

Grantee: Tennessee

Grant: B-13-DS-47-0002

January 1, 2019 thru March 31, 2019 Performance

Grant Number: B-13-DS-47-0002	Obligation Date:	Award Date:
Grantee Name: Tennessee	Contract End Date:	Review by HUD: Reviewed and Approved
Grant Award Amount: \$44,502,374.00	Grant Status: Active	QPR Contact: No QPR Contact Found
LOCCS Authorized Amount: \$44,502,374.00	Estimated PI/RL Funds:	
Total Budget: \$44,502,374.00		

Disasters:

Declaration Number

No Disasters Found

Narratives

Executive Summary:

The third largest river in the world, the fabled Father of Waters, the mighty Mississippi River, fuels industry, recreation and tourism, creates a livelihood for thousands who live along or near its banks and has inspired countless writers and musicians. But it also wreaks havoc on those same lives and communities through flooding. It is West Tennessee's biggest asset and biggest challenge. The 2011 floods and severe storms in rural West Tennessee were no exception. Much of this flooding was in rural areas and had a significant impact on low-to moderate-income citizens. In response to the impacts caused by the historic floods, the State of Tennessee has developed a comprehensive approach, titled Rural by Nature, to address needs of rural Tennessee. The Rural by Nature application combines federal, state and local partners in a collaborative effort to create resilient rural communities in these often ignored areas. These projects not only proactively minimize loss from future flooding and related natural occurrences but will create communities that can successfully manage and recover from shocks and stressors while building their economy and their assets. Great attention is being given to developing plans that are replicable and can be used in other rural areas along all of our major rivers across the country, particularly as climate change increases the frequency and disruptive force of disasters. While they generally receive less attention in disaster planning, rural areas are the heartbeat of America. Rural areas represent 90% of America's land mass and are the heart of our food production. Rural communities formed the foundation upon which our country was built. They also contain some of our most vulnerable citizens and have high levels of poverty and unemployment. Rural children, in particular, have been disproportionately affected by the recent economic downturn. This is particularly significant since child poverty often has an impact that lasts throughout a lifetime. The target areas for Rural by Nature are no exception – they are extremely distressed and have economies that are built on agriculture and food production. Funding for the projects chosen for Rural by Nature will enable the state to proactively reduce flood losses that will inevitably occur; to preserve the natural environmental and water resources that make the communities what they are; reduce the impacts of flooding; promote economic development, tourism, agriculture and recreation; and strategically deploy available resources to make the most significant impact. The result will be economically viable communities that will be able to attract and support businesses, weather natural disasters (including floods and earthquakes) and prepare for the impacts of climate change. This requires a comprehensive planning process to ensure that the progress already made is leveraged to meet unmet needs while creating strong opportunities for recreation, tourism and agriculture, currently the mainstays of these communities. To create a comprehensive, regional program, the unmet needs are addressed by projects in two basic groups: infrastructure repairs and economic revitalization. Without resilient infrastructure repairs, the communities will continue to spend a disproportionate amount on making short-term repairs that do not offer additional protection from

Executive Summary:

uture disasters. Without the economic revitalization projects, the communities will not have an opportunity to build on their assets in a way that promotes resiliency and recovery. Although none of the NDR projects are housing activities, ECD is committed to affirmatively furthering fair housing throughout the implementation of all the NDR projects and the administration of the grant. ECD and its sub-grantees will conduct the NDR activities in accordance with the State's Analysis of Im

MID-URN Areas:

Eligible activity. Funds will be used solely for the necessary expenses related to disaster relief, recovery and resiliency. All activities proposed in Phase 2 are eligible according to Community Development Block Grant (CDBG) rules and regulations, state and federal laws, the Stafford Act, etc. Proposal incorporates resiliency. All activities proposed in Phase 2 have incorporated resiliency to future flooding, climate change, earthquakes and other potential disasters. Tennessee has developed a partnership including other state, federal and local departments, non-profits and faith-based organizations for this application that will continue to work together to determine how future projects can incorporate the themes of resiliency. National objective. With respect to activities expected to be assisted with CDBG-NDR funds, the Application has



been developed to give the maximum feasible priority to activities that will benefit low- and moderate-income (LMI) families. All projects meet a national objective. Overall benefit. The aggregate use of CDBG–NDR funds will principally benefit LMI families in a manner that ensures that at least 50 percent of the grant amount is expended for activities that benefit such persons, unless waived by Housing and Urban Development (HUD) based on a finding of compelling need. It is expected that well over 50 percent of funds will benefit LMI populations. Tie-back. Each target area and each project proposed in Phase 2 ties back to a disaster that occurred in an approved target area in 2011. One application per applicant. This is the only application that will be submitted by the State of Tennessee. Certifications. Tennessee Department of Economic and Community Development (TNECD) will comply with the certifications included in Attachment C and signed as a part of the electronic SF424. In Phase 1, The Rural by Nature project was composed of nine target areas in West and Middle Tennessee. During the development of the Phase 2 application, TNECD held multiple stakeholder meetings and consulted with professional engineers, educators, and other partners to determine the most affected areas and where the National Disaster Resilience Competition (NDRC) dollars could make the greatest impact. During these meetings it was determined that the focus for Phase 2 would be the 6 target areas in West Tennessee. Five of the target areas border the Mississippi River and the sixth has tributaries flowing to the Mississippi River; all are subject to regular flooding and experience other similar threats including the impacts of climate change and the risk of flooding and other damage from earthquakes and tornados. These are the most distressed and most impacted areas affected by the disasters that occurred in Tennessee in 2011 and early 2012. Below are the overviews of the target areas. Target Area 1 – Dyer County Eligible county: The eligible county is Dyer County. Most impacted and distressed target area: The target area census tracts are 9643, 9644, 9646 and 9648. MID URN Information: Impact – Infrastructure. The flooding in the City of Dyersburg caused damage to the sewer system in excess of \$4 million. Distress – Disaster impacted low- and moderate-income (LMI) households. The census tracts that make up the target area contain 51.25% LMI households. Disaster impacted an economically fragile area. Thrats in the target area is 9.45%, which is 152.4

MID-URN Areas:

% of the national unemployment rate (Most Distressed Characteristics). Unmet recovery need – Infrastructure. At least \$4M in unmet infrastructure need that cannot be funded through other sources is documented in the target area. Narrative: The Forked Deer River runs through downtown Dyersburg to the Mississippi River and the wastewater treatment plant is located in this area. Dyersburg has revitalized their downtown over the last few years. By becoming a Main Street community, working with gra

Key Agencies, Partners, Positions, Personnel:

Existing Management Structure

The Rural by Nature project will be led by TNECD, and Kent Archer, CDBG Director, will serve as the overall Program Manager. Joe Slaughter, Resilience Coordinator, will be the day-to-day contact for the projects. Brooxie and Kent currently manage all of the CDBG and CDBG-DR funds for the department; their staff will assist with the technical aspects of the projects. The Office of Community Programs is a part of the Rural Development division of TNECD. Other staff including regional staff working in the communities and other Rural Development staff will assist with the management of these projects.

While TNECD will manage the funding for the Rural by Nature project, the State has contracted with Stantec to assist in the overall Program Management and technical oversight tasks.

Stantec will provide management support to ensure resiliency and quality are adhered to within each activity. The Stantec Program Manager will be Steve Field, PE.

Each discipline has an assigned Subject Matter Expert (SME) who is licensed Professional Engineer (PE) and will oversee the activities that fall under their area of expertise. George Athanasakes will serve as the SME for Floodways and Trails. Paul Thomas will serve as SME for Wastewater. Amy Tolley will serve as SME for Social/Housing. Additionally, Marc Pearson, a Certified Floodplain Manager (CFM) will serve as SME for the Multi Hazard Mapping and Education. Susan Marlow will serve as Account Manager and ECD liaison to sub grantees. Cherie Akers will serve as SME for Planning.

Stantec will assist TNECD by utilizing an established Program Management framework to create cost containment and promote quality control throughout the entire Program. Stantec will employ the same framework for each of the Program activities presented in this application.

Project #1: Jackson Wastewater System Improvements - Jackson Energy Authority

Eddie O'Neill - JEA

JR Wauford & Company, Consulting Engineers, Inc. - Engineering Design
Community Development Partners, LLC - Grant Administration

Project #2: Dyersburg Wastewater System Rehabilitation - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #3: Henning Wastewater System Rehabilitation – Town of Henning

Marva Temple - Mayor, Town of Henning

A2H, Inc. - Engineering Design

Community Development Partners, LLC - Grant Administration

Project #4: Mississippi River Levee Pump Installation – West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #5: Dyersburg Wetland Creation and Recreation Facilities - City of Dyersburg

John Holder - Mayor, City of Dyersburg

Scott Ball - Construction Manager

Tiffany Heard - City Engineer

Community Development Partners, LLC - Grant Administration

Project #6: Forked Deer River Floodplain and Waterway Restoration - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Ch

Key Agencies, Partners, Positions, Personnel:

ief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #7: Jackson Flood Control - West TN River Basin Authority

David Salyers - Executive Director

David Blackwood - Chief Engineer

Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)



Project #8: Cold Creek Chute Restoration
 David Salyers - Executive Director
 David Blackwood - Chief Engineer
 Dusty Mayes - Project Manager (Kimley Horn Engineering Consultants)

Project #9: Mississippi River Corridor Overlook – Lauderdale County
 Maurice Gaines – Lauderdale County Mayor
 A2H Inc. – Engineering Design
 Community Development Partners, LLC - Grant Administration

Project #10: Hazard Mapping, Assessment, and Education - University of Memphis
 Gary Lee Patterson - Director of Education & Outreach - Center of Earthquake Research & Information
 Mark Abkowitz - Director of Vanderbilt Center for Environmental Management Studies - Vanderbilt University
 Mary MacKinnon - Grant Writer - Central U.S. Earthquake Consortium
 Kendra Abkowitz - Senior Policy Analyst - Office of Policy and Planning, TDEC

Overall	This Report Period	To Date
Total Projected Budget from All Sources	N/A	\$58,070,174.00
Total Budget	\$0.00	\$44,502,374.00
Total Obligated	\$2,394,620.29	\$8,858,434.22
Total Funds Drawdown	\$2,421,042.29	\$8,827,701.97
Program Funds Drawdown	\$2,421,042.29	\$8,827,701.97
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$3,459,886.41	\$7,219,719.04
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Progress Toward Required Numeric Targets

Requirement	Target	Actual
Overall Benefit Percentage (Projected)		100.00%
Overall Benefit Percentage (Actual)		100.00%
Minimum Non-Federal Match	\$0.00	\$0.00
Limit on Public Services	\$6,675,356.10	\$0.00
Limit on Admin/Planning	\$8,900,474.80	\$1,701,908.43
Limit on Admin	\$0.00	\$578,853.12
Most Impacted and Distressed Threshold (Projected)	\$0.00	\$0.00

Overall Progress Narrative:

Overall the activities are progressing well. The WTRBA activities have had the largest challenges with Environmental Review due to the nature of the work, but two are approved and the other two will be approved in the next quarter. One of the infrastructure activities in complete. All activities are on track to be completed within the mandated timeframe.

Project Summary

Project #, Project Title	This Report	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
LTC Project Tennessee, Long Term Commitments	\$0.00	\$0.00	\$0.00



NDR 01 JEA, Jackson Wastewater System Improvements	\$968,817.00	\$13,400,000.00	\$2,810,058.50
NDR 02 Dyersburg, Dyersburg Wastewater System	\$342,863.86	\$3,042,500.00	\$2,618,318.16
NDR 03 Henning, Henning Wastewater System	\$56,426.77	\$1,809,000.00	\$700,240.78
NDR 04 WTRBA, Mississippi River Levee Pump Installation	\$1,852.50	\$2,945,000.00	\$5,828.50
NDR 05 Dyersburg, Dyersburg Wetlands Creation and	\$246,736.06	\$4,619,100.00	\$490,964.60
NDR 06 WTRBA, Forked Deer River Floodplain and	\$262,750.00	\$5,660,000.00	\$263,387.00
NDR 07 WTRBA, Jackson Flood Control	\$0.00	\$5,860,000.00	\$878.50
NDR 08 WTRBA, Cold Creek Chute Restoration	\$1,216.50	\$185,000.00	\$1,916.50
NDR 09 Lauderdale County, Mississippi River Corridor	\$14,875.00	\$1,244,500.00	\$234,201.00
NDR 10 University of Memphis, Hazard Mapping,	\$462,376.59	\$3,576,731.00	\$1,123,055.31
NDR Administration, Administration	\$63,128.01	\$2,160,543.00	\$578,853.12
OV Project Tennessee, NDR Outcome Values	\$0.00	\$0.00	\$0.00
SL Project Tennessee, Supporting Leverage	\$0.00	\$0.00	\$0.00



Activities

Project # / **NDR 01 JEA / Jackson Wastewater System Improvements**

Grantee Activity Number: **NDR 01 JEA**
Activity Title: **Jackson Wastewater System Improvements**

Activity Category:
 Construction/reconstruction of water/sewer lines or systems
Project Number:
 NDR 01 JEA
Projected Start Date:
 12/27/2016
Benefit Type:
 Area ()
National Objective:
 Low/Mod

Activity Status:
 Under Way
Project Title:
 Jackson Wastewater System Improvements
Projected End Date:
 09/30/2022
Completed Activity Actual End Date:

Responsible Organization:
 Jackson Energy Authority

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$13,400,000.00
Total Budget	\$0.00	\$13,400,000.00
Total Obligated	\$968,817.00	\$2,810,058.50
Total Funds Drawdown	\$968,817.00	\$2,810,058.50
Program Funds Drawdown	\$968,817.00	\$2,810,058.50
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$968,817.00	\$2,810,355.50
Jackson Energy Authority	\$968,817.00	\$2,810,355.50
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

During the 2011 flood the Jackson Energy Authority Miller Avenue Wastewater Treatment Plant (MAWTP) exceeded its average daily flow of 9.3 million gallons per day (MGD) by approximately three and a half times. While many improvements were made, there are still unmet needs. This project includes three parts 1) influent structure replacement; 2) rehabilitation of the Riverside Interceptor, the primary method for collecting wastewater; and 3) redundancy in South Jackson water and sanitary sewer currently located on the bridge across the Forked Deer River where a failure would affect over 9,000 customers including most of the county's industrial facilities.

Location Description:

Southern half of Madison County. Includes the following Census Tracts.
 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14.01, 14.02, 17, 18 ,19

Activity Progress Narrative:

Phase I, which is the 54-Inch sewer rehabilitation, was completed in the Fall of 2018.
 Phase II, pump station rehabilitation construction is on-going. On-site interviews and have been conducted. Continued review of the certified payrolls.
 Phase III consists of MAWWTP improvements. Bids were approved by both ECD and the JEA Board.
 Phase IV consisted of water and sewer line river crossings. However, a scope change request was submitted and approved to construct two water line crossings and to eliminate the sewer line crossing from the project. The low bid for Phase IV improvements, which include two water line river crossings for redundancy, was approved by both ECD and the JEA Board.
 Engineering design is underway for Phase V, which includes sewer interceptor replacement/rehab.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR 02 Dyersburg / Dyersburg Wastewater System

Grantee Activity Number: NDR 02 Dyersburg
Activity Title: Dyersburg Wastewater System Rehabilitation

Activity Category:

Construction/reconstruction of water/sewer lines or systems

Activity Status:

Under Way

Project Number:

NDR 02 Dyersburg

Project Title:

Dyersburg Wastewater System Rehabilitation

Projected Start Date:

12/27/2016

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

City of Dyersburg

Overall

Total Projected Budget from All Sources

Jan 1 thru Mar 31, 2019

N/A

To Date

\$3,042,500.00

Total Budget

\$0.00

\$3,042,500.00



Total Obligated	\$342,863.86	\$2,618,318.16
Total Funds Drawdown	\$342,863.86	\$2,618,318.16
Program Funds Drawdown	\$342,863.86	\$2,618,318.16
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$342,863.86	\$1,323,198.21
City of Dyersburg	\$342,863.86	\$1,323,198.21
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The Dyersburg Wastewater System Rehabilitation project strives to repair the gravity sewer lines and manholes in the area impacted by the 2011 flood event. The system will be made resistant to flooding by retrofitting the existing manholes with water tight lids and slip lining damaged pipe to prevent I/I. This area of the City, known as "South Town", is critical to the infrastructure in Dyersburg, because 90% of all sewer in Dyersburg must pass through this basin before being discharged into the WWTP. The flooding event caused an increase in I/I and SSOs due to damage and siltation of the line.

Location Description:

Dyer County, Census Tracts 9643, 9644, 9646, and 9648

Activity Progress Narrative:

Two collection system contracts were bid and awarded that include Pipeline Repairs and Manhole Repairs: Two separate contracts for the WWTP headwork/Grit Removal and Weir were bid and awarded. The sewer pipe rehab and grit removal contracts are complete. The manhole and Weir replacement contracts are ongoing. Since the last reporting period: 1) Sewer Collection Line Repairs: final pay estimate was submitted by contractor. 2) Weir contract: closed out. 3) Manhole and Grit contracts: construction complete. Construction for this activity is complete. We anticipate rolling remaining funds into the other Dyersburg activity to help address to increased costs due to the acquisition and relocation.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

Match Sources	Amount
City of Dyersburg	\$1,000,000.00
Subtotal Match Sources	
Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



Project # / NDR 03 Henning / Henning Wastewater System

Grantee Activity Number: NDR 03 Henning
Activity Title: Henning Wastewater System Rehabilitation

Activity Category:
 Construction/reconstruction of water/sewer lines or systems

Activity Status:
 Under Way

Project Number:
 NDR 03 Henning

Project Title:
 Henning Wastewater System Rehabilitation

Projected Start Date:
 12/27/2016

Projected End Date:
 09/30/2022

Benefit Type:
 Area ()

Completed Activity Actual End Date:

National Objective:
 Low/Mod

Responsible Organization:
 Town of Henning

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,809,000.00
Total Budget	\$0.00	\$1,809,000.00
Total Obligated	\$56,426.77	\$700,240.78
Total Funds Drawdown	\$56,426.77	\$700,240.78
Program Funds Drawdown	\$56,426.77	\$700,240.78
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$615,569.32	\$700,240.78
Town of Henning	\$615,569.32	\$700,240.78
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The sewer collection system in the Town of Henning continues to experience significant infiltration issues with the problem becoming more severe since the 2010 and 2011 flood events. The infiltration of stormwater into the wastewater collection system contributes to frequent overtopping of the municipal wastewater lagoon levee system. These events weakened the integrity of the levee structure and contributed to new emergency repair attempts. This project involves lining one of Henning's older lagoons with an HDPE liner, upgrading the outfall system, utilizing Cured-In-Place pipe repairs to rehabilitate the existing sewer lines in order to permanently fix the levee and reduce I/I, and replacing failing manhole covers with water-tight covers to reduce I/I.

Location Description:

The project will benefit the entire Town of Henning.

Activity Progress Narrative:



Phase I - Sewer System Assessment (SSES) / Sewer System Evaluation: Collection line and manhole repairs are complete.
 Phase II contracts:
 Contract 1: Sewer Pipe Repairs - Initial construction is 100% complete. Finalized smoke test and manhole inspection on the additional lines and manholes per Henning request.
 Contract 2: Sewer Lift Station Repair - The contractor mobilized and started construction.
 Contract 3: Lagoon - Design on hold until Phase I final cost can be determined.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

Project # / NDR 04 WTRBA / Mississippi River Levee Pump Installation

Grantee Activity Number:	NDR 04 WTRBA
Activity Title:	Mississippi River Levee Pump Installation

Activity Category:
 Construction/reconstruction of water/sewer lines or systems

Project Number:
 NDR 04 WTRBA

Projected Start Date:
 12/27/2016

Benefit Type:
 Area ()

National Objective:
 Low/Mod

Activity Status:
 Under Way

Project Title:
 Mississippi River Levee Pump Installation

Projected End Date:
 09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
 West Tennessee River Basin Authority

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$2,945,000.00
Total Budget	\$0.00	\$2,945,000.00
Total Obligated	\$1,852.50	\$5,828.50
Total Funds Drawdown	\$1,852.50	\$5,828.50



Program Funds Drawdown	\$1,852.50	\$5,828.50
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$3,976.00	\$7,952.00
West Tennessee River Basin Authority	\$3,976.00	\$7,952.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Tiptonville is protected from flooding by the Mississippi River Levee, however during times of heavy rains the town still floods. Portable pumps are brought in regularly from outside sources to pump the flood waters. Installing permanent pumps will prevent flooding in the area. This would make the entire area more resilient and less prone to flooding, and would directly protect 21 homes and downtown Tiptonville.

Location Description:

The pump will be installed on the levee to the north of Tiptonville near the intersection of Tipton Street and Hays Street.

Activity Progress Narrative:

Plans and specifications are in the design phase. The 404 permit application was submitted to the USACE. Two easements that need to be secured have been identified. We anticipate easement acquisition and approval of plans and specs in the next quarter.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR 05 Dyersburg / Dyersburg Wetlands Creation and

Grantee Activity Number:	NDR 05 Dyersburg
Activity Title:	Dyersburg Wetlands Creation and Recreation Facilit

Activity Category:
Acquisition, construction, reconstruction of public facilities

Activity Status:
Under Way

Project Number:
NDR 05 Dyersburg

Project Title:
Dyersburg Wetlands Creation and Recreation

Projected Start Date:

Projected End Date:



12/27/2016

09/30/2022

Benefit Type:

()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

City of Dyersburg

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$4,619,100.00
Total Budget	\$0.00	\$4,619,100.00
Total Obligated	\$246,736.06	\$490,964.60
Total Funds Drawdown	\$246,736.06	\$490,964.60
Program Funds Drawdown	\$246,736.06	\$490,964.60
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$430,795.80	\$490,964.60
City of Dyersburg	\$430,795.80	\$490,964.60
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The City of Dyersburg intends to implement a comprehensive plan to improve the quality of life for its citizens, targeting the LMI population in the area of South Town affected by the flood waters in 2011. Blighted and environmentally sensitive properties affected by the 2011 flood will be converted into wetlands, greenways, and stormwater management recreational facilities. This conversion will mitigate the impact of future flood events, improve the health and wellness of citizens, provide miles of greenways for regional ecotourism, and provide safe access for non-vehicular traffic to food, medical, municipal, and philanthropic services available in downtown Dyersburg. As part of this activity the City will convert land currently in floodplain to wetlands, develop recreational facilities, including basketball courts and a soccer complex that will also serve as land for floodwater retention, and the construction a police outpost to serve the neighborhood and the recreational facilities.

Location Description:

Dyer County Census Tracts 9643, 9644, 9646, 9648

Activity Progress Narrative:

City entered into a contract with HDR to provide relocation services. The appraisals and review appraisals have been received. ECD approved the Relocation Schedule. Public meeting was conducted on Feb. 12th and on Feb. 12th and 13th, offers to purchase were presented and accepted by four property owners. These properties had no improvements. Relocation person was on site February 20th-22nd, to date no report. Offers have been made on 8 properties and 4 of the 8 properties have accepted the offers. Reagan Levee: Bid was awarded in February. PCC was conducted on Feb. 28th. Construction will be underway in the next quarter. Horner Road Bridge: Bid in January. Bids came in significantly over budget. The City is consulting with TDOT to determine is the same outcome and be achieved through a different route. Forked Deer River Park: Bid in March. Bids came in significantly over budget. The City will revise the bid plans and specs and rebid to hopefully receive more lower and more competitive bids.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of public facilities	0	0/2
# of Acres wetlands	0	0/12

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

Match Sources

	Amount
City of Dyersburg	\$1,000,000.00
Subtotal Match Sources	

Other Funding Sources

	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Project # / NDR 06 WTRBA / Forked Deer River Floodplain and

Grantee Activity Number:	NDR 06 WTRBA
Activity Title:	Forked Deer River Floodplain and Waterway Restorat

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

NDR 06 WTRBA

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Forked Deer River Floodplain and Waterway

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

West Tennessee River Basin Authority

Overall

	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$5,660,000.00
Total Budget	\$0.00	\$5,660,000.00
Total Obligated	\$262,750.00	\$263,387.00



Total Funds Drawdown	\$262,750.00	\$263,387.00
Program Funds Drawdown	\$262,750.00	\$263,387.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$637.00
West Tennessee River Basin Authority	\$0.00	\$637.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This project will create more than 800 acres of floodplain to reduce flooding for the Dyer County target area. Additionally, this project will be developed to incorporate bike and hiking trails, boardwalks, waterfowl and wildlife viewing areas, educational kiosks, easy access fishing piers, canoe access and restroom facilities.

Location Description:

The project location is in the northwest corner of Madison County, but the project beneficiaries are located in the Dyer County target area.

Activity Progress Narrative:

ERR is being completed.
 FONSI and RROF was advertised, no comments from the advertisement. Contacting agencies for comments on the project.
 The advertisement for ENPR was posted with no comments to date.
 We expect the ERR and the plans and specs for bidding to be approved next quarter.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

Match Sources	Amount
West Tennessee River Basin Authority	\$7,500,000.00
Subtotal Match Sources	

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

Project # / NDR 07 WTRBA / Jackson Flood Control

Grantee Activity Number: NDR 07 WTRBA
Activity Title: Jackson Flood Control

Activity Category: Dike/dam/stream-river bank repairs
Activity Status: Under Way

Project Number:
Project Title:

NDR 07 WTRBA

Jackson Flood Control

Projected Start Date:

Projected End Date:

12/27/2016

09/30/2022

Benefit Type:

Completed Activity Actual End Date:

Area ()

National Objective:

Responsible Organization:

Low/Mod

West Tennessee River Basin Authority

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$5,860,000.00
Total Budget	\$0.00	\$5,860,000.00
Total Obligated	\$0.00	\$878.50
Total Funds Drawdown	\$0.00	\$878.50
Program Funds Drawdown	\$0.00	\$878.50
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$878.50
West Tennessee River Basin Authority	\$0.00	\$878.50
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Flooding is prevalent in urban parts of Jackson. Large unsightly drainage areas will be converted to storm water detention and infiltration basins that mimic the function of large attractive “rain gardens” and virtually eliminate localized flooding along these streams. The structures will incorporate several features such as eradication of an invasive species, ground water infiltration, wetland creation, establishment of hardwood forests, water quality improvements, wildlife viewing opportunities, and community gardens as well as trails and greenways that connect residential and business districts. Flood risk reduction, protection of infrastructure and an improvement in quality of life for vulnerable populations are the key benefits of this project.

Location Description:

Southern+half+of+Madison+County.+Includes+the+following+Census+Tracts.

1,+2,+3,+4,+5,+6,+7,+8,+9,+10,+11,+13,+14.01,+14.02,+17,+18+,19

Activity Progress Narrative:

Project eningeer worked with the State of Tennessee National Flood Insurance Program Coordinator to get No-Rise Certifications for the construction of the Detention Structures in FEMA Designated Floodways. We expect the ERR to be submitted and approved in the next quarter.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

Match Sources

	Amount
West Tennessee River Basin Authority	\$900,000.00
Subtotal Match Sources	

Other Funding Sources

	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

Project # / NDR 08 WTRBA / Cold Creek Chute Restoration

Grantee Activity Number:	NDR 08 WTRBA
Activity Title:	Cold Creek Chute Restoration

Activity Category:

Dike/dam/stream-river bank repairs

Project Number:

NDR 08 WTRBA

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Cold Creek Chute Restoration

Projected End Date:

09/30/2022

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

West Tennessee River Basin Authority

Overall

	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$185,000.00
Total Budget	\$0.00	\$185,000.00
Total Obligated	\$1,216.50	\$1,916.50
Total Funds Drawdown	\$1,216.50	\$1,916.50
Program Funds Drawdown	\$1,216.50	\$1,916.50
Program Income Drawdown	\$0.00	\$0.00



Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$1,216.50	\$1,916.50
West Tennessee River Basin Authority	\$1,216.50	\$1,916.50
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Cold Creek Chute is a Mississippi River Oxbow Lake that is a key component of the rural economy in western Lauderdale County. This lake is used for recreation, including fishing and hunting. A rock spillway that controls summer levels failed as a result of the 2011 flood. Temporary repairs have been made but were not successful. Water levels below normal pool elevation prevent the public from accessing the lake. The proposed project will restore use of this resource and, when combined with the recreational benefits of the other projects in this county, will increase recreation and tourism opportunity.

Location Description:

Lauderdale County Census Tracts 501, 502, 503, 505.04, 505.05, 505.06, and 506

Activity Progress Narrative:

Plans and specifications are nearing completion. We expect approval of plans and specs and bidding of the project next quarter.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

Project # / NDR 09 Lauderdale County / Mississippi River Corridor

Grantee Activity Number:	NDR 09 Lauderdale County
Activity Title:	Mississippi River Corridor Overlook

Activity Category:
Acquisition, construction, reconstruction of public facilities

Project Number:
NDR 09 Lauderdale County

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

Activity Status:
Under Way

Project Title:
Mississippi River Corridor Overlook

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

Lauderdale County TN

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$1,244,500.00
Total Budget	\$0.00	\$1,244,500.00
Total Obligated	\$14,875.00	\$234,201.00
Total Funds Drawdown	\$14,875.00	\$234,201.00
Program Funds Drawdown	\$14,875.00	\$234,201.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$150,698.83	\$234,201.00
Lauderdale County TN	\$150,698.83	\$234,201.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

A conceptual plan was developed for Lauderdale County to help eliminate erosion along the bluff areas of the Mississippi River and provide tourism and recreation benefit to the area. This project involves the construction of one overlook and formalizing the conceptual plan already created into a master plan with a resilient engineering design.

Location Description:

Lauderdale County Census Tracts 501, 502, 503, 505.04, 505.05, 505.06, and 506

Activity Progress Narrative:

The final plans and specification manual for the Overlook was completed.
 The appraisal for acquisition of land for the Overlook was finalized.
 Next quarter we expect the land to be acquired and the plans and specs to be approved. Depending on the timing, the project may be to go out to bid the next quarter as well.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR 10 University of Memphis / Hazard Mapping, Education,

Grantee Activity Number: NDR 10 University of Memphis

Activity Title: Hazard Mapping, Education, and Assessment

Activity Category:

Planning

Activity Status:

Under Way

Project Number:

NDR 10 University of Memphis

Project Title:

Hazard Mapping, Education, and Assessment

Projected Start Date:

12/27/2016

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

NA

Responsible Organization:

University of Memphis

Overall

Total Projected Budget from All Sources

Jan 1 thru Mar 31, 2019

To Date

N/A

\$3,576,731.00

Total Budget

\$0.00

\$3,576,731.00

Total Obligated

\$462,376.59

\$1,123,055.31

Total Funds Drawdown

\$462,376.59

\$1,123,055.31

Program Funds Drawdown

\$462,376.59

\$1,123,055.31

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$530,109.59

\$1,123,055.31

University of Memphis

\$530,109.59

\$1,123,055.31

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

This project represents a multidisciplinary partnership between the University of Memphis, Vanderbilt University, and TDEC to develop, analyze, store and freely distribute data that can be used to plan for and create resilient strategies for some of the most vulnerable populations in the Rural by Nature study area. This



data, developed through a series of studies, will help fill a large data gap in West Tennessee that is preventing many communities from becoming more resilient. The project includes the following actions to enhance resilience in the NDR target areas.

- Mississippi River Supply Chain Risk Evaluation
- Structural Earthquake Risk Assessment for Schools
- Agricultural Flood Loss Mapping
- School Curriculum Development
- Flood Impact Assessment
- Web System Development
- Earthquake Hazards Assessment

Location Description:

This will cover all NDR target area locations.

Activity Progress Narrative:

HazMAE is at 45% completion.

Sub-Activity 1 Flood Impact Assessment: Approx 80% of the project has been completed. During the quarter activities focused on: 1) performing damage assessments based on flood scenario maps, 2) evaluating the efficacy of damage assessments 3) evaluating the extent to which candidate resilience indicators can be measured 4) formatting/finalizing flood scenario maps using Dyer Co. as the prototype.

Sub-Activity 2 HEC-RAS Flood Modeling:

Dec. 18th through Jan. 24th: An abstract was written and submitted for the upcoming 4th Annual West Tennessee Water Resources Symposium. A netcdf file was compiled. Review of forecast system for the region and the uncertainties associated is being made.

Jan. 25th through Feb. 24th: A 700 square mile sub-basin of the South Fork Forked Deer River was delineated in GIS and relevant rain gage and stream gage stations were identified in the vicinity. Programs were written in Matlab and R to extract hourly pairs of streamflow and precipitation data. A draft report was prepared for presentation at the West Tennessee Water Resources Symposium (Feb 28th).

Feb. 24th through March 25th: The time series of hourly precipitation from nearby stations were downloaded and compared for the South Fork of the Forked Deer.

The gage-corrected radar precipitation products (QPE) with hourly depth values were found on the UCAR server after contacting the NOAA team (the NWS website only contains 24 hour totals).

An abstract on West TN rivers flow regime was submitted for the 31st UofM Student Research Forum and the poster was presented on March 25th.

Sub-Activity 3 Seismic Hazard:

35% of the project is complete.

Finalizing of the Lake Co. report on our earthquake hazard mapping efforts is ongoing.

The Corps of Engineers logs have been combined with the geology logs for Dyer Co. into a database. Initial Dyer Co. 3D geology model has been finalized. Roy Van Arsdale is finalizing structural contour maps for the Quaternary to Eocene and deeper geology. The 12 Dyer Co. MASW measurements have been processed. The paper by Philip Ogwen on the EEW feasibility study for New Madrid has been accepted for publication in SRL.

One result of developing the Dyer Co. geology model is the identification of an Obion River paleochannel in the top of the Eocene sediments east of Dyersburg connecting to the Forked Deer River Drainage south of Dyersburg. The Corps of Engineers and TDOT boring data sets have been integrated into the geotechnical and geological efforts and products.

Sub-Activity 4 Mississippi River Supply Chain Management and Sub Activity 5 Structural Earthquake Risk Assessment for Schools:

Projects will become active on May 11, 2019.

Sub-Activity 6 Risk Curriculum for High School Students:

An estimated 22% of the project has been completed.

Sub-Activity 7 Interactive Hazard Database:

An estimated 19% of the project is completed.

IRB protocol under review at UoM and approved at Vanderbilt (survey for users); Developing the conceptual framework for the vulnerability assessment; Seeking data, product, output from HazMAE projects.

Meetings: True North Geographic coordination with J. Camp (ongoing). Team coordination via email and phone calls throughout February (K. Abkowitz, J. Camp, A. Hill)

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR Administration / Administration

Grantee Activity Number: NDR 12 ECD Admin

Activity Title: ECD Administration

Activity Category:

Administration

Activity Status:

Under Way

Project Number:

NDR Administration

Project Title:

Administration

Projected Start Date:

12/27/2016

Projected End Date:

09/30/2022

Benefit Type:

()

Completed Activity Actual End Date:

National Objective:

NA

Responsible Organization:

State of Tennessee

Overall

Total Projected Budget from All Sources

Jan 1 thru Mar 31, 2019

To Date

N/A

\$385,543.00

Total Budget

\$0.00

\$385,543.00

Total Obligated

\$4,042.01

\$117,783.37

Total Funds Drawdown

\$4,042.01

\$117,783.37

Program Funds Drawdown

\$4,042.01

\$117,783.37

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$4,042.01

\$34,517.64

State of Tennessee

\$4,042.01

\$34,517.64

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

Administration for all NDR activities

Location Description:



All NDR target areas in the counties of Dyer, Lake, Lauderdale, and Madison.

Activity Progress Narrative:

ECD has continued to manage the projects and keep things moving. The point person for this grant retired in March, but a new person has been hired to takeover management. She has background in mitigation planning, and she is be a strong asset to the team and the grant.

Revised metrics will be submitted to HUD next quarter. After getting further into the acitivites we realized the metrics needed revision for a new different reasons including incorrect method of measurement, measures not adequately representing the project performance, etc.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number: NDR 13 Stantec Admin

Activity Title: Stantec Administration

Activity Category:

Administration

Project Number:

NDR Administration

Projected Start Date:

12/27/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Administration

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Stantec Consulting Services Inc.

Overall

Total Projected Budget from All Sources

Jan 1 thru Mar 31, 2019

N/A

To Date

\$1,775,000.00

Total Budget

\$0.00

\$1,775,000.00

Total Obligated

\$32,664.00

\$491,802.00

Total Funds Drawdown

\$59,086.00

\$461,069.75

Program Funds Drawdown

\$59,086.00

\$461,069.75

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$411,797.50

\$491,802.00

Stantec Consulting Services Inc.

\$411,797.50

\$491,802.00

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

Administration of NDR activities

Location Description:

All NDR target areas

Activity Progress Narrative:

Stantec continues to provide front grant administration and technical support and expertise for these activities.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / OV Project Tennessee / NDR Outcome Values

Grantee Activity Number:	OV 01 JEA (ECO)
Activity Title:	Jackson Wastewater System Improvements

Activity Category:

NDR - Economic Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Jackson Energy Authority

Overall

Total Projected Budget from All Sources

Jan 1 thru Mar 31, 2019

N/A

To Date

\$0.00

Total Budget

\$0.00

\$0.00

Total Obligated

\$0.00

\$0.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$0.00

Jackson Energy Authority

\$0.00

\$0.00

State of Tennessee

\$0.00

\$0.00

Most Impacted and Distressed Expended

\$0.00

\$0.00



Match Contributed

\$0.00

\$0.00

Activity Description:

Currently average annual energy consumption is 2.97 million, a 10% reduction is projected based upon preliminary engineer assessments. JEA will collect the data.
The average number of service disruption hours is currently being calculated by JEA, there is expected to be a 5% decrease based upon preliminary engineer assessments. JEA will collect the data.
The average emergency maintenance costs are currently being calculated by JEA, there is expected to be a 5% decrease based upon preliminary engineer assessments. JEA will collect the data.

Location Description:

Activity Progress Narrative:

JEA is still working to establish baseline data for emergency maintenance costs. They have the quarterly costs, just not the data to compare against for a reduction value.
No disruption hours this quarter.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% reduction in emergency	0	8/10
% decrease in disruption hours	0	0/5
% reduction in energy costs	13	97/10

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



Grantee Activity Number:	OV 01 JEA (ENV)
Activity Title:	Jackson Wastewater System Improvements

Activity Category:

NDR - Environmental Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Jackson Energy Authority

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There will be 8000 LF of sewer repaired/replaced based on preliminary assessments and budget projections by JEA. JEA will collect the data.
 There is an average of 1.55 SSO events in the JEA system annually, based upon engineering reports a 5% reduction is expected because of the system rehabilitation. JEA will collect the data.
 The average I and I during storm events is being calculated by JEA by different level of events, an overall decrease of 5% is expected based upon preliminary engineer reports. JEA will collect the data.
 The average flow is 3100 annually based upon JEA data, a decrease of 5% is projected based on preliminary engineer reports. JEA will collect the data.

Location Description:

Activity Progress Narrative:

No qualifying storm events this quarter.
 The system experienced 2 SSOs, which is higher than the quarterly average of 1.12.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	1415	2661/2500
% reduction in flow (# gpm/cfm)	0	0/5
% reduction of	79	79/5
% reduction of sanitary sewer	100	2200/5

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 01 JEA (RES)
Activity Title:	Jackson Wastewater System Improvements

Activity Category:

NDR - Resilience Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Jackson Energy Authority

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Jackson Energy Authority	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There will be 7500 water/sewer line constructed based upon preliminary engineer reports and budget projections. JEA will collect the data.
 Current levels of service loss are being calculated by JEA, based upon engineer reports a 10% decrease is projected because of system rehab. JEA will collect the data.

Location Description:

Activity Progress Narrative:

Water line construction has not yet started,
 No loss of service this quarter.

Accomplishments Performance Measures

This Report Period	Cumulative Actual Total / Expected
Total	Total



# of linear of sewer/water line	0	0/6800
% reduction in loss of service	0	0/8

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



Grantee Activity Number: OV 02 Dyersburg (ECO)
Activity Title: Dyersburg Wastewater System Rehabilitation

Activity Category:

NDR - Economic Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Dyersburg

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Location Description:

There is currently an average of \$26,685.71 in annual emergency maintenance costs to in the Dyersburg waste water system, the projected % decrease is pending a system inventor (part of the project). The data was collected from the city of Dyersburg's records; the city will continue to collect data.

Activity Progress Narrative:

No emergency maintenance costs for the quarter.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% reduction in emergency	0	0/2500



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number: OV 02 Dyersburg (ENV)
Activity Title: Dyersburg Wastewater System Rehabilitation

Activity Category:
 NDR - Environmental Value

Project Number:
 OV Project Tennessee

Projected Start Date:
 12/27/2016

Benefit Type:
 Area ()

National Objective:
 NA

Activity Status:
 Under Way

Project Title:
 NDR Outcome Values

Projected End Date:
 09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
 City of Dyersburg

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There are currently 0 new manhole covers, there will be 50 upon completion of the project. This data was collected from budget projections from the city of Dyersburg, who will continue to collect data. The city of Dyersburg projects that there will be 2 SSO events during the life of the project. This data was collected by the city engineers of Dyersburg, who will continue to gather the data. The current average annual flow is 1160, the projected decrease during a flood event will be calculated after a system inventory. This data was collected by the city of Dyersburg, who will continue collection.

Location Description:

Activity Progress Narrative:

Elevated SSO numbers due to the rainfall that lead to a Presidentially-declared disaster. Still working to establish the criteria and baseline for a 25-year flood in Dyersburg. Nothing to report here yet.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of manhole covers replaced	70	70/50
# of sanitary sewer overflows	8	14/2
% reduction in flow (# gpm/cfm)	0	0/20

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number: OV 02 Dyersburg (RES)
Activity Title: Dyersburg Wastewater System Rehabilitation

Activity Category:

NDR - Resilience Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Dyersburg

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There is currently 0 LF of sewer line examined, there will be 43,000 LF inventoried at the completion of the project as a result of a camera verification. This data was collected by the city of Dyersburg and they will continue collection. There is not currently any sewer system plans in place, there will be 1 at the completion of the project. This data was collected by the city of Dyersburg and they will continue collection. It is projected that, as a result of the system inventory and budgeting, there will be 8,600 LF of sewer line repaired/replace at the completion of the project. This data is based on budget projections and was collected by the city of Dyersburg who will continue collection.

Location Description:

Activity Progress Narrative:

All of the these measures were previously completed.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of plans adopted	0	0/1
# of linear feet of water/sewer	0	6789/8600
# of liner feet examined	0	42576/43000

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 03 Henning (ENV)
Activity Title:	Henning Wastewater System Rehabilitation

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
Town of Henning

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Town of Henning	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

There will be 40 manhole covers replaced based upon budget projections. Henning will collect the data.
 There will be 10,000 LF of water/sewer line repaired/replaced based upon budget projections. Henning will collect the data.
 There are projected to be 8 SSOs during the duration of the contract. The town of Henning will collect the data.
 Current levels of I and I are being calculated by the town of Henning, a 20% decrease is expected to occur during storm events based upon preliminary engineer reports. The town of Henning will collect the data.
 Current levels of flow at the treatment plant is being calculated by the town of Henning, a 20% decrease is expected to occur during storm events based upon preliminary engineer reports. The town of Henning will collect the data.
 Current levels of affluent discharge is being calculated by the town of Henning, a 20% decrease is expected to occur based upon preliminary engineer reports. The town of Henning will collect the data.

Location Description:

Activity Progress Narrative:



Elevated SSO and effluent discharge numbers due to the rainfall that lead to a Presidentially-declared disaster. Still working to establish the criteria and baseline for a 25-year flood in Henning. Nothing to report here yet.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	350	3794/10000
# of manhole covers replaced	0	78/40
# of sanitary sewer overflows	11	15/4
% decrease in affluent	41	195/10
% reduction in flow (# gpm/cfm)	0	0/10
% reduction of	0	0/10

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



Grantee Activity Number:	OV 03 Henning (RES)
Activity Title:	Henning Wastewater System Rehabilitation

Activity Category:

NDR - Resilience Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Town of Henning

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Town of Henning	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Based upon preliminary engineer reports and budget projections, there will be 3 pump stations repaired/replaced. The town of Henning will collect the data.
 Based upon preliminary engineer reports and budget projections, there will be 1 containment system constructed. The town of Henning will collect the data.

Location Description:

Activity Progress Narrative:

These two activities are slated for Phase 3, which has not yet started.

Accomplishments Performance Measures

**This Report Period
Total**

**Cumulative Actual Total / Expected
Total**



# of containment systems	0	0/1
# of pump stations	0	0/3

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

Grantee Activity Number:	OV 05 Dyersburg (ECO)
Activity Title:	Dyersburg Wetland and Parks Creation

Activity Category:
NDR - Economic Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
City of Dyersburg

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Historical there have been 27,881 LF of road closures during flood events, a 12% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.
 Historical there have been 12 buildings damaged during flood events, a 1% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

Location Description:

Activity Progress Narrative:

There were 14 road closures this quarter. The baseline is reported in LF, so we are working to standardize these measures for comparison purposes. Once the baseline is established, we will be able to better measure performance trends over the life of the project.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in road closures in	0	4/12
% of buildings	0	3/5

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Grantee Activity Number:	OV 05 Dyersburg (ENV)
Activity Title:	Dyersburg Wetland and Parks Creation

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
City of Dyersburg

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
City of Dyersburg	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Location Description:

Currently there are 39 acres of green space in the project area, the increase in green space is pending acquisition and is currently unknown due to unknown costs. The data was derived from city records, and will be collected by the city of Dyersburg.

Activity Progress Narrative:

Acquisition and relocation still underway.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% Increase in number of acres	0	0/39



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	OV 05 Dyersburg (RES)
Activity Title:	Dyersburg Wetland and Parks Creation

Activity Category:
NDR - Resilience Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
West Tennessee River Basin Authority

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
West Tennessee River Basin Authority	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Historical there have been 27,881 LF of road closures during flood events, a 12% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

Historical there have been 12 buildings damaged during flood events, a 1% reduction is projected during similar events. The data was derived from engineer assessments, and will be collected by the city of Dyersburg.

There are currently 0 acres of wetland in the project area, there will be 12 acres upon project completion. The data was derived from budget projections and will be collected by the city of Dyersburg.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	0/12
% decrease in road closures in	0	0/12
% of buildings	0	0/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Grantee Activity Number:	OV 10 UofM (ENV)
Activity Title:	Hazard Mapping, Assessment and Education

Activity Category:
NDR - Environmental Value

Project Number:
OV Project Tennessee

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
NA

Activity Status:
Under Way

Project Title:
NDR Outcome Values

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
University of Memphis

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Location Description:

Currently 0% of the project area is evaluated/mapped with enhanced data, 100% will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% of project area	70	135/100



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number: OV 10 UofM (RES)
Activity Title: Hazard Mapping, Assessment and Education

Activity Category:

NDR - Resilience Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

University of Memphis

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Currently 0 acres of the project area are evaluated/mapped with improved data, 300000 acres will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data. Currently 0% of the project area is evaluated/mapped with enhanced data, 100% will be evaluated/mapped after analysis. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres with improved	50	110/300000
% of project area	38	93/100

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

Grantee Activity Number:	OV 10 UofM (SOC)
Activity Title:	Hazard Mapping, Assessment and Education

Activity Category:

NDR - Social Value

Project Number:

OV Project Tennessee

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

University of Memphis

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
State of Tennessee	\$0.00	\$0.00
University of Memphis	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Currently 0 public meetings have been held, 8 will be held upon completion of the project. The data was derived from academic research and budget projections; the University of Memphis will be collecting the data.

Currently the yet to be built website has 0 hits, it will have 10,000 upon completion of the project. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

Currently the yet to be built website has 0 document downloads, it will have 100 upon completion of the project. The data was derived from previous comparable projects and the University of Memphis will be collecting the data.

The current SOVI score will be calculated during the initial stages of the project, a 3% increase is projected based upon academic research. The University of Memphis will be collecting the data.

Currently 0 recommendations have been implemented, 3 are projected to be implemented during the life of the project. The data is based upon interactions with local government and academic research; the University of Memphis will be collecting the data.

Currently 0 resilience planning documents have been utilized, 5 are expected to be so by the completion of the project. The data is based off of academic research and conversations with local governments; the data will be collected by the University of Memphis.

There are currently 0 data products being used in school curriculums, 3 are projected to be used upon completion of the project. The data is based off of academic and educational research; the University of Memphis will collect the data.



Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Website visits	0	0/550
# of data products used in	0	0/3
# of public education meetings	1	3/3
# of resilience planning	10	90/5
# of resilience planning	0	0/3
# of website document	0	80/100
% Improved Social Vulnerability	0	0/3

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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