These include proposed trail corridors and regional parks which connect communities within Shelby County and the Region as shown below:

a) Shelby Farms Greenline and Park Trails. These trail corridors identified within the GREENPRINT will be developed and specifically include the Shelby Farms Greenline and park trails. The Greenline system connects Shelby Farms Park directly to an access point which will allow for linkage to the NDR's Wolf River Wetland and Restoration Greenway activity and ultimately provide for a green trail system from central Shelby County to the Frayser community and Rodney Baber Park. The park trails will further connect to other recreational access points within Shelby Farms and will create a network for Shelby County citizens to access the park amenities without the need for a motorized

vehicle (Total Support: \$5,822,181.00);

b) The Main-to-Main Multimodal Connector Project. Managed by the City of Memphis, the Main-to-Main connector provides direct bicycle and pedestrian access from downtown Memphis, TN to the City of West Memphis, Arkansas via the Harahan Bridge. The project creates a pedestrian corridor across an active railroad/highway bridge connector over the Mississippi River which allows individuals to directly bike, run, or walk from Tennessee to Arkansas across the Mississippi River. (Total Support: \$34,423,302.00)

c) Greenline and Trail Connectors - The following Greenline and trail connectors will further develop the overall platform on which the NDR application was overlaid. The Fletcher Creek Greenway, Overton Park Cooprtreet Trail, eatwreway Chleanu Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail 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/greenways which allow individuals a form of alternate travel throughout the community via walking, running, or bicycling. (Total Support: \$4,338,696.00).

d) Big Creek Drainage Study – As a result of the 2011 qualifying disasters, 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 Support: \$72,000.00)

The "Making Room for the River Project" which includes all five direct NDR activities and the activities identified as Supporting Leverage activities are targeted for completion by September 2022.

Also, Shelby County has invested its time and effort into insuring that Shelby County and its partners focus on four long term commitments to resiliency within Shelby County and the surrounding Region. The four commitments agreed to and approved by HUD during the NDR Competition are outlined as follows:

The Mid-South Regional Greenprint – The largest long term commitment to resilience, GREENPRINT 2015/2040 is a 25 year plan that envisions a region of connected communities united in creating a high quality of life, where the physical and social environments are sustainable for future generations, and where all people can access abundant economic, social and natural opportunities. During the two year planning process, over 300 residents of the Mid-South Region (representing 82 organizations) formed the Mid-South Regional Greenprint Consortium tasked to develop the GREENPRINT 2015/2040.

Throughout the process over 3,000 residents of the region shared their thoughts, priorities, and values on the Greenprint during the public engagement process. The plan focuses on 8 strategic areas directly linked to resilience and sustainability within the region as a whole. The strategic areas were: (1) an interconnected network of parks, greenways, and open spaces, (2) equitable participation and community ownership, (3) enhanced access through transportation choices, (4) healthy and safe communities, (5) improved neighborhoods and fair housing choices, (6) sustainable resources and a quality environment, (7) a productive and resilient economy. The measure used to show the commitment of Shelby County and its Regional Partners in support of the long term commitment to resilience, sustainability, and long term cooperation is the adoption of the GREENPRINT 2015/2040 by all of the regional participants involved in the development of the plan by the end of 2016. The full Greenprint can be found at the following link: <http://midsouthgreenprint.org/greenprint-20152040/greenprint-final-plan/>

Wolf River Conservancy Land Conservation Efforts – A long term commitment identified and approved under the Phase 2 application is the Wolf River Conservancy's (WRC) land conservation efforts. Prior to the publication for the NDRC NOFA, WRC protected 13,500 acres of wetlands and watershed along the Wolf River in Shelby County. Since Shelby County's Phase 1 submission, and as identified in the Phase 2 submission, the WRC has earned national recognition by the Land Trust Accreditation Commission; this prestigious status signifies WRC's conservation strategy for the Wolf River watershed is well-designed, implementable, and long-lasting. At that time, WRC had protected an additional 481 acres in the Wolf River watershed at a cost of \$1.22 million following the conservancy's science-based land conservation strategy. Acquisition of properties for conservation purposes upstream in the Wolf River watershed provides critical long-term resilience for activities downstream

proposed in the Wolf River activity of this application. As identified in Phase 2, WRC and partners will protect an additional 900 acres in the Wolf River watershed through 2016 at a cost of \$2 million.

Ready Shelby Community Preparedness Program. Also, identified as a long term commitment to resilience, the Ready Shelby community preparedness initiative educates and works with communities to prepare and respond to disasters. Ready Shelby is a collaborative initiative with support by Shelby County Government, all municipalities within the county, and the Assisi Foundation to improve emergency preparedness. The goals of the initiative are 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 with Shelby County residents.

Ready Shelby is a public awareness and education campaign to provide a rallying cry that inspires everyone to take positive, simple steps towards being prepared. Since October 2014, Ready Shelby has reached 100,000 households with public awareness materials and reached an additional 5,000 people through their events. They have spent \$750,000 on this awareness initiative since October 2014. The measurement utilized to show commitment to resilience is directly tied to the number of individuals reached during 2016, Shelby County committed to reaching another 100,000 households and making them aware of the program and providing them with access to materials under the Prepared Program.

City of Memphis Complete Streets Project Delivery Manual. Finally, the fourth activity identified as a long term commitment to resilience, involved the City of Memphis' Complete Streets Project Delivery Manual. The City of Memphis developed its project delivery manual for an existing Complete Streets policy at a cost of \$48,000. The manual was funded through the HUD Regional Planning Grant awarded to Shelby County for the GREENPRINT. This manual includes design guidelines for streets that include safe accommodations for vehicular, pedestrian, bicycle, and transit users of all ages and abilities. Once complete, all street improvements will be required to consult the manual for design and engineering treatments. This long term commitment will be measured by the adoption of the Complete Streets Project Delivery Manual in 2016.

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 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 2
0202.10 Block Group 1 0202.10 Block Group 2 0202.10 Block Group 3
0202.10 Block Group 4 0202.21 Block Group 1 0202.21 Block Group 2
0202.22 Block Group 1 0203.00 Block Group 1 0203.00 Block Group 2
0203.00 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, 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 resilience by lowering expected water surface elevations during future floods that may occur in Millington. Lowering water surface elevations will reduce or eliminate flooding of homes, businesses and public buildings compared to what would occur presently in a flood event and will greatly decrease the amount of public and private funds necessary to recover from such disasters. In addition, nuisance flooding which may not cause extensive permanent damage, but could cause significant disruption of the use of public and private infrastructure will be reduced or eliminated. Flooding not completely eliminated by this activity will be greatly reduced in extent and duration. The concept behind the Big Creek activity can be incorporated into an integrated approach to flooding problems in other areas. The model provides more room for a swelling stream during extreme storm events resulting in resilient, environmentally compatible solutions in the same space as recreational amenities for residents to use when the area is not flooded. This concept can be replicated in areas where flooding persists along a waterway and undeveloped land adjacent to the stream can be managed to increase flood flow capacity. Hydraulic studies can be performed to appropriately scale the extent of the work required to overcome the flooding problem resulting in a cost-effective investment of public funds. For example, the solutions proposed for Big Creek can be replicated along Fletcher Creek in suburban Bartlett at a much smaller scale. This intervention would have prevented damage to a nursery and nearby road flooding in the 2011 disaster, but which has since recovered. The



total cost for the Big Creek Wetland and Recreation Area is \$29,447,227.

Activity 2: Wolf River Wetland Restoration and Greenway. The Wolf River Greenway will establish open space and infrastructure elements to help make Shelby County more resilient in future disasters and floods. The average household income in the neighborhoods surrounding Rodney Baber Park is approximately 48% below the national average of \$50,157, while the residents surrounding Kennedy Park are roughly 40% to 50% below the national average thus distinguishing it as LMI according to data collected by the 2010 Census Geographies. The geographic location of this activity is located in Central Shelby County and ties together activities in and around Rodney Baber Park, Kennedy Park, Orchi Road, and surrounding communities in the Wolf River Greenway.

The service area of this overall activity is designated by all block groups in the following Census Tract locations:

0206.21 0088.00 0089.00 0091.00
0205.12 0205.11 0206.10 0009.00
0011.11 0013.00 0102.20 0205.41
0205.42 0101.20 0006.00 0008.00
0111.00

The Wolf River Wetland Restoration and Greenway functions ash36 miles from the Mississippi River through Memphis, Germantown, and Collierville in Shelby County and into Fayette County. Once complete, roughly 100,000 people will live within a 10 minute walk of the greenway and will allow both Rodney Baber and Kennedy Parks to serve as a destination for commuters and will encourage other means of transportation by providing a safe route to schools and to jobs for commuters, with direct connections to the Wolf River Greenway and enhanced access to transit shelter facilities. In conjunction with the Wolf River Conservancy's plans to improve N. Highland Street from Orchi Road to Chelsea Avenue, it will provide a direct path for the neighborhood and adjacent Jackson Avenue neighborhoods to access the Greenway.

The Wolf River Wetland Restoration and Greenway activity as a whole will become a multi-use activity center for an array of interests and educational purposes. The festival grounds will promote social cohesion by providing an alternative venue for events within the city and community while attracting individuals from different demographic areas and socioeconomic backgrounds for a common purpose. Added park amenities will offer a sense of community ownership within the area as well as provide further beautification to a neighborhood fighting to reduce blight. Finally, the activity will provide connections to the Wolf River Greenway via on and off street bike lanes and potential trails throughout the park and within the green space along TVA right-of-way.

Specific efforts within each component of this activity are as follows:

(a) Rodney Baber Park - The approximately 56 acre site will be raised above the floodplain to ensure resilience from future floods. This will include relocation of mechanical and electrical equipment above the flood elevation to prevent future flood damage. A terraced landscape approach will allow water to raise one level at a time, dissipating the initial inundation surge while excavation east of the site will add flood storage capacity and increase stormwater detention. Proposed wetlands will also collect stormwater and provide further storage capacity for flood water to infiltrate the ground or evaporate. In the future, bioswales and permeable pavers could be used in order to reduce and filter stormwater runoff.

Following the infill, the proposed concept plan for Rodney Baber Park will consist of soccer fields, a baseball diamond, and a fishing lake, a public pavilion with festival grounds, trails, a new wetland area, preservation of existing wetlands, and other recreational facilities. The site will be terraced and tie into the existing grades along adjacent TVA transmission line right-of-way. The concept plan clearly identified these amenities, and designates which ones were included in the Phase 2 application and which ones are identified for future projects.

(b) John F. Kennedy Park - The primary goal of activities at Kennedy Park is to reduce flooding downstream of the park in areas along the Wolf River with URN from the 2011 disasters. In order to reduce flooding downstream of the park and promote resilience along the river, expansion and addition of wetlands in this park will provide areas for detention and serve as a water quality buffer before water subsides. Lowering the elevation of the ground surface in existing soccer fields will create aepreseatacadetobsndrngfodeesFlmteilluteeatprinoRonyBbrPrwlbaqired from Kennedy Park. The borrow area in Kennedy Park will be converted to soccer fields that can serve as a detention basin during flood events.

(c) The Orchi Road component is a pivotal local connector between the low-income Hispanic community south of the road and other key economic epicenters within the region. The proposed activity entails berms in strategic locations to prevent future flooding to homes that were damaged when the road overtopped in similar storm events to the 2011 flood. A land parcel owned by Shelby County north of Orchi Road will be utilized to create a wetland pond to serve as a detention facility to prevent future residential flooding by storing stormwater that was flooding the roadway. Excavated material will provide fill for new berms. Orchi Road will be reconstructed as a Complete Street with bicycle facilities along the north side of the road to provide a direct connection between the surrounding LMI neighborhoods and the Wolf River Greenway via protected bike lanes on Highland St., a key GREENPRINT on-road connector.

The total cost for the Wolf River Wetland Restoration and Greenway is \$52,260,842.00 and is composed of \$34,000,000.00 in direct leverage from local sources and an NDR award of \$18,260,842.00.

Activity 3: South Cypress Creek Watershed and Neighborhood Redevelopment. The South Cypress Creek Watershed and Neighborhood Redevelopment (South Cypress Creek) is based on the key concept of "Making Room for the River" through a series of open space and infrastructure activities. Rather than create a wall between people and water, the activity embraces the water, increases awareness of risk, and steps down that risk with a series of wetlands to buffer against flooding and accommodate storm water. The South Cypress Creek activity seeks to strengthen community and social cohesion by (1) establishing community programs and (2) repurposing vacant lots through a relationship to community and economic development (retail services, social programs, and access to fresh, healthy foods). All of which were goals articulated by the community.

The service area for this activity is located in the southwestern quadrant of Memphis, Tennessee in a community that was (and has been) impacted by heavy flooding during the period governed by the 2011 disaster declaration. Specifically, the targeted service area encompasses the entirety of Census Tract 222.20 along a stretch of Mitchell Road. Key landmarks/structures located in and/or adjacent to the activity area are: T.O. Fuller State Park, Pidgeon Industrial Park, Port of Memphis, President's Island, Mitchell High School, Ford Road Elementary School, Roosevelt Park, and Mitchell Community Center.

The South Cypress Creek activity seeks to strengthen community and social cohesion by (1) establishing community programs and (2) repurposing vacant lots through a relationship to community and economic development (retail services, social programs, and access to fresh, healthy foods). All of which were goals articulated by the community.

The vacant lot program will be a comprehensive, scalable, and replicable program for reusing vacant lots for the community to: (1) to remove blight and help knit together the physical environment of the community in order to increase propertyvalueand

provide benefits from flood mitigation to food production by building capacity for urban agriculture and improved food access and potential increase in retail within the community; (2) create room for housing relocation to areas that are high and dry, (3) implement stream restoration which will restore ecological connectivity along Cypress Creek to expand stormwater capacity in order to protect the important Mitchell Road connector from closing in a flood event as it did in 2011 and (4) create a flood resilient neighborhood.

The total cost for the South Cypress Creek Watershed and Neighborhood Redevelopment is \$10,588,097.00 and is composed of \$1,600,000.00 in direct leverage from local sources and an NDR award of \$8,988,097.00.

Activity 4: Regional Resilience Plan. Development of the Shelby County Regional Resilience Plan will provide a means to tie the three NDR Activities and other similar efforts in the community to the GREENPRINT. The plan will focus on Shelby County as a whole and will identify future local and regional activities that increase resilience to shocks caused by severe storms and flooding and will consider recommendations to make Shelby County more resilient to other types of climate risk, such as heavy wind, severe snow and ice, extreme heat or cold, and drought.

The plan includes the development of a HEC-RAS model of the Loosahatchie, Wolf, and Nonconah drainage basins, including their major tributaries extending in adjoining counties and states (Tipton County, TN, Fayette County, TN, DeSoto County, MS). The model will provide information on the effect a wetland or retainage basin upstream would have on the potential flooding in the lower portions of the drainage basin. The model will be used to leverage the development of future green space and wetlands with the long term effect of reducing flooding in the areas with the most vulnerable populations.

Additionally, the model will also include methodology to predict areas that will be inundated during future flood events, including the influence of a changing climate. By incorporating prediction of rainfall in a given area, the HEC-RAS model can be used as a tool to provide a map of the potential areas which are most subject to flooding prior to storm events.

The process also includes community engagement, development of recommendations for resilience projects, design scenario development, implementation and finance strategies, and final plan development. DPD will reconvene eight working groups of partners, modeled after the GREENPRINT planning process, for two years to ensure the plan addresses interrelated strategic directions identified in the GREENPRINT plan. The Resilience Plan and its HEC-RAS Model will allow the county to recommend future projects that can serve to minimize the effect of severe storms and floods and maximize the ability to recover in Shelby County and the Region.

The total cost for the Regional Resilience Plan is \$2,100,000 and is totally funded by the NDR Grant 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 NDRC 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 provided project management and technical assistance 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 Wetland Restoration and Poetic Development 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 carry out 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 carry out activities to stabilize and enhance the living environment within 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.

Project Summary

Project #	Project Title	Grantee Activity #	Activity Title
1 - NDR	Regional Resilience Plan - NDR	1 - NDR - 01	Hydraulic Modeling
		1 - NDR - 02	Master Planning
2 - NDR	South Cypress Creek Watershed &	2 - NDR - 01	Infrastructure
		2 - NDR - 02	Flood Mitigation/Stormwater
		2 - NDR - 03	Program Capital Costs
		2 - NDR - 04	Property Acquisitions
		2 - NDR - 05	New Housing Development
		2 - NDR - 06	Engineering and Testing
3 - NDR	Wolf River Wetland & Restoration	3 - NDR -01	Orchi Road Complete Street - Infrastructure & Cons
		3 - NDR -02	Rodney Baber Park - Infrastructure & Construction
		3 - NDR -03	Kennedy Park - Infrastructure & Construction
		3 - NDR -04	Park Earthwork/Utilities/Demolition
		3 - NDR -05	Engineering and Testing
		3 - NDR -06	Property Acquisition
		3 - NDR -07	Wolf River Greenway - Infrastructure & Constructio
4 - NDR	Big Creek Wetland & Recreation	4 - NDR - 01	Land Aquisition
		4 - NDR - 02	Overbank Excavation
		4 - NDR - 03	Recreational Facilities
		4 - NDR - 04	Bridge Modifications
		4 - NDR - 05	Tree Planting
		4 - NDR - 06	Engineering for Floodway design and landscape arch
5 - NDR	Administration - NDR	5 - NDR - 01	Program Administration
6 - LTC	Long Term Commitments - LTC	6 - LTC - 01	Greenprint
		6 - LTC - 02	Long Term Commitment - Wolf River Conservancy
		6 - LTC - 03	Long Term Commitment - Ready Shelby
		6 - LTC - 04	LTC - Memphis Project Delivery Manual
7 - SL	Supporting Leverage - SL	7 - SL - 01	Greenprint Implementation and Staff Support
		7 - SL - 02	Shelby Farms Greenline and Park Trails
		7 - SL - 03	Main-to-Main Multimodel Connector
		7 - SL - 04	Greenline and Trail Connectors
		7 - SL - 05	Big Creek Drainage Study
8 - OV	Outcome Values - OV	8-OV-01-1	Shelby County OV - Resilience Plan
		8-OV-02-1	South Cypress OV - Repurposed Lots
		8-OV-02-2	South Cypress OV - Property Value Increase
		8-OV-02-3	South Cypress OV - Restoration of Cypress Creek
		8-OV-02-4	South Cypress OV - Reduced Floodplain Occupancy
		8-OV-03-1	Wolf River OV - Increased Greenway



8-OV-03-1	Use
8-OV-03-2	Wolf River OV - Attracting New Business
8-OV-03-3	Wolf River OV - Increased Wetlands
8-OV-03-4	Wolf River OV - Flood Cost Reduction
8-OV-04-1	Big Creek OV - Increased Greenway Use
8-OV-04-2	Big Creek OV - Increased Housing Value
8-OV-04-3	Big Creek OV -Tree Mitigation
8-OV-04-4	Big Creek OV - Decreased Flood Damage

9999

Restricted Balance

No activities in this project



Activities

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

Grantee Activity Number: 1 - NDR - 01
Activity Title: Hydraulic Modeling

Activity Type:

Planning

Project Number:

1 - NDR

Projected Start Date:

03/30/2017

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Environmental Assessment:

EXEMPT

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

Regional Resilience Plan - NDR

Projected End Date:

11/30/2017

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 1,300,000.00

Other Funds: \$ 0.00

Total Funds: \$ 1,300,000.00

Proposed Accomplishments

of Plans or Planning Products

Total

1

LMI%:	42.42
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 1,300,000.00



Location Description:

3 watersheds of Shelby County.

Activity Description:

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



Grantee Activity Number: 1 - NDR - 02
Activity Title: Master Planning

Activity Type:

Planning

Project Number:

1 - NDR

Projected Start Date:

03/30/2017

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Environmental Assessment:

EXEMPT

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

Regional Resilience Plan - NDR

Projected End Date:

06/30/2019

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 800,000.00

Other Funds: \$ 0.00

Total Funds: \$ 800,000.00

Proposed Accomplishments

of community engagement meetings/events

of Plans or Planning Products

Total

9

1

LMI%:	42.42
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 800,000.00

Location Description:

Shelby County, Tennessee



Activity Description:

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

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

Grantee Activity Number: 2 - NDR - 01
Activity Title: Infrastructure

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

2 - NDR

Projected Start Date:

09/01/2019

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed &

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 1,320,500.00

Other Funds: \$ 0.00

Total Funds: \$ 1,320,500.00

Proposed Accomplishments

of Linear feet of green public improvement

Total

16000

LMI%:	75.23
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 1,320,500.00

Location Description:

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

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.



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

Activity Type:

Dike/dam/stream-river bank repairs

Project Number:

2 - NDR

Projected Start Date:

09/01/2019

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed &

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 2,038,736.00

Other Funds: \$ 1,500,000.00

Total Funds: \$ 3,538,736.00

Proposed Accomplishments

of Linear miles of Public Improvement

Total

1

LMI%:

75.23

Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 2,038,736.00

Funding Source Name

City of Memphis Public Works

Matching Funds

No

Funding Amount

\$ 1,500,000.00

Location Description:

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



Activity Description:

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



Grantee Activity Number: 2 - NDR - 03
Activity Title: Program Capital Costs

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

2 - NDR

Projected Start Date:

09/01/2019

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed &

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 450,000.00

Other Funds: \$ 0.00

Total Funds: \$ 450,000.00

Proposed Accomplishments

of Acres wetlands

Total

85

LMI%:	75.23
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 450,000.00

Location Description:

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

Activity Description:



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



Grantee Activity Number: 2 - NDR - 04
Activity Title: Property Acquisitions

Activity Type:
 Acquisition - general

Project Number:
 2 - NDR

Projected Start Date:
 01/15/2018

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Environmental Assessment:
 UNDERWAY

Benefit Report Type:
 Area Benefit (Census)

Activity Status:
 Planned

Project Title:
 South Cypress Creek Watershed &

Projected End Date:
 02/15/2019

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 1,901,678.00

Other Funds: \$ 0.00

Total Funds: \$ 1,901,678.00

Proposed Accomplishments

Total acquisition compensation to owners

of Parcels acquired voluntarily

Total

1901678

14

LMI%:	75.23
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Activity is being carried out by Grantee:
 Yes

Activity is being carried out through:
 Grantee Employees and Contractors

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization
 Shelby County Government2

Organization Type
 Local Government

Proposed Budget
 \$ 1,901,678.00

Location Description:
 South Cypress Creek Watershed in Southwest Memphis, Tennessee



35.059753, -90.091317

Activity Description:

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



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

Activity Type:
 Rehabilitation/reconstruction of residential structures

Project Number:
 2 - NDR

Projected Start Date:
 07/01/2018

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:
 UNDERWAY

Benefit Report Type:
 Direct (Households)

Activity Status:
 Planned

Project Title:
 South Cypress Creek Watershed &

Projected End Date:
 07/30/2019

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 1,512,500.00
Other Funds: \$ 100,000.00
Total Funds: \$ 1,612,500.00

Proposed Beneficiaries	Total	Low	Mod	Low/Mod%
# of Households	8		8	100.00
Proposed Accomplishments	Total			
# of Singlefamily Units	8			
# of Housing Units	8			

Activity is being carried out by Grantee:
 Yes

Activity is being carried out through:
 Grantee Employees and Contractors

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
Shelby County Government2	Local Government	\$ 1,512,500.00
Funding Source Name	Matching Funds	Funding Amount
City of Memphis Housing	No	\$ 100,000.00

Location Description:



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

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.



Grantee Activity Number: 2 - NDR - 06
Activity Title: Engineering and Testing

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

2 - NDR

Projected Start Date:

03/30/2017

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:

EXEMPT

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

South Cypress Creek Watershed &

Projected End Date:

08/01/2019

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 1,764,683.00

Other Funds: \$ 0.00

Total Funds: \$ 1,764,683.00

Proposed Accomplishments

of Acres wetlands

Total

15

LMI%:	75.23
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 1,764,683.00

Location Description:

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

Activity Description:



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

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 Type: Construction/reconstruction of streets	Activity Status: Planned
Project Number: 3 - NDR	Project Title: Wolf River Wetland & Restoration Greenway
Projected Start Date: 04/01/2019	Projected End Date: 05/01/2021
Project Draw Block by HUD: Not Blocked	Project Draw Block Date by HUD:
Activity Draw Block by HUD: Not Blocked	Activity Draw Block Date by HUD:
Block Drawdown By Grantee: Not Blocked	
National Objective: Low/Mod: Benefit to low- and moderate-income persons/families	Total Budget: \$ 1,151,549.00
	Other Funds: \$ 0.00
	Total Funds: \$ 1,151,549.00
Environmental Assessment: UNDERWAY	
Benefit Report Type: Area Benefit (Census)	

Proposed Accomplishments	Total
# of Linear miles of Public Improvement	2
# of Linear feet of Public Improvement	1000

LMI%:	60.9
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 1,151,549.00

Location Description:

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

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



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

Activity Type:
 Acquisition, construction, reconstruction of public facilities

Activity Status:
 Planned

Project Number:
 3 - NDR

Project Title:
 Wolf River Wetland & Restoration Greenway

Projected Start Date:
 04/01/2019

Projected End Date:
 05/01/2021

Project Draw Block by HUD:
 Not Blocked

Project Draw Block Date by HUD:

Activity Draw Block by HUD:
 Not Blocked

Activity Draw Block Date by HUD:

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Low/Mod: Benefit to low- and moderate-income persons/families

Total Budget: \$ 1,688,645.00

Other Funds: \$ 1,500,000.00

Total Funds: \$ 3,188,645.00

Environmental Assessment:
 UNDERWAY

Benefit Report Type:
 Area Benefit (Census)

Proposed Accomplishments	Total
# of Linear feet of green public improvement	2500
# of public facilities	1
# of buildings (non-residential)	2

LMI%:	68.03
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Activity is being carried out by Grantee:
 Yes

Activity is being carried out through:
 Grantee Employees and Contractors

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
Shelby County Government2	Local Government	\$ 1,688,645.00
Funding Source Name	Matching Funds	Funding Amount
City of Memphis Public Works	No	\$ 1,500,000.00

Location Description:

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

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.



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

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2019

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway

Projected End Date:

05/01/2021

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 436,586.00

Other Funds: \$ 0.00

Total Funds: \$ 436,586.00

Proposed Accomplishments

of Linear feet of green public improvement

of public facilities

Total

1000

1

LMI%:	62
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 436,586.00

Location Description:

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



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



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

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2019

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway

Projected End Date:

05/01/2021

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 3,929,985.00

Other Funds: \$ 0.00

Total Funds: \$ 3,929,985.00

Proposed Accomplishments

of Acres wetlands

Total

5

LMI%:	62
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 3,929,985.00

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 Description:



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



Grantee Activity Number: 3 - NDR -05
Activity Title: Engineering and Testing

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

3 - NDR

Projected Start Date:

04/01/2017

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Environmental Assessment:

EXEMPT

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

Wolf River Wetland & Restoration Greenway

Projected End Date:

12/15/2018

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 1,941,677.00

Other Funds: \$ 250,000.00

Total Funds: \$ 2,191,677.00

Proposed Accomplishments

of Linear feet of green public improvement

Total

1000

LMI%:	62
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Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 1,941,677.00

Funding Source Name

City of Memphis Public Works

Matching Funds

No

Funding Amount

\$ 250,000.00

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 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.



Grantee Activity Number: 3 - NDR -06
Activity Title: Property Acquisition

Activity Type:
 Acquisition - general

Project Number:
 3 - NDR

Projected Start Date:
 03/08/2018

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Environmental Assessment:
 UNDERWAY

Benefit Report Type:
 Area Benefit (Census)

Activity Status:
 Planned

Project Title:
 Wolf River Wetland & Restoration Greenway

Projected End Date:
 07/06/2018

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 112,400.00
Other Funds: \$ 0.00
Total Funds: \$ 112,400.00

Proposed Accomplishments

Total acquisition compensation to owners
of Parcels acquired voluntarily

Total
 112400
 1

LMI%:	62
--------------	----

Activity is being carried out by Grantee:
 Yes

Activity is being carried out through:
 Grantee Employees and Contractors

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
Shelby County Government2	Local Government	\$ 112,400.00

Location Description:

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



35.198212, -89.910189

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.



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

Activity Type: Acquisition, construction, reconstruction of public facilities	Activity Status: Planned
Project Number: 3 - NDR	Project Title: Wolf River Wetland & Restoration Greenway
Projected Start Date: 09/01/2017	Projected End Date: 09/01/2019
Project Draw Block by HUD: Not Blocked	Project Draw Block Date by HUD:
Activity Draw Block by HUD: Not Blocked	Activity Draw Block Date by HUD:
Block Drawdown By Grantee: Not Blocked	
National Objective: Low/Mod: Benefit to low- and moderate-income persons/families	Total Budget: \$ 9,000,000.00
	Other Funds: \$ 31,500,000.00
	Total Funds: \$ 40,500,000.00
Environmental Assessment: UNDERWAY	
Benefit Report Type: Area Benefit (Census)	

Proposed Accomplishments	Total
# of Linear feet of green public improvement	18000

LMI%:	61.53
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Activity is being carried out by Grantee: Yes	Activity is being carried out through: Grantee Employees and Contractors
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Organization carrying out Activity:
Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
Shelby County Government2	Local Government	\$ 9,000,000.00
Funding Source Name	Matching Funds	Funding Amount
Wolf River Conservancy	No	\$ 31,500,000.00

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 Description:

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

Project # / Title: 4 - NDR / Big Creek Wetland & Recreation Area - NDR

Grantee Activity Number: 4 - NDR - 01
Activity Title: Land Aquisition

Activitiy Type:

Acquisition - general

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Activity Status:

Planned

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 640,000.00

Other Funds: \$ 0.00

Total Funds: \$ 640,000.00

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Proposed Accomplishments

Total acquisition compensation to owners

of Parcels acquired voluntarily

Total

640000

15

LMI%:	34.39
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 640,000.00

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

Located around 35.198212, -89.910189

Activity Description:

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



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

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 17,191,198.00

Other Funds: \$ 0.00

Total Funds: \$ 17,191,198.00

Proposed Accomplishments

of Acres wetlands

Total

500

LMI%:	52.61
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
Shelby County Government2	Local Government	\$ 17,191,198.00

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 Navy Road on the West
 35.198212, -89.910189

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.



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

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 5,236,797.00

Other Funds: \$ 0.00

Total Funds: \$ 5,236,797.00

Proposed Accomplishments

of Linear miles of Public Improvement

of Linear feet of Public Improvement

of buildings (non-residential)

Total

4

3

1

LMI%:	34.39
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 5,236,797.00

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
35.198212, -89.910189

Activity Description:

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



Grantee Activity Number: 4 - NDR - 04
Activity Title: Bridge Modifications

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

09/01/2019

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 1,953,027.00

Other Funds: \$ 0.00

Total Funds: \$ 1,953,027.00

Proposed Accomplishments

of public facilities

Total

4

LMI%:	52.61
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 1,953,027.00

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
 35.198212, -89.910189

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.



Grantee Activity Number: 4 - NDR - 05
Activity Title: Tree Planting

Activity Type:

Acquisition, construction, reconstruction of public facilities

Project Number:

4 - NDR

Projected Start Date:

01/01/2017

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Environmental Assessment:

UNDERWAY

Benefit Report Type:

Area Benefit (Census)

Activity Status:

Planned

Project Title:

Big Creek Wetland & Recreation Area - NDR

Projected End Date:

08/01/2020

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 125,000.00

Other Funds: \$ 0.00

Total Funds: \$ 125,000.00

Proposed Accomplishments

of Linear feet of green public improvement

Total

80000

LMI%:	34.39
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Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 125,000.00

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 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.



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

Activity Type:
 Acquisition, construction, reconstruction of public facilities

Activity Status:
 Planned

Project Number:
 4 - NDR

Project Title:
 Big Creek Wetland & Recreation Area - NDR

Projected Start Date:
 01/01/2017

Projected End Date:
 08/01/2019

Project Draw Block by HUD:
 Not Blocked

Project Draw Block Date by HUD:

Activity Draw Block by HUD:
 Not Blocked

Activity Draw Block Date by HUD:

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Total Budget: \$ 4,301,204.00
Other Funds: \$ 0.00
Total Funds: \$ 4,301,204.00

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 Area Benefit (Census)

Proposed Accomplishments	Total
# of Acres wetlands	500
# of Linear miles of Public Improvement	4
# of public facilities	3
# of buildings (non-residential)	1

LMI%:	34.39
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Activity is being carried out by Grantee:
 Yes

Activity is being carried out through:
 Grantee Employees and Contractors

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
Shelby County Government2	Local Government	\$ 4,301,204.00

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 Navy Road on the West.

35.198212, -89.910189

Activity Description:

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

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

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

Activity Type:

Administration

Project Number:

5 - NDR

Projected Start Date:

03/01/2017

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Under Way

Project Title:

Administration - NDR

Projected End Date:

09/30/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 1,648,997.00

Other Funds: \$ 0.00

Total Funds: \$ 1,648,997.00



Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 1,648,997.00

Location Description:

Shelby County Division of Planning and Development

Activity Description:

Grant Administration by Shelby County, Tennessee staff and consultants.

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

Grantee Activity Number: 6 - LTC - 01

Activity Title: Greenprint

Activity Type:

NDR - Resilience Value

Project Number:

6 - LTC

Projected Start Date:

07/01/2012

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Activity Status:

Under Way

Project Title:

Long Term Commitments - LTC

Projected End Date:

01/31/2017

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

02/01/2017 by Tyler Bridges

Total Budget: \$ 0.00

Other Funds: \$ 0.00

Total Funds: \$ 0.00



Benefit Report Type:

NA

Proposed Accomplishments

Total

of jurisdictions adopting Greenprint Plan

22

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Organization Type

Proposed Budget

Shelby County Government2

Local Government

\$ 0.00

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 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.



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

Activity Type:

NDR - Resilience Value

Project Number:

6 - LTC

Projected Start Date:

01/01/2015

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Under Way

Project Title:

Long Term Commitments - LTC

Projected End Date:

01/31/2017

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

02/01/2017 by Tyler Bridges

Total Budget: \$ 0.00

Other Funds: \$ 0.00

Total Funds: \$ 0.00

Proposed Accomplishments

of acres of wetland created/restored

Total

900

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

Location Description:

The Wolf 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 through 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 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.



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

Activity Type:

NDR - Resilience Value

Project Number:

6 - LTC

Projected Start Date:

01/01/2015

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Under Way

Project Title:

Long Term Commitments - LTC

Projected End Date:

01/31/2017

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

02/01/2017 by Tyler Bridges

Total Budget: \$ 0.00

Other Funds: \$ 0.00

Total Funds: \$ 0.00

Proposed Accomplishments

of households reached

Total

200000

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

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 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.



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

Activity Type:
 NDR - Resilience Value

Project Number:
 6 - LTC

Projected Start Date:
 01/01/2015

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Under Way
Project Title:
 Long Term Commitments - LTC

Projected End Date:
 01/01/2017

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:
 02/01/2017 by Tyler Bridges

Total Budget: \$ 0.00
Other Funds: \$ 0.00
Total Funds: \$ 0.00

Proposed Accomplishments
 # of plans adopted

Total
 1

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
Shelby County Government2	Local Government	\$ 0.00

Location Description:
 The City of Memphis, Tennessee.

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.

Project # / Title: 7 - SL / Supporting Leverage - SL

Grantee Activity Number: 7 - SL - 01
Activity Title: Greenprint Implementation and Staff Support

Activity Type:

NDR - Supporting Leverage

Project Number:

7 - SL

Projected Start Date:

12/21/2016

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

Benefit Report Type:

NA

Activity Status:

Under Way

Project Title:

Supporting Leverage - SL

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 214,000.00

Total Funds: \$ 214,000.00



Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

Funding Source Name

Greater Memphis Chamber of Commerce

Matching Funds

No

Funding Amount

\$ 57,000.00

Hyde Family Foundation

No

\$ 157,000.00

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 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.



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

Activity Type:

Rehabilitation/reconstruction of a public improvement

Project Number:

7 - SL

Projected Start Date:

09/01/2014

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Under Way

Project Title:

Supporting Leverage - SL

Projected End Date:

09/30/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 5,822,181.00

Total Funds: \$ 5,822,181.00

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

Funding Source Name

Shelby County Government

Matching Funds

No

Funding Amount

\$ 5,822,181.00

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 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.



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

Activity Type:

NDR - Supporting Leverage

Project Number:

7 - SL

Projected Start Date:

01/01/2015

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Under Way

Project Title:

Supporting Leverage - SL

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 34,423,302.00

Total Funds: \$ 34,423,302.00

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

Funding Source Name

City of Memphis Public Works

Matching Funds

No

Funding Amount

\$ 34,423,302.00

Location Description:

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

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.



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

Activity Type:

NDR - Supporting Leverage

Project Number:

7 - SL

Projected Start Date:

09/01/2014

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Under Way

Project Title:

Supporting Leverage - SL

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 4,338,696.00

Total Funds: \$ 4,338,696.00

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

Funding Source Name

Memphis Urban Area Metropolitan Planning Organization

Matching Funds

No

Funding Amount

\$ 4,338,696.00

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 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.



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

Activity Type:
 NDR - Supporting Leverage

Project Number:
 7 - SL

Projected Start Date:
 12/21/2014

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Under Way

Project Title:
 Supporting Leverage - SL

Projected End Date:
 06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00
Other Funds: \$ 72,000.00
Total Funds: \$ 72,000.00

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
Shelby County Government2	Local Government	\$ 0.00
Funding Source Name	Matching Funds	Funding Amount
Shelby County Government	No	\$ 72,000.00

Location Description:
 Big Creek and the Big Creek drainage basin in Northern Shelby County.

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.

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

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

Activity Type:
 NDR - Resilience Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Under Way

Project Title:
 Outcome Values - OV

Projected End Date:
 07/01/2019

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00
Other Funds: \$ 0.00
Total Funds: \$ 0.00

Proposed Accomplishments

of resilience plans created

Total

1



Activity is being carried out by Grantee:

Yes

Activity is being carried out through:

Grantee Employees and Contractors

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

Location Description:

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

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.



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

Activity Type:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 0.00

Total Funds: \$ 0.00

Proposed Accomplishments

of vacant lots repurposed

Total

10

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

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 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.



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

Activity Type:
 NDR - Economic Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00
Other Funds: \$ 0.00
Total Funds: \$ 0.00

Proposed Accomplishments

% increase in median property value of homes in project area

Total

3

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization
 Shelby County Government2

Organization Type
 Local Government

Proposed Budget
 \$ 0.00

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 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.



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

Activity Type:
 NDR - Environmental Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 0.00

Total Funds: \$ 0.00

Proposed Accomplishments
 # linear feet of streams restored

Total
 3000

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization
 Shelby County Government2

Organization Type
 Local Government

Proposed Budget
 \$ 0.00

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 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.



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

Activity Type:
 NDR - Resilience Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 0.00

Total Funds: \$ 0.00

Proposed Accomplishments

occupied structures in floodplain

Total

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization
 Shelby County Government2

Organization Type
 Local Government

Proposed Budget
 \$ 0.00

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 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.



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

Activity Type:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 0.00

Total Funds: \$ 0.00

Proposed Accomplishments

of users of trail system

Total

200

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

Location Description:

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

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.



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

Activity Type:
 NDR - Economic Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Low/Mod: Benefit to low- and moderate-income persons/families

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00
Other Funds: \$ 0.00
Total Funds: \$ 0.00

Proposed Accomplishments

of new businesses locating within 1/2 radius of project area

Total

2

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization
 Shelby County Government2

Organization Type
 Local Government

Proposed Budget
 \$ 0.00

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 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.



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

Activity Type:

NDR - Environmental Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 0.00

Total Funds: \$ 0.00

Proposed Accomplishments

acres of wetlands created

Total

12

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

Location Description:

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

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.



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

Activity Type:
 NDR - Resilience Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00
Other Funds: \$ 0.00
Total Funds: \$ 0.00

Proposed Accomplishments
 \$ estimated flood loss avoidance

Total
 5000

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization	Organization Type	Proposed Budget
Shelby County Government2	Local Government	\$ 0.00

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

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.



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

Activity Type:

NDR - Social Value

Project Number:

8 - OV

Projected Start Date:

12/21/2016

Project Draw Block by HUD:

Not Blocked

Activity Draw Block by HUD:

Not Blocked

Block Drawdown By Grantee:

Not Blocked

National Objective:

Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:

EXEMPT

Benefit Report Type:

NA

Activity Status:

Planned

Project Title:

Outcome Values - OV

Projected End Date:

06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00

Other Funds: \$ 0.00

Total Funds: \$ 0.00

Proposed Accomplishments

of users of trail system

Total

50

Activity is being carried out by Grantee:

No

Activity is being carried out through:

Organization carrying out Activity:

Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization

Shelby County Government2

Organization Type

Local Government

Proposed Budget

\$ 0.00

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 Description:



This outcome value anticipates a use of the new trail system Increase in the utilization of of greenways and biking trails resulting from the activity. The current base line is 0 ero with no system in place and will be measured annually as the project moves to completion. The projected us 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.



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

Activity Type:
 NDR - Economic Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00
Other Funds: \$ 0.00
Total Funds: \$ 0.00

Proposed Accomplishments
 \$ value of redevelopment

Total
 1500000

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization
 Shelby County Government2

Organization Type
 Local Government

Proposed Budget
 \$ 0.00

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 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.



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

Activity Type:
 NDR - Environmental Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00
Other Funds: \$ 0.00
Total Funds: \$ 0.00

Proposed Accomplishments
 # acres successfully reforested

Total
 400

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization
 Shelby County Government2

Organization Type
 Local Government

Proposed Budget
 \$ 0.00

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 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.



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

Activity Type:
 NDR - Resilience Value

Project Number:
 8 - OV

Projected Start Date:
 12/21/2016

Project Draw Block by HUD:
 Not Blocked

Activity Draw Block by HUD:
 Not Blocked

Block Drawdown By Grantee:
 Not Blocked

National Objective:
 Not Applicable (for Planning/Administration or Unprogrammed Funds only)

Environmental Assessment:
 EXEMPT

Benefit Report Type:
 NA

Activity Status:
 Planned

Project Title:
 Outcome Values - OV

Projected End Date:
 06/15/2022

Project Draw Block Date by HUD:

Activity Draw Block Date by HUD:

Total Budget: \$ 0.00
Other Funds: \$ 0.00
Total Funds: \$ 0.00

Proposed Accomplishments

\$ estimated value of flood loss avoided

Total

60000000

Activity is being carried out by Grantee:
 No

Activity is being carried out through:

Organization carrying out Activity:
 Shelby County Government2

Proposed budgets for organizations carrying out Activity:

Responsible Organization
 Shelby County Government2

Organization Type
 Local Government

Proposed Budget
 \$ 0.00

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 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.

Action Plan History

Version

B-13-US-47-0002 AP#1

Date

05/01/2017

