

Grantee: Tennessee

Grant: B-13-DS-47-0002

October 1, 2018 thru December 31, 2018

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	\$2,643,585.77	\$6,463,813.93
Total Funds Drawdown	\$2,646,251.77	\$6,406,659.68
Program Funds Drawdown	\$2,646,251.77	\$6,406,659.68
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$2,143,006.93	\$3,759,832.63
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	\$1,176,403.83
Limit on Admin	\$0.00	\$515,725.11
Most Impacted and Distressed Threshold (Projected)	\$0.00	\$0.00

Overall Progress Narrative:

Overall the grant is progressing well. We still have two activities that are finalizing the Environmental Review documents. Two other projects are in some level of acquisition, but we don't expect any issues. All the utility infrastructure projects are continuing to progress well are at least 50% complete. Each activity is on track to be completed by the grant deadline.

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	\$734,732.00	\$13,400,000.00	\$1,841,241.50
NDR 02 Dyersburg, Dyersburg Wastewater System	\$890,407.35	\$3,042,500.00	\$2,275,454.30
NDR 03 Henning, Henning Wastewater System	\$385,688.74	\$1,809,000.00	\$643,814.01
NDR 04 WTRBA, Mississippi River Levee Pump Installation	\$0.00	\$2,945,000.00	\$3,976.00
NDR 05 Dyersburg, Dyersburg Wetlands Creation and	\$371.00	\$4,619,100.00	\$244,228.54
NDR 06 WTRBA, Forked Deer River Floodplain and	\$0.00	\$5,660,000.00	\$637.00
NDR 07 WTRBA, Jackson Flood Control	\$0.00	\$5,860,000.00	\$878.50
NDR 08 WTRBA, Cold Creek Chute Restoration	\$0.00	\$185,000.00	\$700.00
NDR 09 Lauderdale County, Mississippi River Corridor	\$117,185.10	\$1,244,500.00	\$219,326.00
NDR 10 University of Memphis, Hazard Mapping,	\$490,126.97	\$3,576,731.00	\$660,678.72
NDR Administration, Administration	\$27,740.61	\$2,160,543.00	\$515,725.11
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	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$13,400,000.00
Total Budget	\$0.00	\$13,400,000.00
Total Obligated	\$734,732.00	\$1,841,241.50
Total Funds Drawdown	\$734,732.00	\$1,841,241.50
Program Funds Drawdown	\$734,732.00	\$1,841,241.50
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$734,732.00	\$1,841,538.50
Jackson Energy Authority	\$734,732.00	\$1,841,538.50
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 - 54-Inch Sewer Rehabilitation was completed in the Fall 2018. Monitoring of the Phase I labor file took place in November 2018.

Phase II - Pump Station Rehabilitation on-site construction work began in August 2018 and is scheduled for completion in early 2019. On-site interviews were conducted. Continued review of the certified payrolls conducted.

Phase III - Miller Avenue Waste Water Treatment Plant improvements plans and specifications (P&S) were completed in October 2018. The project has been advertised for bids with an opening date set for January 17, 2019.

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 addenda for the P&S for Phase IV was approved in November 2018. The project was bid on December 5, 2018. The bid award package was approved in December 2018.

Phase V - Interceptor Replacement project has not yet begun.

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

Project Number:
NDR 02 Dyersburg

Projected Start Date:
12/27/2016

Benefit Type:
Area ()

National Objective:
Low/Mod

Activity Status:
Under Way

Project Title:
Dyersburg Wastewater System Rehabilitation

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
City of Dyersburg

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$3,042,500.00



Total Budget	\$0.00	\$3,042,500.00
Total Obligated	\$890,407.35	\$2,275,454.30
Total Funds Drawdown	\$890,407.35	\$2,275,454.30
Program Funds Drawdown	\$890,407.35	\$2,275,454.30
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$890,407.35	\$980,334.35
City of Dyersburg	\$890,407.35	\$980,334.35
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:

Phase I Sanitary Sewer Evaluation Survey is completed.
Phase II: Contract I - Collection Line Repairs was completed in October 2018. Contract II - Manhole Repair is approximately 70 percent complete. This work was most recently on hold pending the delivery of manhole covers, which are anticipated to be delivered in January 2019. Contract III - Weir Replacement was completed in October 2018. Phase IV - Grit Removal System was delayed due to the availability of the specialty parts needed to manufacture the equipment. The parts were delivered in late December. Work was further delayed due to weather conditions. Work was anticipated to resume at the first of January 2019. The final change order adjustment was submitted for Contract I - Collection Line Repairs. The final payment Invoice for the Contract III - Weir Replacement was submitted.
The project was monitored by ECD and Stantec on November 28, 2018.

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	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,809,000.00
Total Budget	\$0.00	\$1,809,000.00
Total Obligated	\$385,688.74	\$643,814.01
Total Funds Drawdown	\$385,688.74	\$643,814.01
Program Funds Drawdown	\$385,688.74	\$643,814.01
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$84,671.46
Town of Henning	\$0.00	\$84,671.46
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 Evaluation Survey (SSES) is complete.
Phase II Contracts: Contract 1 - Sewer Pipe Repair construction was completed in December 2019.
Contract 2 - Sewer Lift Station Repairs are anticipated to begin in late January or early February 2019 due to delay of equipment delivery.
Contract 3 - Lagoon Upgrade design begun in November 2018.
The project was monitored by ECD and Stantec on November 28, 2018.

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

Total Projected Budget from All Sources

Total Budget

Oct 1 thru Dec 31, 2018

N/A

\$0.00

To Date

\$2,945,000.00

\$2,945,000.00



Total Obligated	\$0.00	\$3,976.00
Total Funds Drawdown	\$0.00	\$3,976.00
Program Funds Drawdown	\$0.00	\$3,976.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$3,976.00
West Tennessee River Basin Authority	\$0.00	\$3,976.00
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:

The Environmental Record Review (ERR) was submitted to ECD and approved. The LOREC and NORCC were issued on December 19, 2018.

During the past quarter, Barge and Associates (Barge) prepared the Storm Water Pollution and Prevention Plan (SWPPP) for the project since there will be greater than an acre of construction disturbance. The SWPPP will be submitted prior to construction.

It was determined that the construction activities are anticipated to be contained within the right-of-way and maintenance easement for the main line Mississippi River levee. Barge obtained a title search of the area and will include the easements on the final construction documents.

A 90% project design submittal was sent to the USACE for permitting approval on September 24, 2018. Barge received and has incorporated minor comments from the USACE October 30, 2018.

Bidding is scheduled to begin next quarter, with construction also scheduled to begin next quarter or possibly two quarters from now. with completion on or before November 2020.

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:
12/27/2016

Projected End Date:
09/30/2022

Benefit Type:
()

Completed Activity Actual End Date:

National Objective:
Low/Mod

Responsible Organization:
City of Dyersburg

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$4,619,100.00
Total Budget	\$0.00	\$4,619,100.00
Total Obligated	\$371.00	\$244,228.54
Total Funds Drawdown	\$371.00	\$244,228.54
Program Funds Drawdown	\$371.00	\$244,228.54
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$60,168.80
City of Dyersburg	\$0.00	\$60,168.80
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:

The project will have multiple construction contracts. It is estimated there could be as many as seven (7) construction contracts for this project.
 Plans and specifications (P&S) for the Reagan Levee Greenway were approved November 30, 2018. P&S for the development of Horner Road Bridge/Trail were approved December 7, 2018. Forked Deer Riverpark P&S were submitted to ECD for review in December 2019. Reagan Levee Greenway project has been advertised for bid and bids are scheduled to be open January 17, 2019.
 Request's for Qualifications for relocation services were submitted and a relocation firm was procured.

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

Activitiy Category:
 Acquisition, construction, reconstruction of public facilities
Project Number:
 NDR 06 WTRBA
Projected Start Date:
 12/27/2016
Benefit Type:
 Area ()

Activity Status:
 Under Way
Project Title:
 Forked Deer River Floodplain and Waterway
Projected End Date:
 09/30/2022
Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

West Tennessee River Basin Authority

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$5,660,000.00
Total Budget	\$0.00	\$5,660,000.00
Total Obligated	\$0.00	\$637.00
Total Funds Drawdown	\$0.00	\$637.00
Program Funds Drawdown	\$0.00	\$637.00
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:

The initial Environmental Review Record (ERR) was submitted in December. Review comments, including additional correspondence with local agencies needed, are being addressed.

A masterplan of the site and schematic design was completed to inform the ERR process. An H&H flood model was prepared for both pre- and post-site conditions. Additional design is underway.

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**

Subtotal Match Sources

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:

NDR 07 WTRBA

Project Title:

Jackson Flood Control

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:

West Tennessee River Basin Authority

Overall	Oct 1 thru Dec 31, 2018	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:

Work on the Environmental Review Record is ongoing. Anderson Flood Control topographic survey completed October 5, 2018. Overhill Flood Control topographic survey completed October 5, 2018. Sportsplex Flood Control topographic survey completed October 5, 2018. The flood control concept was approved by West Tennessee River Basin Authority on October 3, 2018. Westwood Gardens Flood Control design review meeting was held with the City of Jackson on October 24, 2018. The construction documents are 90% complete and specifications are 30% complete for all projects except the South Fork Greenway. Construction documents are 10% complete and specifications have not started for the South fork Greenway.

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	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$185,000.00
Total Budget	\$0.00	\$185,000.00
Total Obligated	\$0.00	\$700.00
Total Funds Drawdown	\$0.00	\$700.00
Program Funds Drawdown	\$0.00	\$700.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$700.00
West Tennessee River Basin Authority	\$0.00	\$700.00
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:

The Environmental Review Record was approved with issuance of LOREC and NORCC on November 7, 2018. The topographic survey was completed in October 2018. Design is approximately 95%. It is anticipated that a general USACE 404 permit will be required based on design. Barge completed the title search for the properties surrounding the site to begin the easement acquisition process.

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

Activity Status:

Under Way

Project Number:

NDR 09 Lauderdale County

Project Title:

Mississippi River Corridor Overlook

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:

Lauderdale County TN

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,244,500.00
Total Budget	\$0.00	\$1,244,500.00
Total Obligated	\$117,185.10	\$219,326.00
Total Funds Drawdown	\$117,185.10	\$219,326.00
Program Funds Drawdown	\$117,185.10	\$219,326.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$83,502.17
Lauderdale County TN	\$0.00	\$83,502.17
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:

Project activities include Phase I) Development of a Ecotourism Plan, and Phase II) construction of scenic overlook facilities. The Ecotourism Plan was completed and adopted by the County Commission. The technical design for the Scenic Overlook was completed and submitted to the County Mayor for review. The plans and specs are 100% complete, but cannot be submitted without the acquisition form. An extension request will be submitted to ECD for the plans and specifications submittal due to delay in acquisitions.

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

Project Number:

NDR 10 University of Memphis

Projected Start Date:

12/27/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Hazard Mapping, Education, and Assessment

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

University of Memphis

Overall

Total Projected Budget from All Sources

Total Budget

Total Obligated

Oct 1 thru Dec 31, 2018

N/A

\$0.00

\$490,126.97

To Date

\$3,576,731.00

\$3,576,731.00

\$660,678.72



Total Funds Drawdown	\$490,126.97	\$660,678.72
Program Funds Drawdown	\$490,126.97	\$660,678.72
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$490,126.97	\$592,945.72
University of Memphis	\$490,126.97	\$592,945.72
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:

In aggregate, HazMAE is at 37% completion.

Sub-Activity 1: Flood Impact Assessment is approximately 68% percent. During the quarter, activities focused on: 1) performing damage assessments based on flood scenario maps generated for Rural by Nature counties, 2) evaluating the efficacy of damage assessments based on available land use databases, and 3) continuing the process of evaluating the extent to which candidate resilience indicators can be measured using available data/information.

The following tasks were completed between September 20 and October 20, 2018. The study basin has been delineated in Arc-GIS and this delimitation compared with the available basin boundaries from NHDPlus (EPA) database. The rain-gage and stream gage stations available in the area have been located, along with stream networks from sources like NHDPlus, ArcGIS Open Data and NOAA. A preliminary assessment of availability of rainfall and streamflow data representing flooding events in the basin is being conducted. Furthermore, two high-precision current meters have been purchased (with funds from outside this project) for supporting stream gaging in shallower zones. The pending purchase of the ADCP (Acoustic Doppler Current Profiler) has not been approved yet.

The following Sub-activity 2 tasks were completed between in October and November: A population density hotspot map was obtained for the basin, with block level population for 2010 from IPUMS National Historical Geographic Information System. A poster is being prepared for the upcoming AGU 2018 Fall Meeting, in Washington, DC. Regarding data availability in the basin, the USGS Lower Mississippi – Gulf Water Center (Nashville, TN) was contacted about the situation of the Dyersburg gaging station following September 29, 1985. USGS stated that the USACE has been operating the site and NWS uses that data for forecasting. USACE was contacted to clarify if only stage data is being collected or also discharge, and also regarding the methodology implemented for stage forecast up to 5 days in future. The purchase of the ADCP was approved at the State of TN level, and we are proceeding with procurement.

Moving ahead with the project on Hydraulic modelling of the estimation purpose, the following tasks were completed between November 20 and December 17, 2018. Further findings were made on the methodology applied by NWS for the 5 day river flow forecasting done by this agency.

Sub-Activity 3: Seismic Hazard project is approximately 31% complete. Drafts of the introduction, geology, geotechnical, geophysical, and hazard map generation sections of a Lake County report on our earthquake hazard mapping efforts are being improved. Editing and revision is ongoing. Entering the geology logs for Dyer County into a database is ongoing. About 1,000 well records have been reviewed and entered for the geologic model so far.

On October 21, 2018, seismic field investigation locations were sited and 19 of them permitted. On October 23-25, 2018, measurements were taken at 6 of these sites.

In November, Roshan Bhattarai has digitized the Rodman terrace map for the Obion River and is reviewing digitized terrace maps for other rivers in Dyer County. Steve Horton conducted SPAC measurements for shear

wave velocity of the deeper sediments at two sites.

Steve Horton conducted SPAC measurements for shear wave velocity of the deeper sediments at another site in December. The field trip to make MASW measurements at the remaining 7 seismic field investigation locations in December had to be cancelled due to weather and conflicts.

Sub Activity 4 - Mississippi River Supply Chain Risk Evaluation will become active on May 11, 2019.

Sub Activity 5 - Structural Earthquake Risk Assessment for Schools will become active on May 11, 2019

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

	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$385,543.00
Total Budget	\$0.00	\$385,543.00
Total Obligated	\$5,131.61	\$113,741.36
Total Funds Drawdown	\$5,131.61	\$113,741.36



Program Funds Drawdown	\$5,131.61	\$113,741.36
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$5,131.61	\$30,475.63
State of Tennessee	\$5,131.61	\$30,475.63
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:

The grant activities are progressing well. We have a few items that we need HUD approval or confirm on.

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

Oct 1 thru Dec 31, 2018

N/A

To Date

\$1,775,000.00

Total Budget

\$0.00

\$1,775,000.00

Total Obligated

\$19,943.00

\$459,138.00

Total Funds Drawdown

\$22,609.00

\$401,983.75

Program Funds Drawdown

\$22,609.00

\$401,983.75

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$22,609.00

\$80,004.50

Stantec Consulting Services Inc.

\$22,609.00

\$80,004.50

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 assist as the first point of contact for these activities. They are participated in document review, monitoring of activities, and communication with ECD and the sub-recipients.

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

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	33	84/10

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



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	1004	1246/2500
% reduction in flow (# gpm/cfm)	0	0/5
% reduction of	0	0/5
% reduction of sanitary sewer	300	2100/5

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

Accomplishments Performance Measures

**This Report Period
Total**

**Cumulative Actual Total / Expected
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	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
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:

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



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of manhole covers replaced	0	0/50
# of sanitary sewer overflows	2	6/2
% 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	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
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:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of plans adopted	0	0/1
# of linear feet of water/sewer	2479	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	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
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 plantr 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:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of water/sewer	3444	3444/10000
# of manhole covers replaced	78	78/40
# of sanitary sewer overflows	1	4/4
% decrease in affluent	50	154/10
% 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 06 WTRBA (RES)
Activity Title:	Forked Deer River Floodplain and Waterway Restorat

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

There will be 800 acres of wetland restored/created during the duration of the project, this is based upon budget projections. WTRBA will collect the data.

There will be 2 acres of brownfields converted to wetlands during the duration of the project, this is based upon budget projections. WTRBA will collect the data.

The projected usage of migratory birds, in the yet to be built wetlands, will be calculated by WTRBA during the early stages of the project. WTRBA will collect the data.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	0/800
# of brownfield acres converted	0	0/2
% increase in use by migratory	6	6/25

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 09 Lauderdale (ECO)
Activity Title:	Mississippi River Corridor Outlook

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:
Lauderdale County TN

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Lauderdale County TN	\$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 tourism plans in the project area, there will be 1 plan as a result of our actions. The data was derived from the county government.
There are currently 0 visitors to the to be built senic overlook, there will be a 5% increase in visitors to the county after construction. The data was derived from estimates based upon road traffic projections.

Location Description:

Activity Progress Narrative:

Accomplishments Performance Measures

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



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Grantee Activity Number:	OV 09 Lauderdale (SOC)
Activity Title:	Mississippi River Corridor Outlook

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:

Lauderdale County TN

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Lauderdale County TN	\$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 tourism plans in the project area, there will be 1 upon completion. The data was derived from conversations with the local county government.

There are currently 0 school trips to the yet to be constructed scenic overlook, there will be 40 upon completion. The data was derived from conversations with the local county government.

There are currently 0 special events at the yet to be constructed scenic overlook, there will be 6 upon completion. The data was derived from conversations with the local county government.

Location Description:

Activity Progress Narrative:



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of school field trips	0	0/5
# of special events held	0	0/6
# of tourism plans adopted	1	1/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
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	45	65/100



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	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
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	40	60/300000
% of project area	35	55/100

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	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
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	2	2/3
# of resilience planning	0	80/5
# of resilience planning	0	0/3
# of website document	80	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	