

Grantee: Virginia

Grant: B-13-DS-51-0001

October 1, 2018 thru December 31, 2018 Performance



Grant Number:

B-13-DS-51-0001

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

Virginia

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

Reviewed and Approved

Grant Award Amount:

\$120,549,000.00

Grant Status:

Active

QPR Contact:

Traci Munyan

LOCCS Authorized Amount:

\$120,549,000.00

Estimated PI/RL Funds:

\$20,000.00

Total Budget:

\$120,569,000.00

Disasters:

Declaration Number

No Disasters Found

Narratives

Executive Summary:

The Commonwealth of Virginia has embraced the opportunity to apply to the US Housing and Urban Development's (HUD) National Disaster Resiliency Competition (NDRC). Virginia seeks to: (1) address unmet recovery needs in the most impacted and distressed areas of its Hampton Roads region, which suffered damage from the qualifying disaster, Hurricane Irene, in 2011, and (2) facilitate the longer-term resilience of the region in response to extreme weather events, recurrent flooding, and sea level rise. Innovation is found in Virginia's holistic regional resiliency approach that extends beyond infrastructure to encompass community and economic development. That is, the development of infrastructure and water management approaches will be informed by, and work in concert with, enhancing the health and wellbeing of citizens and stimulating economic growth. We will be building resilience in our population and leverage these changes as an economic accelerator. This innovative living with water approach, called "thRIVE: Resilience In Virginia," aligns with HUD's National Objective to directly benefit low- and moderate-income persons and households by focusing on unmet recovery needs, as well as build regional resiliency capacity to manage extreme weather events and adapt to sea level rise.

Governor Terry McAuliffe has selected the Commonwealth's Department of Housing and Community Development (DHCD) to coordinate development of its NDRC application. DHCD encompasses a wide range of services and frequently collaborates across disciplines to serve vulnerable populations. The agency has partnered with state, regional and local government, academia, business and nonprofit entities to design an approach that will cultivate resilience. Under the leadership of DHCD, the Commonwealth, its qualifying localities and stakeholders have collaborated to create such an approach to resilience. Since Phase II of the NDRC competition, HUD has awarded the Commonwealth of Virginia \$120,549,000 to implement Norfolk's Ohio Creek Watershed project and a Business Incubator / Accelerator (called Costal Community Resilience, Inc. doing business as RISE) to support resiliency efforts and spur economic development for the entire region. In addition to NDRC HUD award, between Norfolk and the Commonwealth of Virginia \$69,232,862 in Direct Leverage and \$70,923,836 in Supporting Leverage has been committed to the region and the commonwealth's various resiliency efforts.

Rising sea level and increasing frequency and severity of storms and rain will necessitate the redesign of coastal communities to more effectively manage water. This redesign provides an opportunity for cities, like Norfolk to use water and water management system (to block, hold, channel, absorb, clean and release water) as catalysts to economic development and community revitalization. The Ohio Creek Watershed project selected for the NDRC funding involves a layered approach to dealing with the impact of flooding and sea level rise in a coastal area. The project will show how green and grey infrastructure, working together can create a community that can live with water in a future of rising tides.

RISE's mission is to accelerate global market activity by developing a regional "living laboratory" to test innovation, and to facilitate partnerships and collaboration in the resilience and coastal adaptation fields that I

Executive Summary:

eadto economic growth in the Hampton Roads region.

See Supplemental Document for DHCD's Fair Housing Policy Virginia's under the Administration Activity (01-NDR-ADMIN01).

MID-URN Areas:

The Ohio Creek Watershed project located in the city of Norfolk was selected for the NDRC funding. The area contains census tracts 46 and 47 which include two fully built-out neighborhoods of Grandy Village and Chesterfield Heights. The area is bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west. The area contains a total population of



3,270 persons. Of this population, approximately 76% households are LMI.

In this area Norfolk will use the increasing exposure to significant flood and rising sea levels that necessitates physical change as an opportunity to remake the landscape to live and thrive with water. Both neighborhoods and surrounding areas experience regular flooding from river water washing over the coast line and heavy precipitation events. In this area, as in many others in the region, river water is pushed up the drainage system in storms, flooding low-lying areas and preventing rainfall from draining out of neighborhoods. Even during normal tide conditions in the river, these very old, undersized and submerged storm water pipes cannot convey run-off to the river in one of the increasingly frequent heavy rainfalls. The result is water ponding in streets, sidewalks and residents' basements on a monthly basis. In extreme high tides with heavy rains, streets in the area are impassable and houses flood. During Norfolk's multi-year community engagement process, "residents were clear" that the areas' additional unmet needs for resilience go beyond repair to water damage from Hurricane Irene to include their physical, economic, and social disconnection from the rest of the city. Residents further identified concentrated poverty, environmental degradation, risk to historic housing and lack of access to waterfront parks and other amenities among key challenges. To address the area challenges, the Ohio Creek project will implement distributed, replicable, and community-oriented approach to resiliency. It includes a system of innovative parcel- street- and neighborhood-level solutions such as green and grey infrastructure projects combined with the development of coastal living shoreline to address the area's current and future flooding issues. In addition, this integrated flood control system will make coastal residents active participants in water management, create green spaces to hold and absorb excess water while filtering it to remove pollutants, and create natural walking trails that reconnect the neighborhoods. The expanded green and open space needed to hold water will provide residents with recreational amenities, creating neighborhoods where people choose to live. Residents are working with City staff to ensure that the grant does more than just improve the infrastructure, but ensures connectivity, economic opportunity and amenities for all the residents of the neighborhood and the city. While the adjacent Newton's Creek Watershed project was not selected for the NDRC funding, the City and its partners are committed to implementing the plan proposed in the NDRC application over the long term. The adjacent Newton's Creek Watershed will also continue to be part of the overall NDRC program due to its hydrological interconnectivity with the NDRC-funded census tract 47 located in the Ohio Creek project area.

MID-URN Areas:

RISE, the second project selected for the NDRC funding, will serve as a regional economic development center that supports technical and organizational to help businesses respond to sea level rise, recurrent flooding, and extreme weather events while ensuring access to and better management of water resources. RISE's vision is to position Hampton Roads as the global leader in addressing these threats by developing strategies, policies, and products that allow the region to continue to grow.

Key Agencies, Partners, Positions, Personnel:

THE COMMONWEALTH OF VIRGINIA. The Commonwealth of Virginia brings many years of proven experience successfully managing disaster recovery to its National Disaster Resilience Competition (NDRC) grant funding application. Virginia ranges from the Blue Ridge Mountains to the Chesapeake Bay, and this geographical diversity engenders a variety of natural disasters including hurricanes, tornadoes, severe winter storms, and geological hazards like landslides and earthquakes. Within the Hampton Roads region, a main consequence of weather disasters is flooding. Virginia must also be prepared for manmade threats, such as radiological and HazMat problems, and terrorist incidents, given its concentrations of military installations, and major port and rail operations.

The Virginia Department of Emergency Management (VDEM) is responsible for disaster management and building resiliency, including assessing vulnerabilities, mitigating hazards, planning and coordinating assets and resources, and emergency services. Critical skills for resilient disaster recovery include: the ability to assess vulnerability and define needs; to identify long-term resilient solutions; to conduct a Benefit-Cost Analysis; knowledge of construction and GIS; program and fiscal management experience; ability to interpret state/federal regulations; and communication skills for planning and outreach to citizens.

Historically, Virginia's mitigation programs have assisted communities by sponsoring individuals for projects like acquisition of flood-prone properties, elevations of homes, flood-proofing of businesses, and localized storm water management projects, and the state typically provides 20% of the 25% required non-federal match for mitigation projects. Per FEMA, on average, every dollar spent on mitigation returns four dollars, excluding community and business continuity, environmental benefits, or the homeowner benefit of lower flood insurance costs.

Virginia has awarded localities and Planning District Commissions over \$33,000,000 in total project costs through FEMA disaster and non-disaster grants since August 2012. Based on the FEMA measure, the value of direct mitigation for the last three years exceeds \$132,000,000. Addressing Climate Change and Sea Level Rise. In 2008, Governor Tim Kaine created the Virginia Commission on Climate Change to study climate change, increasing extreme weather events, and SLR. It found a decline or disappearance of key Chesapeake Bay species, increased damage from more frequent and severe storms, and the spread of vector-borne diseases like West Nile virus.

In July 2014, the current governor, Terry McAuliffe, convened the Governor's Climate Change and Resiliency Update Commission, which developed these recommendations: 1) Establish a Climate Change and Resilience Resource Center, 2) Create a Virginia Trust for Energy and Resilience, 3) Establish a renewable energy procurement target for Commonwealth agencies, 4) Adopt a zero emission vehicle program, and 5) Leverage federal funding to make coastal communities more resilient. Decision-making is also informed by the Secure Commonwealth Panel's Recurrent Flooding Subpanel, the Center for Coastal Resources Management at Virginia Institute of Marine Science (VIMS), the Coastal Policy Clinic at William & Marement Program, and the Floodplain Management Program.

Additional Actions. In 201

Key Agencies, Partners, Positions, Personnel:

ted the Secretary of Public Safety and Homeland Security, Brian Moran, as the Commonwealth's first Chief Resiliency Officer and the single point of contact for resiliency issues. Secretary Moran's office subsequently began to revamp emergency planning and disaster relief in eastern Virginia, addressing deficiencies identified by the governor.

Innovation and Entrepreneurship. Virginia also recognizes the critical role of the economy in building resiliency. Virginia universities generated 1.94 startups per million residents in 2013, and Governor McAuliffe has made building a strong entrepreneurship support system a priority. Recently, the Governor announced the winners of the first-ever Virginia Velocity



Business Plan Competition, which provided \$850,000 to five bioscience and energy companies planning to expand their business in Virginia. DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT (DHCD). Governor McAuliffe has designated the Virginia Department of Housing and Community Development (DHCD) as the lead agency for Virginia's NDRC application. DHCD has significant experience with major projects and will also serve as grant administrator and project implementation manager upon award. As the primary point of contact for programmatic and contractual obligations, DHCD will be responsible for grant oversight, fiscal and budgetary controls, and inter-community coordination.

DHCD partners with Virginia communities to develop their economic potential, regulates the state's building and fire codes, provides training and certification for building officials, and invests more than \$100M each year into housing and community development projects throughout the state – and most are designed to support low-to-moderate income citizens. The department also runs a number of programs aimed at preventing homelessness and advancing homeownership, and provides a range of multi-purpose community development grants for a variety of community needs

Past Experience of the Applicant. DHCD is committed to creating safe, affordable, and prosperous communities in which to live, work and do business in Virginia. The agency strategically invests financial and technical resources into affordable housing and development projects to attract private sector development and further investment. By promoting regional economic collaborations in economically distressed areas, DHCD stimulates job creation, builds community capacity, and empowers residents. DHCD also supports small business and entrepreneurs, incorporating community assets into revitalization strategies to restructure economies and create vibrant and competitive communities.

The agency serves many of Virginia's most vulnerable individuals, including the homeless and special needs populations, and collaborates with partners to offer more creative community-based housing response systems and to provide integrated community housing options for persons with intellectual, developmental, and physical disabilities.

General Administrative Capacity: DHCD has extensive experience managing federal resources, including HUD-funded programs to such as the HOME, the State Community Development Block Grant Program (CDBG), Neighborhood Stabilization, Emergency Solutions, Housing Opportunities for Persons with AIDS, and when appropriated, Disaster Recovery, and other programs.

Key Agencies, Partners, Positions, Personnel:

Hampton Roads, converge at the mouth of the Chesapeake Bay. The rivers extend watery fingers into the seven cities that surround the harbor: Newport News, Hampton, Portsmouth, Norfolk, Suffolk, Chesapeake, and Virginia Beach. This strategic location makes the region economically critical to the Commonwealth: it is home to both Naval Station Norfolk, the largest naval base in the world, and the Port of Virginia, the largest ship building and repair complex in US. Hampton Roads is a nexus of trade for the eastern third of the US and a security center for the world. While Virginia may not partner with federal entities for the NDRC, the military is nonetheless an informal partner, and resilience efforts are well coordinated at state, regional and local levels with military commands in Hampton Roads.

Hampton Roads Planning District Commission (HRPDC). As the regional planning agency for 17 local government members, HRPDC has regularly convened localities to discuss coastal flooding and SLR adaptation since 2008. In March 2014, HRPDC created a Special Regional Committee on Recurrent Flooding and Sea Level Rise to foster resilience on a regional scale. Committee members represent Hampton Roads localities, universities, the Army Corps of Engineers, and numerous environmental organizations. In December 2014, the regional group approved a proposed resolution to encourage localities to adopt new freeboard requirements. Currently, HRPDC is developing Hampton Roads' first regional strategic plan, Envision Hampton Roads, based on extensive community input. The HRPDC is well-positioned to coordinate and support public participation in a regional resilience dialogue.

Regional collaboration has been further advanced by the June 2015 "Virginia Dutch Dialogues" workshop, modeled on a workshop held in post-Hurricane Katrina New Orleans. Sponsored by the Dutch Embassy and supported by a four-month regional preparation process, the cross-disciplinary workshop was an intensive, multi-day event with over 60 regional stakeholders, including Norfolk, Hampton, Newport News, HRPDC, regional universities, and community organizations.

CITY OF NORFOLK. Partner's Past Experience. Norfolk is the second largest city in Virginia and has been a key part of America's history, commerce, and innovation, most recently as a national leader in the field of resilience. In 2008, Norfolk city administrators began to analyze its re-current flooding and SLR issues, and completed a citywide assessment to help prioritize problem areas, identify potential flooding scenarios, and define objectives for various remediation flood defense improvements. The next year, a severe Nor'easter confirmed that flood defense and mitigation is a critical issue for Norfolk. Flooding was formally acknowledged as a main priority in 2011 with the establishment of Team Norfolk, which drew members from across all sectors: public, private, nonprofit, higher education and military. Over the next two years, Team Norfolk produced the first effort at a comprehensive, community-wide approach to preparedness and resilience. The group meets monthly, continuing its cross sector resilience collaboration.

Norfolk has actively sought funding to increase resilience and successfully applied to the first round of the Rockefeller Foundations 100 Resilient Cities (100RC) Initiative in 2013. The two year 100RC grant provides a wealth of resources, including funding for

Key Agencies, Partners, Positions, Personnel:

ing for Norfolk's first (and world's third) Chief Resilience Officer (CRO), access to renowned international experts, and membership in a cohort of global cities with similar challenges. Norfolk's 100RC efforts focused on analyzing the city's three major challenges: SLR and recurrent flooding; a shifting economy, and a need to build strong, healthy neighborhoods. The CRO and her team conducted extensive research and consultations, engaging stakeholders to understand the city's needs, challenges and opportunities. The project culminated in October 2015, with the launch of Norfolk's Resilience Strategy, which will guide the city in its shift to a successful coastal community of the future.

Norfolk also partnered with Sandia National Laboratories to assess the potential economic impact of a severe storm on the region's key assets and on the resultant economic impact on the nation. This far reaching research has helped to inform planning for SLR in Norfolk and the Hampton Roads region. Funding for Virginia's proposed NDRC projects will support Norfolk in pursuing its new Resilience Strategy, as well as collaboration with neighboring cities to improve resilience at the regional level.

Cross Disciplinary Capacity. Norfolk routinely coordinates implementation of its wetland and shoreline restoration projects, as well as hard infrastructure projects, with federal, regional and local partners such as the US Army Corps of Engineers (USACE) and the Elizabeth River Project. The city also has extensive experience with successful neighborhood revitalization and affordable housing through its long partnership with the Norfolk Redevelopment and Housing Authority (NHRA).



Technical Capacity. Norfolk has a long record of successfully implementing a variety of projects similar in scale, scope and complexity to those the Commonwealth proposes. The city's Department of Public Works, in close collaboration with Norfolk's Resilience Office, will primarily be responsible for NDRC project management. In the past three years, Public Works has managed \$267M in infrastructure projects, including construction of the Court House and the flagship Slover Library.

Since Hurricane Irene, the city's storm water department completed 27 storm water-related Capital Improvement Projects (CIP) and city-wide flood vulnerability assessments valued at over \$17M. Norfolk invested \$3.5M to raise a tidal flood-prone arterial road to the Midtown Tunnel and ensure the Sentara Norfolk Hospital complex, the area's only level-one trauma center, is accessible during flooding. The city further improved resiliency by tripling its wetland areas from 60,846 ft² in 2011, to 217,070 ft² in 2014. Since September 2014, the city has also undertaken several major living shoreline restoration projects valued at over \$9.3M, with pathway elevations that are a recreational amenity. Capacity for Community Engagement and Inclusiveness. The City of Norfolk ensures input from residents, especially low income and other vulnerable residents, through extensive outreach via full-time Neighborhood Specialists who are assigned to city neighborhoods. Recent examples of extensive stakeholder engagement include a 100RC resilience assessment, new bikeway plan, ongoing code revision, and the design of new public schools. The historic field heights target area, Norfolk is building a community led design initiative

Key Agencies, Partners, Positions, Personnel:

initiated by regional partners Wetlands Watch, Hampton University, and Old Dominion University as the foundation for the proposed new water management design.

Management Team and Key Staff. Management positions and staff responsible for day-to-day operations, implementation, and monitoring CDBG-NDR projects include:

City of Norfolk Staff:

Christine Morris, Chief Resilience Officer, will be responsible for the overall program management. She has over 25 years' experience in community development and revitalization. The CRO's Office will be an integral part of the project management team.

Katerina Oskarsson, Ph.D., Deputy Resilience Officer, will assist CRO with the overall program management.

David Ricks, P.E., Director of Public Works, will oversee project management. He has over 34 years in both program and construction management, infrastructure planning, and financial administration

Scott Smith, PE, LS, Coastal Resilience Manager, will be responsible for project management. He has over 28 years of extensive experience in storm water management, infrastructure design, and construction.

Karen Colombo, Manager of Budget & Accounting, Public Works Department, will manage financial aspects of the grant administration.

Shenette Felton, Assistant Director, Finance Department, will manage financial aspects of the grant administration.

Key Consultant Staff:

Amy Courville, Project Manager, CB&I, and her team will assist the City with the overall project management, including communications and project team coordination, administration of project management software, schedule development, timesheet and budget tracking

Phillip Kash, Project Manager, HR&A Advisors, and its main sub-contractor GCR will assist the City with CDBG-DR/NDR regulatory compliance, CDBG administration, development of organization framework, financing strategies, and project design.

Kyle Graham, Project Manager, Arcadis and its main sub-contractor Waggonner & Ball represented by David Waggonner, Design Director, will be responsible for design and engineering services.

Chris Frye, Project Manager, VHB, will assist the City with environmental review services.

RISE

Partner's Pat Experience. RISE is a no-profit organization establishing a series of strategic initiatives in the resilience field. RISE's vision is to position Hampton Roads as the global leader in addressing the impacts of sea level rise, recurrent flooding, and extreme weather events by developing strategies, policies, and products that allow the region to continue to grow. RISE was incorporated in June 2016, and filed for 501(c) 3 Status in January 2017.

RISE's mission is to accelerate global market activity by developing a regional "living laboratory" to test innovation, and to facilitate partnerships and collaboration in the resilience and coastal adaptation fields that lead to economic growth in the Hampton Roads region.

The region is galvanizing to address these impacts. Significant work by regional academic, public, and private sector actors to find solutions to evolving conditions is underway. The region already is making significant investments to mitigate the impacts of sea level rise. Investors in these efforts include residents, business

Key Agencies, Partners, Positions, Personnel:

programs including Weatherization Assistance, Low-Income Home Energy Assistance Program, and the Rural Community Development Initiative. DHCD staff are well-equipped to navigate federal crosscutting and housing-related requirements, including the Environmental Review Process, Section 3, Labor Standards, Lead, the Uniform Allocation Act, and Fair Housing. Staff have significant experience working in both the Integrated Disbursement and Information System, and the Disaster Recovery Grant Reporting System, and are cross-trained to provide back-up coverage as needed. DHCD staff are currently working with the Council of State Community Development Agencies and HUD on the development of an Affirmatively Furthering Fair Housing assessment tool for use by states.

The HUD Neighborhood Stabilization Program (NSP) is a high profile program developed to help communities stabilize neighborhoods impacted by foreclosure and abandonment that illustrates DHCD's ability to effectively carry out a highly leveraged, time-sensitive priority program. The Virginia NSP successfully acquired, rehabilitated, and resold over 300 homes, generating close to \$50M in program income that is reinvested to sustain program operation. DHCD provided resources and coordinated the efforts of 25 local governments and nonprofits that assist homeowners facing foreclosure.

Another program, the Virginia Enterprise Zone, a state and local government partnership, incentivizes job creation and private investment in designated Virginia Enterprise Zones. In 2014, it attracted \$245.6M in new private investments in distressed communities, a 21 % increase over 2013.

Cross Disciplinary Capacity. DHCD is responsible for managing state CDBG funds, federal and state housing programs, disaster



recovery assignments, and other major federal and state programs; all require cross-disciplinary work. Agency projects depend on effective coordination of multiple public and private sector functions, teams, and disciplines, including planning, design, engineering, environmental, and socio-economic approaches. DHCD also oversees many of Virginia's storm disaster management, public works, environmental quality, building and fire code regulation, and economic revitalization projects.

DHCD's approach to the innovative Building Collaborative Communities program coordinates the resources of multiple state agencies, private sector partners, educational institutions, community groups, and individuals. These partners focus on strategic economic development outcomes, such as job creation, economic development, and increasing community capacity and leadership in economically distressed areas. Experience with Collaboration and Coordination for Large Projects. DHCD's approach to project management is a collaborative model. Citizen participation is key to the team's success, and each management team includes area residents. DHCD is an active member of the team and facilitates development of the project work plan and contract.

An example of a large-scale community revitalization development strategy and systems change is DHCD's leadership in transforming delivery of homeless services from a strictly shelter-based system to a collaborative community-based system that is responsive to emergency needs.

Key Agencies, Partners, Positions, Personnel:

Virginia's overall homelessness decreased by 23% from 2010 to 2015 as did family homelessness. Veteran homelessness decreased by 31% from 2012 to 2015. This successful transformation of its homeless services system is a national model: community based solutions and rapid re-housing have functionally ended veteran homelessness in Virginia.

Technical Capacity. DHCD encompasses a wide range of programs and services, and its technical capacity is unusually broad. In addition to the community-based programs previously described, DHCD understands the need of vulnerable populations. For example, the HOME Affordable and Special Needs Housing program preserves housing for low-income persons; LMI renters and homeowners are assisted through the Down Payment Assistance, Savers, and Emergency Home and Accessibility Repair programs; and business start-up and revitalization is supported via the Community Business Launch, CDBG, and Industrialized Revitalization Fund programs. DHCD also has oversight of the Virginia Uniform Statewide Building Code and the Virginia Statewide Fire Prevention Code, and promotes incentives available for Green-Building and Energy Efficiency. Virginia is recognized by the Insurance Institute for Business & Home Safety as having the top-rated building codes among hurricane prone states.

DHCD's program experience has made the agency nimble. When DHCD Weatherization Assistance Program funding increased almost overnight from roughly \$10M to \$100M, DHCD quickly ramped up its delivery system, adding staff and increasing local provider capacity. While developing a more robust training center, the agency established new partnerships with the community college system to quickly prepare the necessary workforce. Innovations such as a new centralized and coordinated system facilitated application intake and review, project and budget management, invoicing and reporting, transparency and efficiency. DHCD will draw on this flexibility in administering NRDC grant funding.

Capacity for Community Engagement and Inclusiveness. Through its administration of HUD and other social service programs, DHCD regularly works with vulnerable and special needs populations. Most DHCD-administered programs require public participation, and the agency holds public meetings that encourage citizens to participate in the process. Community-based meetings are widely publicized through local advertisements, flyers, outreach through faith-based organizations, and public notices.

VDHCD Management Team and Key Staff. The following individuals are key management positions responsible for the day-to-day operations, implementation, and monitoring of the CDBG-NDR projects. DHCD's relevant management structure includes:

Bill Shelton, Director of the Virginia DHCD
Pam Kestner, Deputy Director of Housing
Willie Fobbs, Associate Director of Housing
Traci Munyan, Resiliency Program Manager
Lee Hutchinson, Resiliency Program Analyst

THE HAMPTON ROADS REGION. The Commonwealth of Virginia will pilot strategies to build resilience in the Hampton Roads Region of southeastern Virginia, where its citizens face recurrent flooding and the second fastest rate of SLR on the East Coast. This vitally important area takes its name from the large sheltered harbor, "Hampton Roads" (formerly Radsead, where the tidal river, the York, James, Nansemond, Elizabeth, and

Key Agencies, Partners, Positions, Personnel:

Counties, municipalities, state and federal agencies, and non-profit organizations. RISE will work regionally with these entities to foster collaboration and partnerships in the fields of resilience and coastal adaptation.

Cross Disciplinary Capacity RISE's mission is cross-disciplinary, combining abilities in technical, financial, planning, and community awareness. The Executive Director has demonstrated abilities in those areas and will add staff to augment, grow, and diversify these capabilities.

Technical Capacity RISE's Executive Director has a track record of planning and executing complex technical programs. Specialized knowledge in water management and resilience areas may be required and will be acquired through consultant or other arrangements.

Capacity for Community Engagement and Inclusiveness Although a new organization, RISE has begun the process of community outreach. The Executive Director has briefed community groups, business groups, and the City Managers of all the regions in Hampton Roads. The RISE Board draws from local business leaders, philanthropists, and thought leaders.

Management Team and Key Staff/Board Members:

Paul Robinson, Executive Director of RISE, has over 25 years in engineering and product commercialization.
Paul Hirschbiel, Board Member, is a local business leader and investor.
Anne Conner, Board Member, President at Towne Bank.
Evans McMillion, Board Member, attorney.
Drew Ungvarsky, Board Member, CEO & Executive Creative Director at GROW.



Overall	This Report Period	To Date
Total Projected Budget from All Sources	N/A	\$260,445,504.00
Total Budget	\$0.00	\$120,569,000.00
Total Obligated	\$0.00	\$28,320,326.32
Total Funds Drawdown	\$2,009,573.08	\$10,613,260.38
Program Funds Drawdown	\$2,009,573.08	\$10,613,260.38
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$4,354,851.32	\$13,225,032.15
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)		94.88%
Overall Benefit Percentage (Actual)		0.00%
Minimum Non-Federal Match	\$0.00	\$0.00
Limit on Public Services	\$18,082,350.00	\$0.00
Limit on Admin/Planning	\$24,109,800.00	\$10,156,806.52
Limit on Admin	\$0.00	\$1,068,310.14
Most Impacted and Distressed Threshold (Projected)	\$0.00	\$92,228,673.68

Overall Progress Narrative:

Norfolk has reached 90% design completion for the Ohio Creek Watershed project plan. The Final Environmental Impact Statement (FEIS) is ready for submission to the EPA to be posted in the Federal Register so it can begin its next thirty-day public comment period.

The Federal Government Shutdown has posed some time constraint issues since our HUD Field office has to submit the FEIS to the EPA. This may affect our project completion time down the road.

Norfolk is also beginning contract negotiations with the procured Construction Risk Management Consultant and Contractor that will be implementing the overall construction piece of the project. Once all cost have been negotiated the Risk Management Consultant will provide a final cost of the project and Norfolk will analyze it to ensure cost are appropriate and negotiate any that are not. A final cost will be agreed upon. Any cost exceeding the agreed upon price will be the responsibility of the Risk Management Consultant.

Norfolk and the Risk Management Contractor have worked very hard within the community to ensure that sub-contractors that meet Section 3 requirements are utilized. Many community meetings and outreach efforts have taken place and been well received throughout the community. Norfolk expects to be able to utilize many local sub-contractors during the construction process. More documentation on the events will be available in the next QPR.

RISE has selected its Finalists that entered business ideas in there Resiliency Challenge Competition. RISE received many entries from around the Nation and the World in response to their challenge and had to narrow it down to a small number of finalists that they felt best responded to the Challenge Questions that were proposed. Now RISE is working with those finalists to create "Work Plans" and "Business

Plans”. These plans will help RISE determine whom, how much, and what type of funding models each of the finalist will receive to further the development of the businesses. RISE also completed an “Underwriting Framework” in conjunction with Virginia Community Capital” that will also assist in the determination of funding for each of the finalist.

RISE is also in the early stages of planning its next Challenge Competition to bring on more business concepts to address issue in the Resilience arena all while creating jobs and businesses to support economic development in the Hampton Roads Region.

Project Summary

Project #, Project Title	This Report Period	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
01-NDR, Administration	\$149,372.60	\$6,027,450.00	\$1,068,310.14
02-NDR, Ohio Creek Watershed Project	\$1,708,552.67	\$109,521,550.00	\$9,077,885.83
03-NDR, Coastal Resilience Laboratory & Accelerator Center	\$151,647.81	\$5,000,000.00	\$467,064.41
04-LTC, Long-Term Commitments	\$0.00	\$0.00	\$0.00
05-SL, Supporting Leverage	\$0.00	\$0.00	\$0.00
06-OV, Outcome Values	\$0.00	\$0.00	\$0.00
07-NDR-PI Account, Coastal Resilience Laboratory &	\$0.00	\$20,000.00	\$0.00



Activities

Project # / Title: 01-NDR / Administration

Grantee Activity Number: 01-NDR-Admin01

Activity Title: NDR-Administration-Virginia

Activity Category:

Administration

Activity Status:

Under Way

Project Number:

01-NDR

Project Title:

Administration

Projected Start Date:

01/17/2017

Projected End Date:

09/30/2022

Benefit Type:

()

Completed Activity Actual End Date:

National Objective:

NA

Responsible Organization:

Commonwealth of Virginia

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$2,639,813.81
Total Budget	\$0.00	\$2,639,813.81
Total Obligated	\$0.00	\$2,639,813.81
Total Funds Drawdown	\$0.00	\$355,704.28
Program Funds Drawdown	\$0.00	\$355,704.28
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$46,531.65	\$402,283.69
Commonwealth of Virginia	\$46,531.65	\$402,283.69
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

On going administrative and grant management activities. Technical assistance, monitoring and financial management oversight.

Due to space constraints, Virginia's Actions to Affirmatively Further Fair Housing as been added here as a supporting document here rather than under the Executive Summary.

Location Description:

State Offices, primarily located at 600 East Main Street, Richmond, Virginia 23219

Activity Progress Narrative:

To support Salary, Fringe Benefits, and other cost needed to administer the grant at the State Level. As directed per HUD the Grantee Projections of Expenditures and Outcomes has been attached in this Admin



Section. This will be updated as cost become more clear after the design and engineering (planning phases) have been completed.

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
Commonwealth of Virginia	\$200,000.00
Old Dominion University	\$50,000.00
Total Other Funding Sources	\$0.00

Activity Supporting Documents

Document 3_COMBINED CDBG-DR-Grantee-Projections-of-Expenditures-and-Outcomes JANUARY 2019.xls.xlsx

Grantee Activity Number:	01-NDR-Admin02
Activity Title:	NDR-Administration-Norfolk

Activity Category:

Administration

Activity Status:

Under Way

Project Number:

01-NDR

Project Title:

Administration

Projected Start Date:

01/17/2017

Projected End Date:

09/30/2022

Benefit Type:

()

Completed Activity Actual End Date:

National Objective:

NA

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$3,137,636.19
Total Budget	\$0.00	\$3,137,636.19
Total Obligated	\$0.00	\$3,137,636.19
Total Funds Drawdown	\$110,178.02	\$510,591.41
Program Funds Drawdown	\$110,178.02	\$510,591.41
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$98,349.29	\$565,534.10
Norfolk	\$98,349.29	\$565,534.10
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Ongoing administrative functions including grant management, project planning, community involvement and project implementation.

Location Description:

This is an administrative activity for the City of Norfolk. The City's Office of Resiliency is located at 501 Boush Street, Norfolk , VA 24510.

Activity Progress Narrative:

October

In October, administrative activities included the overall grant and financial management such as invoices review and work orders scoping, timesheets, development and review, remittance request preparation, records management, monthly status update report preparation, and overall coordination among City staff, consultants and DHCD. The program management and technical assistance teams finished the draft acquisition and relocation plan and continued updating the management tools. The City staff provided requested documents and information to the City auditors, as part of our annual internal single audit. The team also continued the first phases of the Section 3 plan and coordinating activities for resident participation and outreach.

November

In November, administrative activities included the overall grant and financial management such as invoices review and work orders scoping, schedules, timesheets, development and review, remittance request preparation, records



management, monthly status update report preparation, and overall coordination among City staff, consultants and DHCD. The team began coordinating with NRHA on the acquisition and relocation plan for assistance on relocations. The City staff continued providing requested documents and information to the City auditors, as part of our annual internal single audit. December

In December, administrative activities included the overall grant and financial management such as invoices review and work orders scoping, schedules, timesheets, remittance request preparation, records management, monthly status update report preparation, and overall coordination among City staff, consultants and DHCD. The team began coordinating with NRHA on the acquisition and relocation plans and coordinating assistance on relocations. The City staff continued providing requested documents and information to the City auditors, as part of our annual internal single audit which was completed in December.

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:	01-NDR-Admin03
Activity Title:	NDR-Administration-RISE

Activity Category:

Administration

Activity Status:

Under Way

Project Number:

01-NDR

Project Title:

Administration

Projected Start Date:

01/17/2017

Projected End Date:

09/30/2022

Benefit Type:

()

Completed Activity Actual End Date:

National Objective:

NA

Responsible Organization:

Coastal Community Resilience, Inc.

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$250,000.00
Total Budget	\$0.00	\$250,000.00
Total Obligated	\$0.00	\$250,000.00
Total Funds Drawdown	\$39,194.58	\$202,014.45
Program Funds Drawdown	\$39,194.58	\$202,014.45
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$162,819.87
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Administrative activity including grant management, financial services, and project development.

Location Description:

This is an administrative activity for the Non-Profit RISE. Services that RISE provide will be within the Hampton Roads area. RISE's offices are currently located at 501 Boush Street, Norfolk , VA 24510.

Activity Progress Narrative:

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 # / Title: 02-NDR / Ohio Creek Watershed Project

Grantee Activity Number: 02-NDR-A1

Activity Title: NDR-Stormwater Mgt-Pump Stations/Tide Gates

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

02-NDR

Projected Start Date:

03/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Ohio Creek Watershed Project

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

Overall

Total Projected Budget from All Sources

Oct 1 thru Dec 31, 2018

N/A

To Date

\$23,724,000.00

Total Budget

\$0.00

\$23,724,000.00

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



Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

To enhance the capacity of the natural systems to deal with storm water and to protect the tidal systems from storm surge inundation, a series of pumping stations and tide gates will help manage the flows of water in the system.

As the direct leverage funding table indicates, the City of Norfolk committed \$32,120,000 in operation and maintenance costs (O&M) over the lifetime of the Ohio Creek Watershed Project. As indicated in the City of Norfolk leverage letter accepted by HUD (Page 3 of Norfolk Letter in attachment below), the O&M costs will begin when the project is complete and will continue until 2065 (the lifetime of the project). These O&M costs were estimated based on the initial 10% design and may change once the final design is complete.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west.

Pump stations and tide gates will be located in the Chesterfield Heights and Grandy Village neighborhoods within census tracks 46 & 47. The specific location is subject to further design currently underway. At the time of the Phase II application, the engineering for the stormwater management activity of Ohio Creek Watershed project had only been designed to 10% of the final design.

DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:

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

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	0	0/5

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

City of Norfolk

\$32,120,000.00

Total Other Funding Sources

\$0.00



Grantee Activity Number:	02-NDR-A2
Activity Title:	NDR-Stormwater Mgt-Water Retention Street Retrofit

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

02-NDR

Projected Start Date:

03/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Ohio Creek Watershed Project

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$32,600,000.68
Total Budget	\$0.00	\$32,600,000.68
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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Several existing streets in the project area specified above will be retrofitted with pervious pavement and bioswales to manage rain-induced flooding and increase the capacity of the existing stormwater system. Please see attached for examples of the described activity.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west.

Portions of several existing streets that will be retrofitted are located in the Chesterfield Heights and Grandy Village neighborhoods within census tracks 46 & 47. The specific location is subject to further design currently underway. Stormwater modeling currently underway will determine the exact location of these retrofits. At the time of the Phase II application, the engineering for the stormwater management activity of Ohio Creek Watershed project had only been designed to 10% of the final design.

DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.



Activity Progress Narrative:

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

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of Public	0	0/6000

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
City of Norfolk	\$27,170.00
Total Other Funding Sources	\$0.00



Grantee Activity Number: 02-NDR-A3
Activity Title: NDR-Stormwater Mgt-Parcel Level Water Retention

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

02-NDR

Projected Start Date:

03/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Ohio Creek Watershed Project

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$140,350.00
Total Budget	\$0.00	\$140,350.00
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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

To mitigate the vulnerability to street and neighborhood flooding, parcel-level water retention improvements such as rain gardens will help capture and reduce the intensity of stormwater runoff within the neighborhood. These parcel-level improvements will work together as a part of a flood management system in combination with other stormwater and coastal activities included in the DRGR system. These parcel-level improvements will help to prevent the undersized system from being overwhelmed and from water backing up into the streets. See attached for examples of the described activity.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west. Various parcels within the project area will be retrofitted with parcel-level water retention features such as rain gardens. The specific location is subject to further design currently underway. In particular, stormwater modeling currently underway will determine the exact location of these retrofits. The location will be determined by the absorption capacity and a soil type. At the time of the Phase II application, the engineering for the stormwater management activity of Ohio Creek Watershed project had only been designed to 10% of the final design. The further design will generate a number of alternatives for the community to choose from.



DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:

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

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Acres wetlands	0	0/1
# of Linear feet of green public	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:	02-NDR-A4
Activity Title:	NDR-Stormwater Mgt-Parcel Level Education Program

Activity Category:

Public services

Project Number:

02-NDR

Projected Start Date:

03/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Ohio Creek Watershed Project

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$100,000.00
Total Budget	\$0.00	\$100,000.00
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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

As part of the stormwater collection program and in order to bring about a community wide sense of responsibility for personal environmental impacts, the City will implement various initiatives to educate residents about the benefits of parcel- and street-level water retention green infrastructure. An example of such initiative is a "Retain Your Rain" educational and capacity building workshop in which residents learn about the benefits of green infrastructure and how to install such infrastructure in their neighborhood. The city has already successfully piloted these workshops in other areas of the city. We project to reach at least 500 residents of the project area. However, it will be difficult to determine individual income status of the engaged residents.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west. DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:



The start date for this activity is yet to 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



Grantee Activity Number:	02-NDR-A5
Activity Title:	NDR-Stormwater Mgt-Retention Ponds/Restored Wetlan

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

02-NDR

Projected Start Date:

03/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Ohio Creek Watershed Project

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$7,290,723.00
Total Budget	\$0.00	\$7,290,723.00
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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The capacity of the existing marshes and wetlands in the area will be improved to accommodate stormwater from upstream. The marsh retention areas will be connected to and integrated with the wetlands to provide rainwater storage. The passage of stormwater through restored wetlands and marshes will not only help reduce flooding but also improved water quality.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west. DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:

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



Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



Grantee Activity Number:	02-NDR-B1
Activity Title:	NDR-Coastal Management-Living Shoreline

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

02-NDR

Projected Start Date:

03/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Ohio Creek Watershed Project

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$2,348,000.00
Total Budget	\$0.00	\$2,348,000.00
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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The living shoreline will be constructed along the part of the Elizabeth River bank. The living shoreline will be placed parallel to the shore and will create habitat for species, safeguard the shoreline from erosion due to wave energy, soak up stormwater, reduce storm surge and trap polluted runoff. When combined with the shoreline berm, a robust living shoreline will increase durability and effectiveness for the flood protection structure.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west. A robust living shoreline will be constructed along the part of the Elizabeth River bank. DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:

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



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	0/2000

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
Elizabeth River Project	\$440,000.00
Total Other Funding Sources	\$0.00



Grantee Activity Number:	02-NDR-B2
Activity Title:	NDR-Coastal Management-Flood Walls

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

02-NDR

Projected Start Date:

03/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Ohio Creek Watershed Project

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$7,253,600.00
Total Budget	\$0.00	\$7,253,600.00
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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

To increase resilience to coastal flood events , several locations along the river front have inadequate space to provide a properly sloped berm due to the existing infrastructure in the project area. In these areas, a vertical flood wall is proposed on the river side with a graded landscape feature on the inland side.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west.

Several locations along the river front have inadequate space to provide a properly sloped berm due to the existing infrastructure in the project area. In these areas, a vertical flood wall is proposed on the river side. The exact location along the shoreline will be determined by the design and modeling work currently underway. The design phase will generate a number of alternatives for the community to choose from.

DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has



been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



Grantee Activity Number:	02-NDR-B3
Activity Title:	NDR-Coastal Management-Coastal Berm

Activity Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Planned

Project Number:

02-NDR

Project Title:

Ohio Creek Watershed Project

Projected Start Date:

03/01/2019

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$7,472,000.00
Total Budget	\$0.00	\$7,472,000.00
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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Along the Elizabeth River the berm will be built as part of the coastal flood protection system. The berm will be vegetated with grasses and indigenous plants. If desired by the community, a walking path can be placed on the river front of the berm to provide recreational amenity. In this way, the flood-protection feature will be visually integrated into the existing landscape.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west.

Along the Elizabeth River waterfront, a coastal berm will be built as a part of the coastal protection system. The exact location of the berm will be determined by the design and modeling work currently underway. The design phase will generate a number of alternatives for the community to choose from.

DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:



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

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of Public	0	0/2000

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:	02-NDR-B4
Activity Title:	NDR-Coastal Management - Road Improvements

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

02-NDR

Projected Start Date:

03/01/2019

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Ohio Creek Watershed Project

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$8,300,000.00
Total Budget	\$0.00	\$8,300,000.00
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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Portions of some streets may have to be raised or otherwise retrofitted as part of the coastal flood protection. Road retrofits will prevent water from flowing over the roads and will improve passage and safe egress in and out of the adjacent neighborhoods during flood events.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west. Portions of the project area roads may have to be raised or otherwise retrofitted as par of the system of costal flood protection. The exact location of these roads will be determined by the design and modeling work underway. The design phase will generate a number of alternatives for the community to choose from. DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has



been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
City of Norfolk	\$1,395,692.00
Total Other Funding Sources	\$0.00



Grantee Activity Number:	02-NDR-C1
Activity Title:	NDR-Land Acquisition

Activity Category:

Acquisition, construction, reconstruction of public facilities

Activity Status:

Planned

Project Number:

02-NDR

Project Title:

Ohio Creek Watershed Project

Projected Start Date:

03/01/2019

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

Low/Mod

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$3,000,000.00
Total Budget	\$0.00	\$3,000,000.00
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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Depending on the further design, modeling and community preferences, some land may have to be acquired to accommodate flood protection components such as flood walls.

Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west. Depending on the further design, modeling and community preferences, some land may have to be acquired to accommodate flood protection components. The exact location is subject to further design and community preferences. DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:

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



Accomplishments Performance Measures

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

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
Norfolk Redevelopment and Housing Authority	\$15,000,000.00
S.L. Nusbaum Reality Co.	\$20,000,000.00
Total Other Funding Sources	\$0.00



Grantee Activity Number:	02-NDR-D1
Activity Title:	NDR-Ohio Creek Watershed Planning

Activity Category:

Planning

Activity Status:

Under Way

Project Number:

02-NDR

Project Title:

Ohio Creek Watershed Project

Projected Start Date:

01/17/2017

Projected End Date:

09/30/2022

Benefit Type:

Area ()

Completed Activity Actual End Date:

National Objective:

NA

Responsible Organization:

Norfolk

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$17,292,876.32
Total Budget	\$0.00	\$17,292,876.32
Total Obligated	\$0.00	\$17,292,876.32
Total Funds Drawdown	\$1,708,552.67	\$9,077,885.83
Program Funds Drawdown	\$1,708,552.67	\$9,077,885.83
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$4,058,322.57	\$11,627,330.08
Norfolk	\$4,058,322.57	\$11,627,330.08
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Planning activities are intended to take the 10% design concepts and ideas initially proposed in the application and further the design process up to project readiness. Planning activities are intended to result in identifying targeted strategies focused on how best to reduce flood risk and deliver on resilience goals in the Ohio Creek project area in the most effective and environmentally sound ways. This will be achieved by the City of Norfolk revisiting the project components with the community, city staff, design experts and other stakeholders to maximize value without reducing the scope or benefits presented in the application. Results will be identified through conducting planning workshops, environment review, design sessions and community meetings. As articulated in Phase II of the NDRC application, which is part of and outlined in this Action Plan, Virginia's approach to creating coastal resilience has three goals: Build Water Management Solutions, Strengthened Vulnerable Neighborhoods and Improve Economic Vitality (see Phase II application, page 44). To achieve these goals, the City proposed a series of initiatives (see Phase II application, pages 50 -51) that will buttress communities against economic downturn and other acute shocks and chronic stresses. These initiatives include poverty reduction programs, land use regulatory improvements, business expansion and workforce development programs. To ensure that that Virginia's approach is met and to support the goals outlined in the above paragraph Norfolk will allocate \$300,000 in Planning funds for the Ohio Creek Watershed project to develop a Community Revitalization Plan for the adjacent Newton Creek area located within the approved MID-URN area. The funds would be used for a Newton Creek Community Revitalization Plan to advance the economic revitalization goals that are described in the approved Action Plan.



Location Description:

The Ohio Creek watershed project area lies within the City of Norfolk and includes Census Tracts 46 and 47. The project area within these two census tracts contains residential neighborhood areas of Grandy Village and Chesterfield Heights. The area is approximately bounded by the Eastern Branch of the Elizabeth River to the south, Norfolk State University area to the north, Capital Concrete industrial site to the east and a shipyard along with South Brambleton area to the west. Adjacent to the Ohio Creek Watershed project area and within the approved MID-URN application area Norfolk will be distributing efforts to implement economic vitality improvements that would directly benefit the Ohio Creek Watershed Project. DRGR will not allow us to update GIS Shape files or "Identify Census Geography" at this time. Please see the PDF map of the project service area below.

Activity Progress Narrative:

October

In October, the design and construction team reviewed and responded to comments related to the detailed schematic design (60%) submitted in September for the entire projects proposed construction activities. After going through the design documents, the construction team coordinated work around design updates made in the 60% plans and specifications for updating construction packages, costs, and scheduling of project elements. The construction and design teams continued to iterate cost saving alternatives in several key aspects of the project, such as the pump stations and flood protection elements. Coordination continued with construction easements and the property impact plans are being implemented. Appraisals, resident engagement, and development of the acquisition management plans continued. Support of CMAR/Design coordination and review of pre-construction progress, and review of project cost, schedule and risk continued as we begin working towards final design. The environmental team has been working on some design components of the living shoreline and living landscape elements. The environmental team met with the city forester and CBPA city official to work out tree mitigation ratios to comply with replacement guidelines, which we will be exceeding. The environmental team continued to coordinate and meet with Virginia Marine Resource Commission and the Department of Environmental Quality as part of the projects NEPA process. The CMAR team and the City held another Section 3 mixer at the Grandy Village Learning Center. Attendance was good with an even mix of job seekers and members of the business community interested in supporting the project. The City met with Norfolk State University in October to discuss their master plan and economic development opportunities around the campus which is adjacent to the project. The city staff also presented project information to members of Norfolk City Council and city officials.

November

In November, the design team worked towards 100% design with plans for internal QA/QC to be delivered in late December. The design and construction management teams continued utility conflict coordination meetings with city staff and franchise utilities. Complex design and construction challenges around old utilities are being evaluated for optimization in the project cost and schedule. The construction and design teams continued to iterate cost saving alternatives in several key aspects of the project, such as the materials, plantings, structural elements throughout the project. Coordination continued with construction easements and the property impact plans are being implemented. Appraisals, resident engagement, and development of the acquisition management plans continued during the month of November. Meetings with Titan America and term sheets are in final the final stages with the City and Titan on the new road alignment of Kimball Terrace through their existing property. Support of CMAR/Design coordination and review of pre-construction progress, and review of project cost, schedule and risk also continued this month as we begin working towards final design planned for the first of February. The environmental team has been working on some design components of the living shoreline and working with the city staff on specifics like trees in the CBPA and other wetland impacts for permitting. The environmental team also continued to coordinate and meet with Virginia Marine Resource Commission, Department of Environmental Quality, and the Department of Historic Continued in Additional Documents...

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of community engagement	0	73/10

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

Activity Supporting Documents

Document Narrative for Norfolks Planning Activity 02-NDR-D1 January 2019.docx

Project # / Title: 03-NDR / Coastal Resilience Laboratory & Accelerator Center

Grantee Activity Number: 03-NDR-A1

Activity Title: NDR-RISE-Business Loan Fund

Activity Category:

Econ. development or recovery activity that creates/retains

Project Number:

03-NDR

Projected Start Date:

01/17/2017

Benefit Type:

Direct (Person)

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Coastal Resilience Laboratory & Accelerator Center

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Coastal Community Resilience, Inc.

Overall

Total Projected Budget from All Sources

Total Budget

Oct 1 thru Dec 31, 2018

N/A

\$0.00

To Date

\$600,000.00

\$600,000.00



Total Obligated	\$0.00	\$600,000.00
Total Funds Drawdown	\$59,609.77	\$71,822.61
Program Funds Drawdown	\$59,609.77	\$71,822.61
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$59,609.77	\$71,822.61
Coastal Community Resilience, Inc.	\$59,609.77	\$71,822.61
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This activity will support innovative resiliency efforts through a business loan program. Businesses developing innovative resilient technologies may require funding to expand and diversify. Businesses with interest in developing resiliency related goods and services will be evaluated by RISE staff, board and consultants to determine if a RISE investment is viable and further cultivate the product financing and development stages. The loan program guidelines are being developed by RISE's staff, Board and consultants. These capital injections in the form of loans will help retain and create new jobs. The actual loans will be made under Grantee Activity Number 03-NDR-01. Planning efforts under the planning activity (03-NDR-C1) for this activity will include developing the loan description, legal documents, loan assessment and due diligence processes. This may include assisting private, for-profit businesses. Assistance may include, loans, loan guarantees, and technical assistance; and providing economic development services in connection with otherwise eligible CDBG economic development activities as allowed through the Regulatory/Statutory Citations: Section 105(a)(2), Section 105(a)(4), Section 105(a)(14), Section 105(a)(15), Section 105(a)(17), Section 105(a)(19), 570.201(c), 570.201(o), 570.202, 570.203 (a), (b) and (c), 570.204. There is the possibility to generate program income from this activity. For planning purposes there is a preliminary \$20,000 in estimated program income that will be generated through loan interest repayments. This is a separate DRGR Activity. An eligibility waiver request for the regional Coastal Resilience Lab and Accelerator Center (CLRAC) was requested of HUD on July 6, 2016. This waiver is required because the Center design does not break down neatly into CDBG eligibility categories. Portions of the Center program are eligible activities while other portions appear to be outside the usual CDBG realm. CLRAC staff will be coordinating the various types of assistance into a coherent whole, moving between supporting eligible and currently potentially ineligible activities. On December 18, 2017, this waiver was published in the Federal Register. The original budget amount for this planning activity was set at an amount that that allowed for the development of planning activities that would further identify the operations and structure of the revolving loan fund. The focus of this activity over the past few months has been refined and \$500,000 which were set-aside for planning purposes are no long needed and will be transferred to the implementation of the revolving loan fund. The transfer of these funds increase the proposed beneficiaries from 10 people to 15 people and from 10 jobs created to 15 jobs created.

Location Description:

The project location has a regional focus which includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg, the Town of Smithfield and the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York.

Activity Progress Narrative:

October

GCR and RISE continued to develop the detailed structure, timelines, budget and policies and procedures for the Resilience Innovation Fund consisting of loans and grants for small businesses and non-profits selected through the Coastal Community Resilience Challenge. RISE also finalized the scope of work and signed a sub-recipient agreement contract with the Virginia Community Capital to develop an underwriting decision making framework, underwrite selected grant and loan beneficiaries and provide funding recommendations. VCC held a kick off workshop with RISE as part of this process. The first loans and grants from the Fund are expected to be awarded in March/April 2019.

November

In November, finalized and released the Resilience Innovation Fund application package to all of the finalists, set up weekly TA call-in office hours, and secured pro-bono experts to assist the finalists with their business plan. RISE also worked with the Virginia Community Capital on the loan/grant underwriting framework and with GCR on finalists' project reviews to ensure that projects would be eligible if the finalists are selected for funding after their



submission to RIF on January 15, 2019. RISE also worked to identify Investment Committee members for the Resilience Innovation Fund.

RISE also developed a new set of FAQ and have been nearly daily answering finalists' regulatory questions and processing their data and demonstration/pilot/prototype location needs with various Hampton Roads cities – as all of these projects will require access various publicly and potentially privately-owned sites.

December

In December, RISE and Virginia Community Capital finalized the underwriting decision making framework and process. RISE also finalized recruitment of all Investment Committee members who will score all of the Challenge finalists' business plans and workplans, participate in oral pitches/presentations and provide RISE with funding recommendation for the Challenge finalists. Challenge finalists' detailed workplans and business plans for funding are due to RISE by 1/15. As part of this process, RISE began developing all process and regulatory guidance as well as all scoring materials for the judges. RISE also continued to identify contract requirements and structure for loans vs grants recipients and their respective templates and requirements for contracting with their subs. Finally, RISE also started working with regional cities (starting with Norfolk) on legal requirements/agreements they will want to have either with RISE or with individual RISE-funded businesses that will be using city-owned land or infrastructure to pilot and prototype their RISE-funded projects.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod%
# of Permanent Jobs Created	0	0	0	0/0	0/0	0/15	0

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod
# of Persons	0	0	0	0/0	0/0	0/15	0

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:	03-NDR-B1
Activity Title:	NDR-RISE-Open Competitions

Activity Category:

Econ. development or recovery activity that creates/retains

Project Number:

03-NDR

Projected Start Date:

07/01/2017

Benefit Type:

Direct (Person)

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Coastal Resilience Laboratory & Accelerator Center

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Coastal Community Resilience, Inc.

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,750,000.00
Total Budget	\$0.00	\$1,750,000.00
Total Obligated	\$0.00	\$1,750,000.00
Total Funds Drawdown	\$17,710.64	\$191,125.03
Program Funds Drawdown	\$17,710.64	\$191,125.03
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$17,710.64	\$191,125.03
Coastal Community Resilience, Inc.	\$17,710.64	\$191,125.03
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Procurement challenges will solicit individuals, teams or companies to design, build and test prototypes of resiliency technologies with a view to demonstrating capability. Key to this activity is that the resilience technologies must not be currently available. They will meet a specific set of needs set by the NDRC program that are not met by any product. Successful entries will be selected to proceed to manufacture and sale of the products for the NDRC Ohio Creek work. Testing and assembly will be done in the Hampton Roads area providing jobs in the region. Manufacturing will be done in the Hampton Roads region as long as there is the capability and resources to do so. This activity is focused on job creation. Planning activities (under 03-NDR-C1) include: development of the procurement process in accordance with CDBG regulations, 2 CFR 200 regulations, marketing approach, prize description and legal materials, and prize operation procedures. An eligibility waiver request for the regional Coastal Resilience Lab and Accelerator Center (CLRAC) was requested of HUD on July 6, 2016. This waiver is required because the Center design does not break down neatly into CDBG eligibility categories. Portions of the Center program are eligible activities while other portions appear to be outside the usual CDBG realm. CLRAC staff will be coordinating the various types of assistance into a coherent whole, moving between supporting eligible and currently potentially ineligible activities. As of this Action Plan Submittal, this waiver has not been published in the Federal Register.

Location Description:

The project location has a regional focus which includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg, the Town of Smithfield and the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York.



Activity Progress Narrative:

October

The Communications Pilot evaluation period came to a close on October 1, 2018. The remainder of the month was spent obtaining and reviewing the Security Evaluation from Old Dominion University. Data was gathered and exported from the Grafana dashboard, as well as install records for all vendors to create a Communications Pilot Conclusion report for the nine participating vendors. The three remaining vendors Ijinus, Senet, and Fybr have been contacted in regards to keeping their sensors on the Community Services building for potential partnership with the City of Norfolk. The third milestone payment and completion has been delayed until the three final vendors either remove their sensors, or agree upon further sensor use with a third party. RISE also presented on the results of the pilot to the City of Norfolk and has been in the process of scheduling additional presentations to disseminate knowledge. As a result of the pilot, Norfolk decided to purchase one of the systems evaluated during this RISE-led communications pilot. By proving capacity to use the City as a living lab, RISE was subsequently able to secure a \$10K contract with Norfolk to coordinate a 6-month pilot through DHS that is sponsoring 3 small businesses to test 30 sensors at 10 different locations.

November

The wrap-up of the pilot program continues. Three vendors completed all milestones (Fybr, Ijinus, and Senet) and payments were made to Fybr and Ijinus as per agreements with RISE. All vendors were requested to either remove their equipment or receive City permits for their installations. Fybr, Ijinus, and Senet requested permission to keep their equipment in place and operating (at no cost to RISE) which was granted. Work continues to produce a brief summary document for publication and knowledge dissemination which will be completed in December.

December

In December, RISE continued to wrap up the pilot program. RISE completed a final document for release and knowledge dissemination. The report is in final stages of editing. RISE also began planning for the 2019 activities under this category.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod%
# of Permanent Jobs Created	0	0	0	0/0	0/0	0/45	0
# of Permanent Jobs Retained	0	0	0	0/0	0/0	0/10	0

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod
# of Persons	0	0	0	0/0	0/0	0/55	0

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:	03-NDR-B2
Activity Title:	NDR-RISE-R&D Venture/Support

Activity Category:

Econ. development or recovery activity that creates/retains

Project Number:

03-NDR

Projected Start Date:

01/17/2017

Benefit Type:

Direct (Person)

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Coastal Resilience Laboratory & Accelerator Center

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Coastal Community Resilience, Inc.

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$814,473.00
Total Budget	\$0.00	\$814,473.00
Total Obligated	\$0.00	\$814,473.00
Total Funds Drawdown	\$67,388.86	\$139,805.44
Program Funds Drawdown	\$67,388.86	\$139,805.44
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$67,388.86	\$139,805.44
Coastal Community Resilience, Inc.	\$67,388.86	\$139,805.44
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This activity will provide assistance to companies developing innovative resilient technologies. This assistance may also come in the form of financial, technical, or managerial/consulting services. Financial assistance may come in the form of seeking additional financial assistance, underwriting, or direct investment of infrastructure or equipment. This activity will assess companies and provide assistance which, in turn, will help companies grow, retain and create jobs. In addition to internal technical assistance, RISE has interest in procuring the services of a public benefit corporation such as 1776 which will provide mentoring and access to global markets. Planning activities (under 03-NDR-C1) for this activity will include: assistance with programs, legal documents, company assessment, and due diligence processes.

An eligibility waiver request for the regional Coastal Resilience Lab and Accelerator Center (CLRAC) was requested of HUD on July 6, 2016. This waiver is required because the Center design does not break down neatly into CDBG eligibility categories. Portions of the Center program are eligible activities while other portions appear to be outside the usual CDBG realm. CLRAC staff will be coordinating the various types of assistance into a coherent whole, moving between supporting eligible and currently potentially ineligible activities. This waiver has been approved and was published in the Federal Register on December 18, 2017.

The original budget amount for this planning activity was set at an amount that that allowed for the development of planning activities that would further identify the operations and structure of the R & D Venture and Support activity. The focus of this activity over the past few months has been refined and \$264,473.00 which were set-aside for planning purposes are no longer needed and will be transferred to the implementation of the R & D Venture and Support activity. The transfer of these funds increase the proposed beneficiaries from 50 people to 55 people and from 40 jobs created to 45 jobs created. There are no anticipated changes in the number of businesses created.



Location Description:

The project location has a regional focus which includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg and the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York and the Town of Smithfield.

Activity Progress Narrative:

October

In October, RISE screened and scored 51 Coastal Community Resilience Challenge submissions and together with the judging committee selected 7 Challenge finalists to be invited to apply to the Resilience Innovation Fund (RIF). As part of this process, RISE finalized judging score cards, developed score card file organization system and tracking/summary sheets, confirmed 11 judges, prepared guidance materials for the judging committee, prepared and coordinated conflict of interest and non-disclosure forms and guidance. RISE also worked with Berlin Rosen to develop a media/communication strategy, prepared and distributed promotional materials, press release and social media content. RISE also developed new content for the website. RISE also worked with GCR to develop and refine a RIF application, submission guidelines, budget and workplan templates, and scoring criteria for RIF. RISE also prepared letters for not selected Challenge applicants, including invitations to feature their innovations in RISE promotional materials for other potential investors. Finally, RISE met with SBDC and other mentors to discuss what level of assistance they could provide to the Challenge finalists selected to proceed to RIF.

November

In November, RISE conducted debrief calls and meetings with the Challenge finalists to convey judging committee's conclusions about their strengths and weaknesses and to go over the Phase II – Resilience Innovation Fund (RIF) application process. RISE also informed not-selected applicants and began preparing promotional materials about the submissions and finalists. RISE also developed a new set of FAQ and have been nearly daily answering finalists' regulatory questions and processing their data and demonstration/pilot/prototype location needs with various Hampton Roads cities – as all of these projects will require access various publicly and potentially privately-owned sites. Also, RISE started planning for the RIF announcement event and publicity so that the resilience projects and small businesses funded by RISE could be promoted across the region and beyond. This included a meeting with WHRO that is considering producing videos about each finalist and their projects. Finally, RISE attended the annual VA Resilience Conference and held calls and meetings with the City of Virginia Beach and VA Deputy Secretary for Public Safety to brief them on the outcome of the Challenge and the next steps as well as to begin gathering needs and topics for the next year's Challenge.

December

In December, RISE provided an extensive technical assistance to the Coastal Community Resilience Challenge finalists who are applying for grants and loans from the Resilience Innovation Fund (RIF). This assistance included regular office hours, reviews of draft workplans to ensure eligibility of proposed activities and identify any HUD regulatory issues, Q&A around HUD regulations and the RISE RIF process, tracking down data from the cities and universities, provision of business plan development assistance services through regional entrepreneurs and investors, facilitation of meetings and calls and with Hampton Roads cities to provide an update on businesses' proposed activities to secure cities support and commitments of locations/publicly-owned land or infrastructure that is necessary for prototypes and pilots proposed by the RISE-funded businesses. RISE also conducted several meetings with the State, cities, corporations and other regional stakeholders to start collecting resilience needs and topics for the next round of the Challenge/RIF in 2019.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Businesses	0	0/10

Beneficiaries Performance Measures

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod%
# of Permanent Jobs Created	0	0	0	0/0	0/0	0/45	0
# of Permanent Jobs Retained	0	0	0	0/0	0/0	0/12	0



	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod
# of Persons	0	0	0	0/0	0/0	0/55	0

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:	03-NDR-B3
Activity Title:	NDR-RISE-Resilience Campus

Activity Category:

Econ. development or recovery activity that creates/retains

Project Number:

03-NDR

Projected Start Date:

07/01/2017

Benefit Type:

Direct (Person)

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Coastal Resilience Laboratory & Accelerator Center

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Coastal Community Resilience, Inc.

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$1,250,000.00
Total Budget	\$0.00	\$1,250,000.00
Total Obligated	\$0.00	\$1,250,000.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$0.00
Coastal Community Resilience, Inc.	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

In order for companies to build, test, prototype, and scale up their designs, RISE will establish and run a Resilience Campus. The Campus will provide space and laboratory facilities for these companies to operate. It may include the acquisition, construction, reconstruction, or rehabilitation of a separate building or it may result in the development of existing space or RISE may partner with a local university with appropriate laboratory facilities. Equipment and laboratory materials may be required to allow for product testing. This activity will be undertaken through the eligibility allowed through the Special Economic Development activities as laid forth in Regulatory/Statutory Citations: Section 105(a)(2), Section 105(a)(4), Section 105(a)(14), Section 105(a)(15), Section 105(a)(17), Section 105(a)(19), 570.201(c), 570.201(o), 570.202, 570.203 (a), (b) and (c), 570.204.

Planning efforts for this activity will be minimal and consist of developing how the Resilience Campus will interface with other activities and will occur under activity 03-NDR-C1.

An eligibility waiver request for the regional Coastal Resilience Lab and Accelerator Center (CLRAC) was requested of HUD on July 6, 2016. This waiver is required because the Center design does not break down neatly into CDBG eligibility categories. Portions of the Center program are eligible activities while other portions appear to be outside the usual CDBG realm. CLRAC staff will be coordinating the various types of assistance into a coherent whole, moving between supporting eligible and currently potentially ineligible activities. As of this Action Plan Submittal, this waiver has not been published in the Federal Register.

Location Description:

The project location has a regional focus which includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg, the Town of Smithfield and the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York.



Activity Progress Narrative:

RISE staff have been researching available campus sites for possible rental.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod%
# of Permanent Jobs Created	0	0	0	0/0	0/0	0/4	0

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod
# of Persons	0	0	0	0/0	0/0	0/4	0

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:	03-NDR-B4
Activity Title:	NDR-RISE-Corporate Engagement

Activity Category:

Econ. development or recovery activity that creates/retains

Project Number:

03-NDR

Projected Start Date:

07/01/2017

Benefit Type:

Direct (Person)

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

Coastal Resilience Laboratory & Accelerator Center

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Coastal Community Resilience, Inc.

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$325,000.00
Total Budget	\$0.00	\$325,000.00
Total Obligated	\$0.00	\$325,000.00
Total Funds Drawdown	\$0.00	\$47,269.34
Program Funds Drawdown	\$0.00	\$47,269.34
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$47,269.34
Coastal Community Resilience, Inc.	\$0.00	\$47,269.34
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This activity will work with corporations to become involved in resilience efforts in Hampton Roads. RISE will broker needs of the cities, corporations, and local businesses to ensure that the necessary relationships are established and maintained. This activity will support success of activities #03-NDR-B1, 03-NDR-B2, and 03-NDR-B3. Although this activity may not directly retain or create jobs, it will be a key component to success by assisting smaller companies in growth, manufacturing, facilities, and knowledge base that may not be available to them. Planning activities for this effort will include generation of databases of eligible companies in the resilience sector, contacts, and partnership structure(s). Planning will also include conversations with companies to refine materials and approaches, and develop pathways forward to establish joint efforts under 03-NDR-C1. An eligibility waiver request for the regional Coastal Resilience Lab and Accelerator Center (CLRAC) was requested of HUD on July 6, 2016. This waiver is required because the Center design does not break down neatly into CDBG eligibility categories. Portions of the Center program are eligible activities while other portions appear to be outside the usual CDBG realm. CLRAC staff will be coordinating the various types of assistance into a coherent whole, moving between supporting eligible and currently potentially ineligible activities. As of this Action Plan Submittal, this waiver has not been published in the Federal Register.

<!--[if !supportAnnotations]-->

<!--[if !supportAnnotations]--> <!--[endif]-->

Location Description:

The project location has a regional focus which includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg, the Town of Smithfield and



the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York.

Activity Progress Narrative:

No Activity.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod%
# of Permanent Jobs Created	0	0	0	0/0	0/0	0/10	0

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod
# of Persons	0	0	0	0/0	0/0	0/10	0

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:	03-NDR-B5
Activity Title:	NDR-RISE-Workforce Development

Activity Category:

Public services

Project Number:

03-NDR

Projected Start Date:

07/01/2017

Benefit Type:

Direct (Person)

National Objective:

Urgent Need

Activity Status:

Planned

Project Title:

Coastal Resilience Laboratory & Accelerator Center

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Coastal Community Resilience, Inc.

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$235,527.00
Total Budget	\$0.00	\$235,527.00
Total Obligated	\$0.00	\$235,527.00
Total Funds Drawdown	\$6,265.74	\$6,431.44
Program Funds Drawdown	\$6,265.74	\$6,431.44
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$6,265.74	\$6,431.44
Coastal Community Resilience, Inc.	\$6,265.74	\$6,431.44
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

As a result of the RISE’s efforts, there will be demand for local workforce. Jobs may range from low-skilled assembly positions, to higher skilled manufacturing and design positions. This activity will work with local organizations to ensure there is a pipeline of suitably trained local workers to fill these needs. High school and college students will be targeted to receive training for resiliency related jobs. Planning for this activity will develop coordination with existing local workforce develop efforts, developing needs for resilience workforce, and building the organization to implement the workforce development plan under 03-NDR-C1.

An eligibility waiver request for the regional Coastal Resilience Lab and Accelerator Center (CLRAC) was requested of HUD on July 6, 2016. This waiver is required because the Center design does not break down neatly into CDBG eligibility categories. Portions of the Center program are eligible activities while other portions appear to be outside the usual CDBG realm. CLRAC staff will be coordinating the various types of assistance into a coherent whole, moving between supporting eligible and currently potentially ineligible activities. As of this Action Plan Submittal, this waiver has not been published in the Federal Register.

Location Description:

The project location has a regional focus which includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg, the Town of Smithfield and the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York.



Activity Progress Narrative:

October

No Activity.

November

RISE have been answering questions from the finalists whose projects include a workforce development component and was and processing their data and demonstration/pilot/prototype location needs with various Hampton Roads cities – as all of these projects will require access various publicly and potentially privately-owned sites.

December

RISE have been answering questions from the finalists whose projects include a workforce development component and was and processing their data and demonstration/pilot/prototype location needs with various Hampton Roads cities – as all of these projects will require access various publicly and potentially privately-owned sites. RISE also conducted review of HUD regulations related to workforce development activities.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod
# of Persons	0	0	0	0/0	0/0	0/4	0

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: 03-NDR-C1

Activity Title: NDR-RISE Planning

Activity Category:

Planning

Project Number:

03-NDR

Projected Start Date:

03/01/2017

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Coastal Resilience Laboratory & Accelerator Center

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Coastal Community Resilience, Inc.

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$25,000.00
Total Budget	\$0.00	\$25,000.00
Total Obligated	\$0.00	\$25,000.00
Total Funds Drawdown	\$672.80	\$10,610.55
Program Funds Drawdown	\$672.80	\$10,610.55
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$672.80	\$10,610.55
Coastal Community Resilience, Inc.	\$672.80	\$10,610.55
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

This activity is to support RISE's planning efforts to design the business loan program, accelerate global market activity by developing a regional "living laboratory" to test innovation, and to facilitate partnerships and collaboration in the resilience and coastal adaptation fields that lead to economic growth in the Hampton Roads Region. Planning activities will be undertaken which support the implementation of the Business Loan Pool, Procurement Challenges, R & D Venture/Support, Resilience Campus, Corporate Engagement and Workforce Development activities. Attached is a planning document which describes RISE's strategic initiatives in the Hampton Roads area which reinforce the need for a regional focus for climate change solutions in the Commonwealth's coastal areas. On January 11, 2018, this Action Plan was revised to move \$764,473.00 from the planning activities to project implementation. The original budget amount for this planning activity was set at an amount that allowed for the development of planning activities that would further identify the operations and structure of the R & D Venture and Support activity and Revolving Loan Fund. The focus of the planning activities over the past few months has been refined and it has been determined that funds would be best used in project implementation. The planning budget has been reduced from a total of \$789,473 to \$25,000 through this revision number two.

Location Description:

The project location has a regional focus which includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg and the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York and the Town of Smithfield.



Activity Progress Narrative:

October
Planning related to Resilience Campus
November
No Activity.
December
No Activity.

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 # / Title: 04-LTC / Long-Term Commitments

Grantee Activity Number: 04-LTC-01

Activity Title: LTC-Code/Ordinance Revision

Activity Category:

NDR - Long Term Commitment

Project Number:

04-LTC

Projected Start Date:

01/01/2014

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Long-Term Commitments

Projected End Date:

01/23/2018

Completed Activity Actual End Date:

Responsible Organization:

Norfolk



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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Revision of the City's Code/Ordinance.

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Housing Units	0	1/96121

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:	04-LTC-02
Activity Title:	LTC-Zoning Ordinance Revision

Activity Category:

NDR - Long Term Commitment

Project Number:

04-LTC

Projected Start Date:

09/09/2014

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Long-Term Commitments

Projected End Date:

10/30/2017

Completed Activity Actual End Date:

01/23/2018

Responsible Organization:

Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The zoning ordinance revision begun in 2014. City staff expects City Council approval around October 2017.

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

No projects were implemented during this reporting period. This metric was completed in January 2018. Norfolk City Council passed the new zoning ordinance that is inclusive of the resilience provisions on January 23, 2018.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Housing Units	0	96121/96121



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:	04-LTC-03
Activity Title:	LTC-Recurrent Flooding/Stormwater Fund

Activity Category:

NDR - Long Term Commitment

Project Number:

04-LTC

Projected Start Date:

01/01/2014

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Completed

Project Title:

Long-Term Commitments

Projected End Date:

01/31/2017

Completed Activity Actual End Date:

01/01/2014

Responsible Organization:

Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The recurrent flooding/stormwater fund was established on 1/1/2014. Fee collection is ongoing and funds are used to address the City-wide stormwater and flooding issues. Fee collection is ongoing.

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

The recurrent flooding/stormwater fund was established on 1/1/2014. Fee collection is ongoing. No projects were implemented during this reporting period.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Housing Units	0	0/96121



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:	04-LTC-04
Activity Title:	LTC-Resilience Strategy

Activity Category:

NDR - Long Term Commitment

Project Number:

04-LTC

Projected Start Date:

10/28/2015

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Completed

Project Title:

Long-Term Commitments

Projected End Date:

01/17/2017

Completed Activity Actual End Date:

10/28/2015

Responsible Organization:

Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The City of Norfolk's Resiliency Strategy was released on October, 28, 2015. The implementation of the strategy is on going.

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

This metric was completed. The City of Norfolk's Resiliency Strategy was released on October 28, 2015.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Housing Units	0	192242/96121



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:	04-LTC-05
Activity Title:	LTC-NFIP Community Rating System

Activity Category:

NDR - Long Term Commitment

Project Number:

04-LTC

Projected Start Date:

05/01/2014

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Completed

Project Title:

Long-Term Commitments

Projected End Date:

01/31/2017

Completed Activity Actual End Date:

01/01/2018

Responsible Organization:

Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The City has been re-evaluated on their National Flood Insurance Program Community Rating System (CRS). The new score will be released on May 1, 2017.

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

This metric has already been completed when Norfolk moved from a Community Rating System's Class 8 to a Class 7 earlier in 2018.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Housing Units	0	192242/96121



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / Title: 05-SL / Supporting Leverage

Grantee Activity Number: 05-SL-01

Activity Title: SL-Commonwealth of Virginia Initiatives

Activity Category:

NDR - Supporting Leverage

Project Number:

05-SL

Projected Start Date:

01/17/2017

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Supporting Leverage

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Commonwealth of Virginia

Overall

Total Projected Budget from All Sources

Oct 1 thru Dec 31, 2018

To Date

N/A

\$0.00

Total Budget

\$0.00

\$0.00

Total Obligated

\$0.00

\$0.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$0.00

Commonwealth of Virginia

\$0.00

\$0.00



Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Various capital improvement projects have either been completed or are underway which improve the environmental integrity of the region through enhanced drainage, providing more resilient infrastructure, and improving social and economic resiliency in flood-prone and environmentally sensitive areas. These were initiatives undertaken by other State Agencies.

Location Description:

The project location for Commonwealth of Virginia supporting leverage includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg, the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York and the Town of Smithfield.

Activity Progress Narrative:

See Additional Documents for State Supporting Leverage.

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
Commonwealth of Virginia	\$70,493,642.00
Subtotal Match Sources	

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

Activity Supporting Documents





Grantee Activity Number:	05-SL-02
Activity Title:	SL-City of Norfolk

Activity Category:

NDR - Supporting Leverage

Project Number:

05-SL

Projected Start Date:

01/17/2017

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Supporting Leverage

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

01/01/2018

Responsible Organization:

Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The City of Norfolk commitment of \$125,000.00 in funding to support activities directly related to undertaking the CDBG-NDR proposal. The Funds were used during December 2014 to support an Urban Land Institute RESilience Technical Panel, the result of which will be used in the development of projects during Phase 2 of the NDRC grant process. See attachment for letters of support in leverage that were accepted by HUD.

Location Description:

The project Location for supportin environment leverage includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg, the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York and the Town of Smithfield.

Activity Progress Narrative:

Submitted supporting documentation January 2018 indicating completion of Activity.



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

Old Dominion University

Amount

\$125,000.00

Subtotal Match Sources

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Grantee Activity Number:	05-SL-03
Activity Title:	SL-Concursive Corporation

Activity Category:
NDR - Supporting Leverage

Project Number:
05-SL

Projected Start Date:
01/03/2015

Benefit Type:
()

National Objective:
Low/Mod

Activity Status:
Completed

Project Title:
Supporting Leverage

Projected End Date:
12/31/2015

Completed Activity Actual End Date:
11/30/2017

Responsible Organization:
Commonwealth of Virginia

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
Commonwealth of Virginia	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

The Concursive Corporation committed to matching \$25,000 in funds by The Up Center for Implementation for a pilot project supporting the CDBG-NDR grant proposal in the City of Norfolk target area. The pilot project was located in one of the Most Impacted and Distressed neighborhoods with Unmet Recovery Needs and test the ability of volunteers at a hyper-local level connected through technology and trained by neighborhood associations and civic leagues to better support vulnerable citizens.

Location Description:

Various neighborhoods in Norfolk that currently experience flooding or are prone to future flooding.

Activity Progress Narrative:

Submitted supporting documentation January 2018 indicating completion of Activity.

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

Concursive Corporation

Amount

\$25,000.00

Subtotal Match Sources

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / Title: 06-OV / Outcome Values

Grantee Activity Number:	06-OV-LTC-C/OR-01
Activity Title:	OV-LTC Code/Ordinance Revision NDR - Economic OV

Activity Category:

NDR - Economic Value

Project Number:

06-OV

Projected Start Date:

09/09/2014

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Outcome Values

Projected End Date:

01/17/2017

Completed Activity Actual End Date:

01/23/2018

Responsible Organization:

Norfolk

Overall

Total Projected Budget from All Sources

Oct 1 thru Dec 31, 2018

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the LTC Project # 04-LTC-01 titled "Code/Ordinance Revision."
This Outcome Value is in the Economic category reporting on the # of revised zoning codes incorporating resiliency adopted.

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

This metric was completed in January 2018. Norfolk City Council passed the new zoning ordinance that inclusive of resilience provisions on January 23, 2018.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# zoning amendments passed	0	1/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



Grantee Activity Number:	06-OV-LTC-C/OR-02
Activity Title:	OV-LTC Code/Ordinance Revision NDR - Resilience OV

Activity Category:
NDR - Resilience Value

Project Number:
06-OV

Projected Start Date:
01/01/2014

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Outcome Values

Projected End Date:
01/17/2017

Completed Activity Actual End Date:

Responsible Organization:
Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the LTC Project # 04-LTC-01 titled "Code/Ordinance Revision."
This Outcome Value is in the Resiliency category reporting on the # of new structures built to 3 ft. freeboard .
Norfolk proposes it will achieve 20 of these between 2014-2017.

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

There were no new houses built at 3 feet above the base flood elevation in the 100 year floodplain in this reporting period.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of new structures built to 3 ft.	0	1/20



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:	06-OV-LTC-NFIP-01
Activity Title:	OV-LTC %Decrease NFIP CRS Score NDR - Resilienc OV

Activity Category:
NDR - Resilience Value

Project Number:
06-OV

Projected Start Date:
10/28/2015

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Outcome Values

Projected End Date:
01/17/2017

Completed Activity Actual End Date:
05/01/2018

Responsible Organization:
Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the LTC Project # 04-LTC-05 titled "NFIP Community Rating System."
 This Outcome Value is in the Resiliency category reporting on the % decrease in NFIP CRS score.
 This was listed in our spreadsheet given to us by HUD as both a Economic and Resiliency Value, however could only locate the metric under the Resiliency Value (see attachment).
 Norfolk proposes a 20% decrease.

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

This metric was completed in May 2018 when Norfolk received a CRS score of 7.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% decrease in NFIP CRS score	0	26/20

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:	06-OV-LTC-RF/SF-01
Activity Title:	OV-LTC Recurrent Flooding/Stor NDR - Resilience OV

Activity Category:
NDR - Resilience Value

Project Number:
06-OV

Projected Start Date:
01/01/2014

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Outcome Values

Projected End Date:
01/17/2017

Completed Activity Actual End Date:

Responsible Organization:
Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the LTC Project # 04-LTC-03 titled "Recurrent Flooding/Stormwater Fund."
This Outcome Value is in the Resiliency category reporting on the, "# of storm water projects implemented."

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

There were no new stormwater projects implemented in this reporting period.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of storm water projects	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:	06-OV-LTC-RS-01
Activity Title:	OV-LTC Resiliency Strategy NDR - Resilien OV

Activity Category:

NDR - Resilience Value

Project Number:

06-OV

Projected Start Date:

10/28/2015

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Outcome Values

Projected End Date:

01/17/2017

Completed Activity Actual End Date:

10/28/2015

Responsible Organization:

Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the LTC Project # 04-LTC-04 titled "Resiliency Strategy."
 This Outcome Value is in the Resiliency category reporting on the, "#of resiliency strategies released."
 This was listed in our spreadsheet given to us by HUD as an Economic, Environmental, Resiliency, and Social Value. Norfolk proposes 1 strategy for each Outcome Value. (see attachment for the HUD developed and approved Metrics).

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

This metric was completed. The City of Norfolk's Resiliency Strategy was released on October 28, 2015.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of resiliency strategies released	0	1/1



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	06-OV-LTC-ZOR-01
Activity Title:	OV-LTC Zoning Ordinance Revisi NDR - Resilience OV

Activity Category:
NDR - Resilience Value

Project Number:
06-OV

Projected Start Date:
09/09/2014

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
Outcome Values

Projected End Date:
01/17/2017

Completed Activity Actual End Date:
01/23/2018

Responsible Organization:
Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the LTC Project # 04-LTC-02 titled "Zoning Ordinance Revision."
This Outcome Value is in the Resiliency category reporting on the, "# of revised zoning codes incorporating resiliency adopted."

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

This metric was completed in January 2018. Norfolk City Council passed the new zoning ordinance that is inclusive of the resilience provisions on January 23, 2018.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of revised zoning codes	0	1/1



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



Grantee Activity Number:	06-OV-OCW-01
Activity Title:	OV-OCW NDR - Economic OV

Activity Category:

NDR - Economic Value

Project Number:

06-OV

Projected Start Date:

01/17/2017

Benefit Type:

()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the NDR Project # 02-NDR titled "Ohio Creek Watershed."

These Outcome Values are in the Economic category reporting on the, "% increase in median property value of homes in project area."

The Baseline is \$128,000.00

Norfolks current goal is to maintain the median property value at the current levels and prevent it from declining. The median property value of homes in the project area has decreased by approximately 2-3% since 2013. The ultimate long-term goal is to increase the median property value but that is unlikely to happen until after the completion of the project.

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

The changes on the median property value of homes are expected to be realized after the completion of the project.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% increase in median property	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:	06-OV-OCW-02
Activity Title:	OV-OCW NDR - Environmental OV

Activity Category:
NDR - Environmental Value

Activity Status:
Under Way

Project Number:
06-OV

Project Title:
Outcome Values

Projected Start Date:
01/17/2017

Projected End Date:
09/30/2022

Benefit Type:
()

Completed Activity Actual End Date:

National Objective:
Low/Mod

Responsible Organization:
Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the NDR Project # 02-NDR titled "Ohio Creek Watershed."
 These Outcome Values are in the Environmental category reporting on the, "# of acres of parks created,# of acres of rain gardens created,# of linear feet of shoreline restored, # of linear feet of trails constructed, # of trees planted in project area, and % reduction in TMDL pollutant loads."
 Baseline:
 # of trees planted in project area - 1463
 % reduction in TMDL pollutant loads - Nitrogen Pollutant Load- 6,885 lbs/yr, Required Reduction- 557 lbs/yr; Phosphorous

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The benefits won't be realized until after the completion of the project.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear feet of trails	0	0/1000
# of acres of parks created	0	0/5
# of acres of rain gardens created	0	0/1
# of linear feet of shoreline	0	0/2200
# of trees planted in project area	0	0/200
% reduction in TMDL pollutant	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:	06-OV-OCW-03
Activity Title:	OV-OCW NDR - Resilience OV

Activity Category:

NDR - Resilience Value

Project Number:

06-OV

Projected Start Date:

01/17/2017

Benefit Type:

()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the NDR Project # 02-NDR titled "Ohio Creek Watershed."
 These Outcome Values are in the Resiliency category reporting on the, "# of linear miles no longer experience flooding, # of reduced hours streets are flooded, and \$ estimated value of flood loss avoided."
 # of linear miles no longer experience flooding - The best estimate of the projected outcome - the coastal storm surge modeling that will be conducted during the design/engineering phase will establish the baseline and a more accurate projected outcome.
 # of reduced hours streets are flooded - The best estimate of the projected outcome. Coastal storm surge modeling that we will conduct during the design phase will help us establish the baseline and a more accurate projected outcome.
 \$ estimated value of flood loss avoided - This is an estimated annual benefit based on modeling of coastal storm surge with 2.5 feet of sea level rise. Coastal storm surge modeling that we will conduct during the design phase will help us establish the baseline and a more accurate projected outcome. The Baseline for this outcome is 0

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The benefits won't



be realized until after the completion of the project.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of linear miles no longer	0	0/2
# of reduced hours streets are	0	0/5
\$ estimated value of flood loss	0	0/327623

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:	06-OV-OCW-04
Activity Title:	OV-OCW NDR - Social OV

Activity Category:

NDR - Social Value

Project Number:

06-OV

Projected Start Date:

01/17/2017

Benefit Type:

()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Norfolk

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
Norfolk	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the NDR Project # 02-NDR titled "Ohio Creek Watershed." These Outcome Values are in the Social category reporting on the, "# of small water retention devices/systems installed, and % increase in "Walk Score."

Baseline:

of small water retention devices/systems installed - 0

% increase in "Walk Score" - 17

Location Description:

The location consists of the entire area within the full legal boundaries of the City of Norfolk.

Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The benefits won't be realized until after the completion of the project.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of small water retention	0	0/10
% increase in "Walk Score"	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:	06-OV-RISE-01
Activity Title:	OV-RISE NDR - Economic OV

Activity Category:

NDR - Economic Value

Project Number:

06-OV

Projected Start Date:

01/17/2017

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

Outcome Values

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Coastal Community Resilience, Inc.

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
Coastal Community Resilience, Inc.	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

Outcome Value tied to the NDR Project # 03-NDR titled "Coastal resiliency Laboratory & Accelerator Center." These Outcome Values are in the Economic category reporting on the, "# of businesses formed as a result of the Coastal Resilience Incubator and Laboratory, # of businesses participating in the Coastal Resilience Incubator and Laboratory, # of projects brokered by the Coastal Resilience Incubator and Laboratory, and # of resiliency products and technologies with commercial applications developed."

Location Description:

The project location has a regional focus which includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg, the Town of Smithfield and the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York.

Activity Progress Narrative:

Awaiting metrics realignment to report on outcome values.



Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of businesses formed as a result	0	0/15
# of businesses participating in the	0	0/10
# of projects brokered by the	0	0/20
# of resiliency products and	0	0/15

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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

Project # / Title: 07-NDR-PI Account / Coastal Resilience Laboratory &

Grantee Activity Number:	07-NDR-01 PI
Activity Title:	RISE Program Income

Activity Category:

Econ. development or recovery activity that creates/retains

Project Number:

07-NDR-PI Account

Projected Start Date:

01/17/2017

Benefit Type:

Direct (Person)

National Objective:

Low/Mod

Activity Status:

Planned

Project Title:

Coastal Resilience Laboratory & Accelerator Center PI

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

Coastal Community Resilience, Inc.

Overall	Oct 1 thru Dec 31, 2018	To Date
Total Projected Budget from All Sources	N/A	\$20,000.00
Total Budget	\$0.00	\$20,000.00
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
Coastal Community Resilience, Inc.	\$0.00	\$0.00
Most Impacted and Distressed Expended	\$0.00	\$0.00
Match Contributed	\$0.00	\$0.00

Activity Description:

An account set up for earned program income that is generated from the Innovation Loan Pool. Program income will be recycled for additional loans to resiliency related businesses.

Location Description:

This is a regional activity which includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg, the Town of Smithfield, the Counties of Gloucester, Isle of Wight, James City, Southampton, Surry, and York.

Activity Progress Narrative:

No program income.

Accomplishments Performance Measures

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

Beneficiaries Performance Measures

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod%
# of Permanent Jobs Created	0	0	0	0/1	0/1	0/2	0
# of Permanent Jobs Retained	0	0	0	0/0	0/0	0/0	0

	This Report Period			Cumulative Actual Total / Expected			
	Low	Mod	Total	Low	Mod	Total	Low/Mod
# of Persons	0	0	0	0/1	0/1	0/2	0

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

