

**Grantee: Rhode Island**

**Grant: B-13-DS-44-0001**

**October 1, 2018 thru December 31, 2018 Performance**

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**Grant Number:**

B-13-DS-44-0001

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

Rhode Island

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

Submitted - Await for Review

**Grant Award Amount:**

\$19,911,000.00

**Grant Status:**

Active

**QPR Contact:**

Laura Sullivan

**LOCCS Authorized Amount:**

\$19,911,000.00

**Estimated PI/RL Funds:**

\$0.00

**Total Budget:**

\$19,911,000.00

## Disasters:

### Declaration Number

FEMA-4089-RI

## Narratives

### Disaster Damage:

**HURRICANE SANDY IMPACTS** Hurricane Sandy (FEMA-4089-DR) made landfall in New Jersey on Monday, October 29, 2012. Its enormous dimensions (tropical force winds spanned almost 900 miles) created widespread devastation and affected approximately 300,000 Rhode Island residents, or 28% of the State's population. Fortunately, there were no fatalities. Mandatory local evacuations were ordered in eight communities. Approximately 122,000 homes and businesses lost electricity as a result of the storm. An estimated 40,000 remained without power for two or more days. The highest concentration of damages resulting from Hurricane Sandy and its storm surge were located in the southern coastal communities of Newport and Washington Counties (Towns of Westerly, New Shoreham, Charlestown, South Kingstown, Narragansett, and the City of Newport) (See Figure 1). The majority of the damages in these areas occurred from storm surge and wind damage. The storm surge destroyed houses and businesses, damaged pilings and deck supports, blew out walls on lower levels, and moved significant amounts of sand and debris into homes, businesses, streets, and adjacent coastal ponds. Septic systems were damaged and underground septic tanks were exposed, creating potential hazardous material exposure. Wind damage left downed trees and branches on homes, businesses, utility lines, and roadways. The National Guard restricted entry to the community of Misquamicut (located in the Town of Westerly) due to the devastation. In addition to severe impacts to homes and businesses, public buildings, roads, bridges, and related infrastructure experienced extensive impacts. Applications for FEMA Public Assistance indicate over \$7.7 million in losses to public property. Large scale disruptions of normal community functions and services resulted. Hurricane Sandy's storm surge, damage, and debris closed local and State roads along the coast for varying lengths of time. Sections of Atlantic Avenue in Westerly, Corn Neck Road in New Shoreham, Surfside Avenue in Charlestown and Sachuest Point Road in Middletown were inaccessible by vehicle. The State's ports were temporarily closed and ferry service to New Shoreham was cancelled for several days. The U.S. Fish and Wildlife Refuge at Sachuest Point remained closed for over six months after Hurricane Sandy swept Rhode Island. Sections of Newport's famous Cliff Walk and Narragansett's seawall were damaged. In Washington County, Charlestown, Narragansett, New Shoreham, South Kingstown, and Westerly suffered extensive beach erosion. Beaches must be restored in order to ensure the viability of the tourism, hospitality, and fishery industries. Public facilities, beaches, and parks in both counties must be restored to attract the visitors that support these local industries. RESPONSE Municipalities, voluntary organizations, state agencies, and FEMA mobilized immediately. Municipal officials worked around the clock to coordinate and implement debris removal, emergency response, volunteer assistance, infrastructure repairs, damage assessments, information clearinghouses, and other response efforts. R.I. Emergency Management Agency (RIEMA) opened the Emergency Operations Center and activated volunteer structural damage assessment teams. RIEMA and FEMA established a Joint Field

### Disaster Damage:

d Office that remained open through February 2013. Disaster Recovery Centers were opened to provide assistance to survivors. The Department of Emergency Management (DEM) and the Coastal Resources Management Council (CRMC) expedited permitting, waived fees, and coordinated onsite septic system assessments with the Towns of Westerly and Charlestown. Rhode Island Volunteer Organizations Active in Disaster (RI VOAD) provided an assistance hotline through 2-1-1/United Way.



## Recovery Needs:

ative Marketing of Low- and Moderate-Income Housing available at [www.rhodeislandhousing.org/filelibrary/FHpolicy\\_jointstatement\\_062509.pdf](http://www.rhodeislandhousing.org/filelibrary/FHpolicy_jointstatement_062509.pdf).

OHCD will provide information on actions taken to affirmatively further fair housing in future quarterly reports.

## Recovery Needs:

### HOUSING UNMET NEEDS

Physical damages and indirect impacts both contribute to unmet housing needs. Estimated unmet housing needs exceeded federal assistance by over \$8 million. VOAD and the two community development corporations that operate the majority of CDBG Housing Rehabilitation Programs in Washington and Newport Counties have experienced limited demand for assistance.

Specific unmet housing needs identified to date include:

- Damages and debris removal at transitional housing and public housing authorities;
- Rehabilitation/mitigation of private homes occupied by LMI households;
- Flood risk identification;
- Financial counseling; and
- New construction of affordable housing outside of flood hazard areas.

Hurricane Sandy caused roof damage at non-profit, scattered site housing and Public Housing Authority properties across both counties that was not fully covered by insurance. At Newport Housing Authority, on-site utilities were damaged. In Narragansett, housing authority units and four town-owned single family residences were damaged. In South Kingstown, four transitional housing units were damaged.

RI VOAD has resolved or referred Sandy residential cases in Washington and Newport Counties. RI VOAD member organizations are encouraged to refer potentially eligible cases with unmet needs to the appropriate community development corporation (CDC) or municipality for submission to OHCD. To date, CDCs and municipalities have received several requests for repairs.

Occupants of housing in 100-year floodplains or Special Flood Hazard Areas (SFHA) and LMI areas are doubly disadvantaged. These two pre-existing conditions make these areas especially vulnerable to tropical systems and other storm events. The lack of financial resources combined with low-lying housing and infrastructure inhibits long-term recovery from Hurricane Sandy. These areas are further stressed by the impact of increasing flood insurance rates.

Owners of many older, non-conforming structures covered by the National Flood Insurance Program (NFIP) may face flood insurance increases of up to 18% per year, depending upon the flood zone where the structure resides as well as date and type of construction. These increased costs on residents and communities with high rates of housing cost burden could result in the displacement of LMI households and increased risk of homelessness. This would create an untenable situation for impacted households, and would destabilize long-term Hurricane Sandy recovery in these affected areas.

Using GIS data, RIEMA has estimated that there are over 800 residential buildings in the area impacted by Hurricane Sandy that meet the following criteria: 1) located in 100-year floodplains/Special Flood Hazard Areas (SFHA); and 2) located in predominately LMI census geographies. At an estimated \$600 per structure, the projected cost of flood risk identification for qualifying structures exceeds \$487,000.

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The number of residential structures in these areas demonstrates the need for services and activities that reduce flood risk and enable informed decision-making about mitigation

## Recovery Needs:

od insurance premiums and identification of appropriate flood-proofing measures are based on elevation certificates. Residents of LMI census areas do not have the resources to obtain elevation certificates. Without elevation certificates, LMI households face uncertain increases in the costs of flood insurance premiums (or rents) and unknown mitigation costs. Consequently, they are unable to make informed housing decisions.

Construction of new affordable housing in the Sandy impacted area will provide an alternative to LMI households that choose to remain in the area, but relocate outside of special flood hazard areas.

Hurricane Sandy demonstrated the shortage of homeless shelter beds in Washington County, specifically the Westerly area. Despite the cancellation of public bus service, the WARM Shelter in Westerly was at 105% capacity. The Westerly area had insufficient homeless shelter beds for individual adults to meet the need during Hurricane Sandy. Just over three months later, during Winter Storm Nemo, WARM's individual and family shelters were at 100% capacity.

The majority of the State's housing stock dates to 1970 or earlier. Residential buildings damaged by Sandy may also have code violations, lead, or asbestos that can be remediated with CDBG-DR funds. Funded residential rehabilitation projects will be assessed for other housing needs.

Likely barriers to housing recovery include:

- Imminent changes to FEMA maps, base flood elevations, and NFIP insurance rates;
- Uncertainty regarding future flooding risk;
- Need for quantitative evaluation of flood risk;
- Cost of elevating structures;



Pre-existing violations of current building/fire codes; and  
 Presence of lead and asbestos in older homes, and mold in flooded homes.

OHCD will continue to outreach to communities and housing providers to ensure all eligible unmet needs in public housing, HUD-assisted housing, McKinney-Vento funded shelters, housing for the homeless, and other affordable housing units are supported with CDBG-DR funds. By allocating funds to LMI activities and activities meeting other National Objectives in roughly equal proportions, the State is encouraging timely identification of eligible housing activities that benefit low and moderate income households.

Since vacation homes are not eligible for CDBG-DR funds, no assessment of vacation home unmet needs was conducted.

**PUBLIC FACILITIES & INFRASTRUCTURE UNMET NEEDS**

Unmet public facilities and infrastructure needs identified to date include stormwater system repairs, public facilities repair and mitigation, road projects, restoration of coastal features, replacement of trees, and FEMA Public Assistance match. FEMA Public Assistance requires a 25% match, or an estimated \$3.16 million. Outreach to municipalities and state agencies is ongoing. The estimated cost of these projects is \$1.1 million. The estimated cost of these projects is \$1.1 million.

**Recovery Needs:**

Westerly and Kent counties have identified additional major Public Facilities and Infrastructure projects that are ineligible for FEMA PA.

Likely barriers to the recovery of public facilities and infrastructure are:

- Limited resources to mitigate facilities/infrastructure during recovery;
- Uncertainty about future flood risks due to increased storm activity, climate change, and sea level rise;
- Limited municipal capital budgets after extended recession and repeat storm events; and
- Burden on municipal capacity for smaller and most impacted communities.

**ECONOMIC DEVELOPMENT UNMET NEEDS**

Given the preliminary damage assessment, SBA and State loans, and Greater Westerly Chamber Foundation grants are not sufficient to restore small businesses damaged by Hurricane Sandy. OHCD is reviewing three economic recovery proposals received to date and anticipates funding economic recovery projects in amendments to this Action Plan.

Actual unmet physical damage needs are undetermined, due to lack of data. Likely barriers to small business recovery include:

- Limited insurance benefits, due in part to locations in special flood hazard areas;
- Septic system reconstruction requirements (costs and siting);
- Shortage of a workforce trained in the design, construction, and maintenance of green infrastructure;
- Dependence on seasonal cash flow; and
- Dependence on coastal beaches and other tourist attractions damaged by Hurricane Sandy.

As additional data becomes available, OHCD will work to identify additional unmet needs that if met, will retain or create jobs for LMI persons.

Beaches must be restored in order to ensure the viability of the tourism, hospitality, and fishery industries. Public facilities, beaches, and parks in both counties must be restored to attract the visitors that support these local industries.

**FAIR HOUSING**

The State of Rhode Island is cognizant of federal requirements to affirmatively further fair housing. In CDBG and CDBG-DR contract documents, OHCD requires sub-recipients to take action(s) to affirmatively further fair housing. In order to receive assistance from the state, all subsidized units must be available to the general public and must be marketed pursuant to an approved affirmative fair marketing plan. (This requirement does not apply to units exempt under federal law, such as owner-occupied units.) At a minimum, such a plan must include an analysis of those populations less likely to apply for housing in the area in which the development is located and a targeted marketing program to reach those populations. In addition to the affirmative fair marketing plan, the housing must be distributed in accordance with an approved resident selection plan that is fair, open and transparent.

Over the course of the last five years, Rhode Island has engaged in a number of proactive activities to promote Fair Housing: education and outreach, including Fair Housing stakeholder meetings; production of a Technical Assistance Kit, available at FairHousingRI.org; and establishment of a State policy on Affirmative Fair Housing Marketing.

<b>Overall</b>	<b>This Report Period</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$19,911,000.00
<b>Total Budget</b>	\$0.00	\$19,911,000.00
<b>Total Obligated</b>	\$159.72	\$19,580,138.67
<b>Total Funds Drawdown</b>	\$439,012.39	\$16,287,186.28
<b>Program Funds Drawdown</b>	\$439,012.39	\$16,287,186.28

<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$439,012.39	\$16,287,186.28
<b>Most Impacted and Distressed Expended</b>	\$326,277.21	\$14,790,915.41
<b>Match Contributed</b>	\$0.00	\$1,598,869.06

## Progress Toward Required Numeric Targets

<b>Requirement</b>	<b>Target</b>	<b>Actual</b>
<b>Overall Benefit Percentage (Projected)</b>		63.50%
<b>Overall Benefit Percentage (Actual)</b>		59.60%
<b>Minimum Non-Federal Match</b>	\$0.00	\$1,598,869.06
<b>Limit on Public Services</b>	\$2,986,650.00	\$0.00
<b>Limit on Admin/Planning</b>	\$3,982,200.00	\$2,734,605.49
<b>Limit on Admin</b>	\$995,550.00	\$862,559.15
<b>Most Impacted and Distressed Threshold (Projected)</b>	\$15,132,360.00	\$16,294,825.32

## Overall Progress Narrative:

The State continues to provide a significant amount of technical assistance to grantees on an ongoing basis via telephone and email. Hurricane Sandy DR funding in the amount of approx. \$486,000 was awarded for eligible activities in Newport and Washington Counties, in part due to a few projects completing under budget. Action Plan V13 was submitted to HUD and approved by HUD, with three new activities in Westerly, South Kingstown, and Newport. Due to the shutdown, the DRGR Action Plan has not yet been updated to match published AP V13. One activity was monitored and one was closed out this quarter.

## Project Summary

<b>Project #, Project Title</b>	<b>This Report Period</b>	<b>To Date</b>	
	<b>Program Funds Drawdown</b>	<b>Project Funds Budgeted</b>	<b>Program Funds Drawdown</b>
1, R1_Administration	\$0.00	\$40,000.00	\$40,000.00
1-AP-V11, R7_Administration	\$27,650.38	\$172,743.99	\$39,753.14
1-AP-V3, R2_Administration	\$0.00	\$213,857.13	\$213,857.13
1-AP-V4, R3_Administration	\$0.00	\$259,343.09	\$259,343.09
1-AP-V4 (Ext), R3_Administration (Ext)	\$0.00	\$76,799.77	\$76,799.77
1-AP-V5, R4_Administration	\$0.00	\$184,698.37	\$184,698.37
1-AP-V7, R5_Administration	\$0.00	\$48,107.65	\$48,107.65
2, R1_Public Facilities and Infrastructure	\$0.00	\$559,071.22	\$559,071.22
2-AP-V11, R7_Public Facilities and Infrastructure	\$191,623.31	\$2,624,096.96	\$746,528.95
2-AP-V3, R2_Public Facilities and Infrastructure	\$0.00	\$1,837,025.89	\$1,837,025.89
2-AP-V4, R3_Public Facilities and Infrastructure	\$0.00	\$2,571,773.89	\$2,571,773.89



2-AP-V4 (Ext), R3_Public Facilities and Infrastructure (Ext)	\$0.00	\$2,042,702.76	\$2,042,702.76
2-AP-V5, R4_Public Facilities and Infrastructure	\$0.00	\$778,609.98	\$778,609.98
3, R1_Housing	\$0.00	\$2,303.23	\$2,303.23
3-AP-V11, R7_Housing	\$43,888.42	\$794,023.95	\$233,292.83
3-AP-V3, R2_Housing	\$0.00	\$203,712.79	\$203,712.79
3-AP-V4, R3_Housing	\$0.00	\$1,142,087.17	\$1,142,087.17
3-AP-V4 (Ext), R3_Housing (Ext)	\$0.00	\$1,084,853.47	\$1,084,853.47
3-AP-V5, R4_Housing	\$0.00	\$2,326,381.06	\$2,326,381.06
5, R1_Public Services & Code Enforcement	\$0.00	\$24,237.55	\$24,237.55
5-AP-V4, R3_Public Services & Code Enforcement	\$0.00	\$0.00	\$0.00
6-AP-V11, R7_Planning	\$150,484.15	\$1,486,754.10	\$436,316.19
6-AP-V3, R2_Planning	\$0.00	\$437,398.11	\$437,999.19
6-AP-V4, R3_Planning	\$0.00	\$77,368.85	\$77,368.85
6-AP-V5, R4_Planning	\$0.00	\$448,255.59	\$448,255.59
6-AP-V7, R5_Planning	\$0.00	\$299,192.35	\$299,192.35
6-AP-V9, R6_Planning	\$25,366.13	\$175,000.00	\$172,914.17



## Activities

**Project # / Title:** 1-AP-V11 / R7\_Administration

**Grantee Activity Number:** RI-06

**Activity Title:** R7\_Administration

**Activity Category:**

Administration

**Activity Status:**

Under Way

**Project Number:**

1-AP-V11

**Project Title:**

R7\_Administration

**Projected Start Date:**

09/30/2017

**Projected End Date:**

09/30/2019

**Benefit Type:**

( )

**Completed Activity Actual End Date:**

**National Objective:**

N/A

**Responsible Organization:**

State of Rhode Island2

Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$172,743.99
<b>Total Budget</b>	\$0.00	\$172,743.99
<b>Total Obligated</b>	\$0.00	\$172,743.99
<b>Total Funds Drawdown</b>	\$27,650.38	\$39,753.14
<b>Program Funds Drawdown</b>	\$27,650.38	\$39,753.14
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$27,650.38	\$39,753.14
State of Rhode Island2	\$27,650.38	\$39,753.14
<b>Most Impacted and Distressed Expended</b>	\$22,120.30	\$31,802.51
<b>Match Contributed</b>	\$0.00	\$0.00

### Activity Description:

State administration activities shall include record-keeping, monitoring, technical assistance provision to sub-grantees, financial management, and other program management activities.

V12: Activity RI-05 split into RI-05 and RI-06 to restore funding round values. Total state admin amount unchanged.

### Location Description:

State program administration to be conducted at the State Offices, located in Providence, RI. Actual grant activities to be conducted statewide.

### Activity Progress Narrative:

The State continues to provide a significant amount of technical assistance to grantees on an ongoing basis via telephone and email. Hurricane Sandy DR funding in the amount of approx. \$486,000 was awarded for eligible



activities in Newport and Washington Counties, in part due to a few projects completing under budget. Action Plan V13 was submitted to HUD and approved by HUD, with three new activities in Westerly, South Kingstown, and Newport. Due to the shutdown, the DRGR Action Plan has not yet been updated to match published AP V13. One activity was monitored and one was closed out this quarter.

## Accomplishments Performance Measures

No Accomplishments Performance Measures

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

**Project # / Title:** 2-AP-V11 / R7\_Public Facilities and Infrastructure

**Grantee Activity Number:** BL-01

**Activity Title:** R7\_Bristol Tanyard Brook Culvert

**Activity Category:**

Rehabilitation/reconstruction of a public improvement

**Project Number:**

2-AP-V11

**Projected Start Date:**

06/01/2018

**Benefit Type:**

Area ( )

**National Objective:**

Low/Mod

**Activity Status:**

Planned

**Project Title:**

R7\_Public Facilities and Infrastructure

**Projected End Date:**

09/30/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of Bristol





<b>Overall</b>	<b>Oct 1 thru Dec 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,473,150.91
<b>Total Budget</b>	\$0.00	\$1,473,150.91
<b>Total Obligated</b>	\$0.00	\$1,473,150.91
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Town of Bristol	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

### **Activity Description:**

Tanyard Brook floods an area of low-moderate income homes, damaging property and closing roads during high-intensity rain events, including Hurricanes Sandy and Irene. As evidence of this flooding occurrence, during Hurricanes Sandy and Irene, the Town distributed sand bags to properties within this neighborhood as depicted on the map and sand bag logs in the application. Specifically, the sand bags were distributed to properties that are directly impacted by the brook. This project is designed to remedy flooding that occurs in the Tanyard Brook neighborhood.

Phase 2A (the current proposed project) consists of replacing the existing culvert with a 3 ft x 8 ft box culvert from Richmond Street to Garfield Avenue. The culvert will provide long-term relief from flooding for most storms (up to and including the 10-year event), provide structural integrity, and will require minimal maintenance by the Town.

The Tanyard Brook Culvert Replacement Project was divided into Phases and includes the replacement of the entire existing piped and stone-lined channel with a new concrete box culvert from the Reservoir to the outfall at Walker's Cove in the southern end of Bristol Harbor. Phase 1 work spanned from Garfield Avenue to the outfall in Bristol Harbor and was completed in 2014. Phase 2 work will span from the Tanyard Reservoir and culminate where Phase 1 work left off at Garfield Avenue. This grant supports Phase 2A from Garfield Avenue to Richmond Street.

### **Location Description:**

Between Garfield Avenue and Richmond Street in the Town of Bristol, Bristol County (Statewide)

### **Activity Progress Narrative:**

Culvert construction has been ongoing this quarter. OHCD staff conducted a technical assistance site visit on 10/31 to review tasks and record keeping requirements with a new CDBG staffer.

### **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

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**Grantee Activity Number: NK-03**

**Activity Title: R7\_Intrepid Drive Sewers**

**Activity Category:**

Construction/reconstruction of water/sewer lines or systems

**Activity Status:**

Under Way

**Project Number:**

2-AP-V11

**Project Title:**

R7\_Public Facilities and Infrastructure

**Projected Start Date:**

01/01/2018

**Projected End Date:**

09/01/2019

**Benefit Type:**

Area ( )

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

Town of North Kingstown

Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$196,929.01
<b>Total Budget</b>	\$0.00	\$196,929.01
<b>Total Obligated</b>	\$0.00	\$196,929.01
<b>Total Funds Drawdown</b>	\$191,623.31	\$191,623.31
<b>Program Funds Drawdown</b>	\$191,623.31	\$191,623.31
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$191,623.31	\$191,623.31
Town of North Kingstown	\$191,623.31	\$191,623.31
<b>Most Impacted and Distressed Expended</b>	\$191,623.31	\$191,623.31
<b>Match Contributed</b>	\$0.00	\$0.00

**Ancillary Activities**

Responsible Organization	Activity Type	Project #	Grantee Activity #	Activity Title	Program Income Account
Town of North Kingstown	Construction/reconstruction of water/sewer lines or systems	2-AP-V4 (Ext)	NK-01-E	R3E_Intrepid Drive Sewers	General Account

**Activity Description:**

During Hurricane Irene, power outages, precipitation, and storm surge all negatively impacted septic systems in the coastal village of Wickford in North Kingstown. The septic system that serves two subsidized housing developments on Intrepid Drive, Wickford Village Apartments (WVA, 129 units) and North Cove Landing (NCL, 38 units), was shut down, forcing dependence on septage haulers. The failure of this system presents a major threat to water quality in Wickford Harbor due to the volume of wastewater that it handles.

Wastewater treatment at WVA and NCL is a critical service that was interrupted during Hurricane Irene. Had overflows of untreated sewage occurred at this site, the water quality in Wickford Harbor would have been severely harmed. Wickford Harbor is now classified by the USEPA as an "Impaired Body of Water." The cause of impairment is categorized as "organic enrichment/oxygen depletion." There are no direct source contributions to the pollution, only non-point sources, largely on-site septic systems.

Construction of new 4,200 lf of sewer force main in the town right-of-way along Intrepid Drive, and a new pump station to handle sewage from 167 housing units in (319 residents, mostly LMI, two developments: Wickford Village Apts., North Cove Landing). Pump station components will be elevated above base flood elevation and/or flood-



proofed. Replaces existing septic for the two developments. Projected flow 34,730 gallons/day from housing units. CDBG-DR funds are proposed for 60% of force main and pump station costs, prorated to the projected flow from the housing units as a percentage of overall projected flow.

June 2016: Budget adjusted from \$1,465,000 to \$1,372,867.33 to comply with grant agreement. (Balance transferred to activity # DEM-02 within DRGR Project 2-AP-V4.)

V7: Activity budget restored to \$1,465,000. Offset no longer needed to meet obligation deadline.

March 2017: Activity included in approved R3 extension. Since no funds drawn to date, "E" designation added to activity title and number.

V11b: Sewer tie-ins will be needed at each building, instead of a single tie-in at the septic sand filter, as originally anticipated. The cost of the tie-in construction phase is now estimated at \$766,300, for a total DR cost of \$1,826,618 for both phases. The NK-02 budget phase is now increased from \$35,000 to \$361,618. It will be increased to the total phase amount in a future quarter, when an offsetting reduction in NK-01-E can be made.

V12: Activity budgets for NK-01-E and NK-02 modified (see above). NK-02 moved to Round 7 Project to restore funding round values.

August 2018: Adjustments to activities WY-10, WY-10-E, NK-01-E and creation of NK-03 (phase of NK-01-E) to meet expenditure deadlines. Total budgets for Westerly Culverts and NK Intrepid Sewers remain the same.

### Location Description:

Washington County. Intrepid Drive, North Kingstown.

### Activity Progress Narrative:

The issue regarding Davis Bacon wage rates is ongoing. The Town has formally requested a written determination from the USDOL and hopes to achieve resolution after the shutdown.

### 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:** NS-01

**Activity Title:** R7\_Block Island Landfill

**Activity Category:**

Rehabilitation/reconstruction of public facilities

**Project Number:**

2-AP-V11

**Projected Start Date:**

02/01/2016

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Planned

**Project Title:**

R7\_Public Facilities and Infrastructure

**Projected End Date:**

12/31/2018

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of New Shoreham

<b>Overall</b>	<b>Oct 1 thru Dec 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$330,456.05
<b>Total Budget</b>	\$0.00	\$330,456.05
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Town of New Shoreham	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Repairs and/or reconstruction of the landfill.

Hurricane Sandy wave action caused erosion on Block Island's coastline, including at the site of a capped landfill. The new erosion exposed previously buried trash to wind and waves.

Sept 2017: Budget temporarily reduced. Funds temporarily transferred to an existing phased activity with incremental obligations (CN-10) for timely processing of payments. When the next incremental obligation is available in DRGR, funds will be restored to NS-01.

V11: Budget increased to match published Action Plan V11. Supplemental funds, up to \$452,221, may be awarded to cover additional costs associated with this activity, or may be distributed to other CDBG-DR activities as necessary to cover other costs.

V11b: The Town's contract has expired and funds have been deobligated. OHCD will request cancellation of this activity in the next substantial amendment to the Action Plan. Budget adjusted from \$2,152,221 to \$1,792,313 as deobligated funds are awarded to other activities.

V12: Budget adjusted from \$1,792,313 to \$330,456 as deobligated funds are awarded to other activities (see new activity BL-01). When all funds have been awarded to other activities, OHCD will request cancellation of this activity via a substantial amendment. Activity moved from R4 to R7 to reestablish Rounds.

**Location Description:**

Washington County. West Beach Rd. New Shoreham/Block Island



### Activity Progress Narrative:

This activity will be cancelled next quarter, concurrent with an update of DRGR to match Action Plan v13.

### 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

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**Project # / Title:** 2-AP-V3 / R2\_Public Facilities and Infrastructure

**Grantee Activity Number:** SK-02

**Activity Title:** R2\_South Kingstown Senior Center Improvements

**Activity Category:**

Rehabilitation/reconstruction of public facilities

**Project Number:**

2-AP-V3

**Projected Start Date:**

05/01/2015

**Benefit Type:**

Area ( )

**National Objective:**

Low/Mod

**Activity Status:**

Completed

**Project Title:**

R2\_Public Facilities and Infrastructure

**Projected End Date:**

04/30/2017

**Completed Activity Actual End Date:**

12/29/2016

**Responsible Organization:**

Town of South Kingstown



Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$96,871.00
<b>Total Budget</b>	\$0.00	\$96,871.00
<b>Total Obligated</b>	\$0.00	\$96,871.00
<b>Total Funds Drawdown</b>	\$0.00	\$96,871.00
<b>Program Funds Drawdown</b>	\$0.00	\$96,871.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$96,871.00
Town of South Kingstown	\$0.00	\$96,871.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$96,871.00
<b>Match Contributed</b>	\$0.00	\$0.00

### Activity Description:

Improvements, including purchase and installation of a fixed generator, exterior rehabilitation (replacement of windows, doors, siding) and energy efficiency upgrades (install and/or replace insulation, and ceiling) to avoid interruption of critical services for seniors.

The South Kingstown Senior Center provides critical services for the elderly, including meals, adult day care, and access to health care, as well as other programs. During Hurricane Sandy, the Senior Center power was out for a period of five days, preventing the Senior Services Department from providing essential services such as the federally funded Title IIIIC congregate meal program, as well as the local Meals on Wheels program for homebound seniors. Lack of power prevented the Center from serving as a central gathering point for local social service organizations to assist the elderly population with arranging for post event tasks such as clean up, repairs, and health care priorities.

V5: The round was changed from 2 to 3, consistent with published Action Plan V5, to meet expenditure projections.

V6: The Annex Building renovations were removed from the scope of this activity. The generator improvements to the main building remain in the scope of work. The Town has received alternative funding for the Annex improvements. The activity budget was reduced from \$180,000 to \$96,871 to match actual CDBG-DR expenditures.

V6: Round changed from 3 to 2, consistent with published Action Plan V6, to meet expenditure deadline.

### Location Description:

Washington County. 25 and 36 St. Dominic Road, South Kingstown, RI

### Activity Progress Narrative:

Closeout data entered.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of public facilities	1	2/1

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.



## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

**Project # / Title:** 2-AP-V4 / R3\_Public Facilities and Infrastructure

**Grantee Activity Number:** NT-03

**Activity Title:** R3\_Stanton Ave WW Pump Station Improvements

### Activity Category:

Rehabilitation/reconstruction of public facilities

### Project Number:

2-AP-V4

### Projected Start Date:

05/01/2015

### Benefit Type:

Area ( )

### National Objective:

Low/Mod

### Activity Status:

Completed

### Project Title:

R3\_Public Facilities and Infrastructure

### Projected End Date:

04/30/2017

### Completed Activity Actual End Date:

11/02/2016

### Responsible Organization:

Town of Narragansett

### Overall

**Total Projected Budget from All Sources**

**Oct 1 thru Dec 31, 2018**

**To Date**

N/A

\$115,832.17

**Total Budget**

\$0.00

\$115,832.17

**Total Obligated**

\$0.00

\$115,832.17

**Total Funds Drawdown**

\$0.00

\$115,832.17

**Program Funds Drawdown**

\$0.00

\$115,832.17

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00

**Total Funds Expended**

\$0.00

\$115,832.17

    Town of Narragansett

\$0.00

\$115,832.17

**Most Impacted and Distressed Expended**

\$0.00

\$115,832.17

**Match Contributed**

\$0.00

\$0.00





### Activity Description:

The Town is looking to design and install an on-site stand-by power generator (mounted above the base flood elevation) and automatic transfer switch system that would provide full power to the site during line power outages. The pump station serves approximately 668 accounts with average daily flow of 110,000-135,000 gallons.

The storm surge from Hurricane Sandy breached the wastewater pump station site, with wave-driven sea water surrounding the facility. Line power in this area was out for about five (5) days; no evacuation order was issued for this tributary area, and people remained at home using water. We were ultimately able to connect a trailer-mounted trash pump to operate in place of the pump station and thus were able to manage this impact without significant damage (this time).

V4: The budget has been reduced from \$175,000 to \$126,000, per the Town's revised cost estimate. In the original letter of interest, the Town estimated the project costs to be \$175,000. The cost estimate by the Town's engineers in the completed application was \$126,000.

V4b: National objective corrected to LMI Area Benefit.

V5: The round was changed from 2 to 3, consistent with published Action Plan V5, to meet expenditure projections.

V7: The activity budget was adjusted from \$126,000 to \$115,832 based on actual costs incurred.

### Location Description:

Washington County. Stanton Avenue, Narragansett, RI  
Area Benefit: Entered under 2000 Census, eligible under both LMISD.

### Activity Progress Narrative:

Closeout data entered.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of public facilities	1	2/1

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

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



**Project # / Title: 2-AP-V4 (Ext) / R3\_Public Facilities and Infrastructure (Ext)**

**Grantee Activity Number: NK-01-E**

**Activity Title: R3E\_Intrepid Drive Sewers**

**Activity Category:**

Construction/reconstruction of water/sewer lines or systems

**Activity Status:**

Under Way

**Project Number:**

2-AP-V4 (Ext)

**Project Title:**

R3\_Public Facilities and Infrastructure (Ext)

**Projected Start Date:**

06/01/2015

**Projected End Date:**

09/12/2018

**Benefit Type:**

Area ( )

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

Town of North Kingstown

Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$863,388.76
<b>Total Budget</b>	\$0.00	\$863,388.76
<b>Total Obligated</b>	\$0.00	\$863,388.76
<b>Total Funds Drawdown</b>	\$0.00	\$863,388.76
<b>Program Funds Drawdown</b>	\$0.00	\$863,388.76
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$863,388.76
Town of North Kingstown	\$0.00	\$863,388.76
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$863,388.76
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

During Hurricane Irene, power outages, precipitation, and storm surge all negatively impacted septic systems in the coastal village of Wickford in North Kingstown. The septic system that serves two subsidized housing developments on Intrepid Drive, Wickford Village Apartments (WVA, 129 units) and North Cove Landing (NCL, 38 units), was shut down, forcing dependence on septage haulers. The failure of this system presents a major threat to water quality in Wickford Harbor due to the volume of wastewater that it handles.

Wastewater treatment at WVA and NCL is a critical service that was interrupted during Hurricane Irene. Had overflows of untreated sewage occurred at this site, the water quality in Wickford Harbor would have been severely harmed. Wickford Harbor is now classified by the USEPA as an "Impaired Body of Water." The cause of impairment is categorized as "organic enrichment/oxygen depletion." There are no direct source contributions to the pollution, only non-point sources, largely on-site septic systems.

Construction of new 4,200 lf of sewer force main in the town right-of-way along Intrepid Drive, and a new pump station to handle sewage from 167 housing units in (319 residents, mostly LMI, two developments: Wickford Village Apts., North Cove Landing). Pump station components will be elevated above base flood elevation and/or flood-proofed. Replaces existing septic for the two developments. Projected flow 34,730 gallons/day from housing units. CDBG-DR funds are proposed for 60% of force main and pump station costs, prorated to the projected flow from the housing units as a percentage of overall projected flow.

June 2016: Budget adjusted from \$1,465,000 to \$1,372,867.33 to comply with grant agreement. (Balance



transferred to activity # DEM-02 within DRGR Project 2-AP-V4.)

V7: Activity budget restored to \$1,465,000. Offset no longer needed to meet obligation deadline.

March 2017: Activity included in approved R3 extension. Since no funds drawn to date, "E" designation added to activity title and number.

V11b: Sewer tie-ins will be needed at each building, instead of a single tie-in at the septic sand filter, as originally anticipated. The cost of the tie-in construction phase is now estimated at \$766,300, for a total DR cost of \$1,826,618 for both phases. The NK-02 budget phase is now increased from \$35,000 to \$361,618. It will be increased to the total phase amount in a future quarter, when an offsetting reduction in NK-01-E can be made.

V12: Activity budgets for NK-01-E and NK-02 modified (see above). NK-02 moved to Round 7 Project to restore funding round values.

August 2018: Adjustments to activities WY-10, WY-10-E, NK-01-E and creation of NK-03 (phase of NK-01-E) to meet expenditure deadlines. Total budgets for Westerly Culverts and NK Intrepid Sewers remain the same.

### Location Description:

Washington County. Intrepid Drive, North Kingstown.

### Activity Progress Narrative:

The issue regarding Davis Bacon wage rates is ongoing. The Town has formally requested a written determination from the USDOL and hopes to achieve resolution after the shutdown.

### 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



<b>Grantee Activity Number:</b>	<b>WY-10-E</b>
<b>Activity Title:</b>	<b>R3E_Westerly Culverts</b>

**Activity Category:**

Rehabilitation/reconstruction of a public improvement

**Project Number:**

2-AP-V4 (Ext)

**Projected Start Date:**

01/01/2017

**Benefit Type:**

Area ( )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

R3\_Public Facilities and Infrastructure (Ext)

**Projected End Date:**

09/12/2018

**Completed Activity Actual End Date:**

11/28/2018

**Responsible Organization:**

Town of Westerly

<b>Overall</b>	<b>Oct 1 thru Dec 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$881,439.01
<b>Total Budget</b>	\$0.00	\$881,439.01
<b>Total Obligated</b>	\$0.00	\$881,439.01
<b>Total Funds Drawdown</b>	\$0.00	\$881,439.01
<b>Program Funds Drawdown</b>	\$0.00	\$881,439.01
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$881,439.01
Town of Westerly	\$0.00	\$881,439.01
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$881,439.01
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Installation of a new culvert under Broad Street and replacement of all connections and structures along the culvert, with capacity to accommodate a 25-year Type III Storm Event. Diversion/relocation of existing water main and utilities, as needed. Removal and disposal, or abandonment and filling of the existing culvert. Filling of adjacent voids.

Hurricane Sandy's storm surge caused the Pawcatuck River USGS gage height to increase from 4.5 ft to 9 ft in under 24 hours. According to USGS records, two of the top four Pawcatuck River tide gage (01118500) spikes in calendar years 2011, 2012, and 2013 are attributed to Sandy and Irene. The high velocity scour from these major storm events damaged existing stone culverts under Broad St. In addition, the peak surge levels created backwater pressure, contributing to void creation in the areas surrounding the culverts.

The damaged culvert and surrounding voids impact the integrity of utilities, fire protection, roadways and flood control in/around Broad Street. A 12-inch water main adjacent to the culvert failed on November 21, 2013, requiring immediate emergency repairs by the Town. During the repair of the water main, significant areas of void space were discovered in subsurface areas along the culvert, both upstream and downstream of the repair location. The extent of the void areas indicate that they were created by the long term transport of underlying soils through gaps in the culvert's stone wall structure. This transport can be largely attributed to major storm surges and peak flows, including those experienced during Sandy and Irene. A new culvert with adequate structural and hydraulic capacity is needed to provide a resilient flood conveyance system through the service area/watershed and protect vital utilities and the roadway.

The budget for this project will be incrementally increased as work proceeds, to ultimately equal the total CDBG-DR award of \$1,505,000.

March 2017: Activity included in approved R3 extension. \$273,163 shifted to this "E" activity from balances of HN-



05, PT-01, RD-02, and SK-04. This activity is linked to WY-10. The total award amount of \$1,505,000 remains unchanged. V11: Budget adjusted to \$303,077 to maintain grant agreement condition/meet expenditure deadlines. This activity is linked to WY-10. The total award amount of \$1,505,000 remains unchanged. V12: WY-10 moved to Round 7 Project to restore funding round values. Adjustment to phase budgets (WY-10 and WY-10-E) to restore funding round values. No change to the aggregate budget for all phases. August 2018: Adjustments to activities WY-10, WY-10-E, NK-01-E and creation of NK-03 (phase of NK-01-E) to meet expenditure deadlines. Total budgets for Westerly Culverts and NK Intrepid Sewers remain the same.

**Location Description:**

Washington County. Broad St. from the Pawcatuck River to High Street

**Activity Progress Narrative:**

Closed out effective 11/28/2018.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of Public	141	141/220

**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	



<b>Grantee Activity Number:</b>	<b>WY-11-E</b>
<b>Activity Title:</b>	<b>R3E_Misquamicut SW Pump Station Improvements</b>

**Activity Category:**  
Rehabilitation/reconstruction of public facilities

**Project Number:**  
2-AP-V4 (Ext)

**Projected Start Date:**  
06/01/2015

**Benefit Type:**  
Area ( )

**National Objective:**  
Urgent Need

**Activity Status:**  
Under Way

**Project Title:**  
R3\_Public Facilities and Infrastructure (Ext)

**Projected End Date:**  
09/12/2018

**Completed Activity Actual End Date:**  
06/27/2018

**Responsible Organization:**  
Town of Westerly

Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$94,151.77
<b>Total Budget</b>	\$0.00	\$94,151.77
<b>Total Obligated</b>	\$0.00	\$94,151.77
<b>Total Funds Drawdown</b>	\$0.00	\$94,151.77
<b>Program Funds Drawdown</b>	\$0.00	\$94,151.77
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$94,151.77
Town of Westerly	\$0.00	\$94,151.77
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$94,151.77
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Harden the facility by changing PVC to stainless steel, adding bollard protection to vent riser, waterproofing, elevating electrical components, etc.

The storm water pump station's electrical components were damaged by storm surge during Hurricane Sandy. Large portions of the stormwater collection area remained flooded for 48 hours due to the damages to this pump station, resulting in delays in sand and debris removal, emergency assessments, placarding of damaged structures, and repairs to buildings. Emergency repairs to the stormwater pump station were made with assistance from the FEMA PA program.

The activity budget has been adjusted from \$100,000 due to updated cost estimates provided by the Town.  
V6: This activity has been phased, linking activities WY-06 and WY-11. The combined activity budget remains unchanged.

March 2017: Activity included in approved R3 extension. Since no funds drawn to date, "E" designation added to activity title and number.  
V12: Budget adjusted from \$70,902 to \$94,152 based on actual CDBG-DR costs incurred.

**Location Description:**

Washington County. Fishermen's Avenue, Misquamicut section of Westerly, RI



### Activity Progress Narrative:

Closed out effective 6/27/2018.

### Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
# of public facilities	1	2/1

### 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

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**Project # / Title:** 3-AP-V11 / R7\_Housing

**Grantee Activity Number:** CN-11

**Activity Title:** R7\_ChurchWoods

**Activity Category:**

Construction of new housing

**Project Number:**

3-AP-V11

**Projected Start Date:**

10/01/2017

**Benefit Type:**

Direct ( HouseHold )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

R7\_Housing

**Projected End Date:**

09/30/2018

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of Charlestown



Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$140,719.54
<b>Total Budget</b>	\$0.00	\$140,719.54
<b>Total Obligated</b>	\$0.00	\$140,719.54
<b>Total Funds Drawdown</b>	\$43,888.42	\$43,888.42
<b>Program Funds Drawdown</b>	\$43,888.42	\$43,888.42
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$43,888.42	\$43,888.42
Town of Charlestown	\$43,888.42	\$43,888.42
<b>Most Impacted and Distressed Expended</b>	\$43,888.42	\$43,888.42
<b>Match Contributed</b>	\$0.00	\$0.00

### Ancillary Activities

Responsible Organization	Activity Type	Project #	Grantee Activity #	Activity Title	Program Income Account
Town of Charlestown	Construction of new housing	3-AP-V4 (Ext)	CN-09-E	R3E_ChurchWoods Phase II	General Account

### Association Description:

Different phase of same activity

### Activity Description:

Construction of 24 1 bedroom rental units age restricted to persons 62+ years old. Phase III is primarily construction. The project will provide affordable housing choice for cost-burdened households in Washington County. The target population is currently living in permanent housing units in Washington County flood prone areas (100 year floodplains and Special Flood Hazard Areas) and facing an estimated 15% annual increase in flood insurance costs. All units will be marketed and leased in compliance with fair housing laws.

V6: Budget amount adjusted from \$1,167,945 to \$1,314,136. The total amount of CDBG-DR funds budgeted for all phases will be incrementally increased as the project proceeds to match the total award of \$4.4 million. New organization, ABM Group, added to assist in carrying out activity. ABM Group serves as project manager/funder's representative for OHCD.

V6: Budget amount adjusted from \$1,314,136 to \$1,335,688.34. The total amount of CDBG-DR funds budgeted for all phases will be incrementally increased as the project proceeds to match the total award of \$4.4 million.

July 2017: Budget increased from \$1,335,688 to \$1,812,525. Funds transferred from another activity (WY-10) for timely processing of payments. When the next incremental obligation is available in DRGR, funds will be restored to WY-10. The total amount of CDBG-DR funds budgeted for all phases of ChurchWoods will be incrementally increased as the project proceeds to match the total award of \$4.4 million.

Sept 2017: Budget increased from \$1,812,525 to \$2,218,430. Funds transferred from another activity (NS-01) for timely processing of payments. When the next incremental obligation is available in DRGR, funds will be restored to NS-01. The total amount of CDBG-DR funds budgeted for all phases of ChurchWoods now matches the total award of \$4,421,067.

V11: Budget increased from \$2,218,430 to 2,279,430, to match published Action Plan V11. All phases of ChurchWoods now match the total award to the Town of Charlestown of \$4,421,067, plus \$61,000 in project management costs (ADCs) contracted by the State for this activity.

November 2017: These new construction units were intentionally sited outside of regulatory floodplains. Therefore, the buildings were not elevated.

April 2018: Per HUD guidance regarding rounds, ChurchWoods phase budgets (activities CN-07, CN-09, CN-10) adjusted, with the total budget for all phases remaining \$4.4 million.

V12: Activity CN-10 split into CN-10 and CN-11 to restore funding round values. Adjustments made to phase budgets, including CN-09, CN-09-E, CN-10 to restore funding round values. Total ChurchWoods amount (all phases) reduced by \$9,150, based on actual billing for Funder's Rep Services (project management).

### Location Description:





### Activity Progress Narrative:

The project is ready to be closed out. The Town has been advised to submit final expenditure report and certification.

### 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: 3-AP-V3 / R2\_Housing

**Grantee Activity Number:** CN-07

**Activity Title:** R2\_Churchwoods Phase I

**Activity Category:**

Construction of new housing

**Project Number:**

3-AP-V3

**Projected Start Date:**

09/01/2014

**Benefit Type:**

Direct ( HouseHold )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

R2\_Housing

**Projected End Date:**

09/30/2018

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of Charlestown

Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$155,628.78
<b>Total Budget</b>	\$0.00	\$155,628.78
<b>Total Obligated</b>	\$0.00	\$155,628.78
<b>Total Funds Drawdown</b>	\$0.00	\$155,628.78
<b>Program Funds Drawdown</b>	\$0.00	\$155,628.78
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$155,628.78
ABM Group LLC	\$0.00	\$0.00
Town of Charlestown	\$0.00	\$155,628.78
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$155,628.78
<b>Match Contributed</b>	\$0.00	\$0.00

### Ancillary Activities

Responsible Organization	Activity Type	Project #	Grantee Activity #	Activity Title	Program Income Account
Town of Charlestown	Construction of new housing	3-AP-V4	CN-09	R3_ChurchWoods Phase II	General Account
Town of Charlestown	Construction of new housing	3-AP-V5	CN-10	R4_Churchwoods Phase III	General Account

### Association Description:

ChurchWoods is a multiple phase project, with several DRGR activities.

Construction of 24 1 bedroom rental units age restricted to persons 62+ years old. Phase I includes predevelopment, acquisition, design, engineering, and permitting. The project will provide affordable housing choice for cost-burdened households in Washington County. The target population is currently living in permanent housing units in Washington County flood prone areas (100 year floodplains and Special Flood Hazard Areas) and facing an estimated 15% annual increase in flood insurance costs. All units will be marketed and leased in compliance with fair housing laws.

V5: The activity budget was increased from \$250,000 to \$375,000 for Phase I of this activity. In addition, linked activities, ChurchWoods Phase II (round 3) and Phase III (round 4) have been added to DRGR.

### Activity Description:

Construction of 24 1 bedroom rental units age restricted to persons 62+ years old. Phase I includes predevelopment, acquisition, design, engineering, and permitting. The project will provide affordable housing choice for cost-burdened households in Washington County. The target population is currently living in permanent housing units in Washington County flood prone areas (100 year floodplains and Special Flood Hazard Areas) and facing an estimated 15% annual increase in flood insurance costs. All units will be marketed and leased in compliance with fair housing laws.

V5: The activity budget was increased from \$250,000 to \$375,000 for Phase I of this activity. In addition, linked activities, ChurchWoods Phase II (round 3) and Phase III (round 4) have been added to DRGR.

V6: The activity budget was adjusted from \$375,000 to \$298,391.48 to meet the round 2 expenditure deadline. The total amount of CDBG-DR funds budgeted for all phases (CN-07, CN-09, CN-10) has been increased. It will continue to be incrementally increased as the project proceeds to match the total award of \$4.4 million. New organization, ABM Group, added to assist in carrying out activity. ABM Group serves as project manager/funder's representative for OHCD.

April 2018: Per HUD guidance regarding rounds, ChurchWoods phase budgets (activities CN-07, CN-09, CN-10) adjusted, with the total budget for all phases remaining \$4.4 million.

### Location Description:



### Activity Progress Narrative:

The project is ready to be closed out. The Town has been advised to submit final expenditure report and certification.

### 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: 3-AP-V4 / R3\_Housing

**Grantee Activity Number:** CN-09

**Activity Title:** R3\_ChurchWoods Phase II

**Activity Category:**

Construction of new housing

**Project Number:**

3-AP-V4

**Projected Start Date:**

01/01/2016

**Benefit Type:**

Direct ( HouseHold )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

R3\_Housing

**Projected End Date:**

09/30/2018

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of Charlestown

<b>Overall</b>	<b>Oct 1 thru Dec 31, 2018</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$899,029.74
<b>Total Budget</b>	\$0.00	\$899,029.74
<b>Total Obligated</b>	\$0.00	\$899,029.74
<b>Total Funds Drawdown</b>	\$0.00	\$899,029.74
<b>Program Funds Drawdown</b>	\$0.00	\$899,029.74
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$899,029.74
ABM Group LLC	\$0.00	\$29,750.00
Town of Charlestown	\$0.00	\$869,279.74
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$899,029.74
<b>Match Contributed</b>	\$0.00	\$0.00

### Activity Description:

Construction of 24 1 bedroom rental units age restricted to persons 62+ years old. Phase I includes predevelopment, acquisition, design, engineering, and permitting. The project will provide affordable housing choice for cost-burdened households in Washington County. The target population is currently living in permanent housing units in Washington County flood prone areas (100 year floodplains and Special Flood Hazard Areas) and facing an estimated 15% annual increase in flood insurance costs. All units will be marketed and leased in compliance with fair housing laws.

V5: The activity budget was increased from \$250,000 to \$375,000 for Phase I of this activity. In addition, linked activities, ChurchWoods Phase II (round 3) and Phase III (round 4) have been added to DRGR.

V6: The activity budget was adjusted from \$1,212,055 to \$1,757,009. The total amount of CDBG-DR funds budgeted for all phases (CN-07, CN-09, CN-10) has been increased. It will continue to be incrementally increased as the project proceeds to match the total award of \$4.4 million. New organization, ABM Group, added to assist in carrying out activity. ABM Group serves as project manager/funder's representative for OHCD.

V7: The activity budget was adjusted from \$1,757,009 to \$1,661,930 to accommodate expenditure deadlines. The total award amount of \$4.4 million remains unchanged.

Sept 2016: The activity budget was adjusted from \$1,661,930 to \$1,600,174 to accommodate expenditure deadlines/grant agreement. The difference was transferred to SK-03 to fix an error in the SK-03 activity budget. The total award amount of \$4.4 million remains unchanged.

March 2017: Activity included in approved R3 extension. \$1,062,115 shifted to linked "E" activity.

V6: Budget amount adjusted from \$538,058 to \$819,391. The total amount of CDBG-DR funds budgeted for all phases will be incrementally increased as the project proceeds to match the total award of \$4.4 million.

April 2018: Per HUD guidance regarding rounds, ChurchWoods phase budgets (activities CN-07, CN-09, CN-10) adjusted, with the total budget for all phases remaining \$4.4 million.

### Location Description:

Washington County. 4150 Old Post Road, Charlestown, RI

### Activity Progress Narrative:

The project is ready to be closed out. The Town has been advised to submit final expenditure report and certification.

### 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: 3-AP-V4 (Ext) / R3\_Housing (Ext)**

**Grantee Activity Number: CN-09-E**

**Activity Title: R3E\_ChurchWoods Phase II**

**Activity Category:**

Construction of new housing

**Project Number:**

3-AP-V4 (Ext)

**Projected Start Date:**

01/01/2017

**Benefit Type:**

Direct ( HouseHold )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

R3\_Housing (Ext)

**Projected End Date:**

09/30/2018

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of Charlestown

### Overall

**Total Projected Budget from All Sources**

**Oct 1 thru Dec 31, 2018**

**To Date**

N/A

\$971,857.88

**Total Budget**

\$0.00

\$971,857.88

**Total Obligated**

\$0.00

\$971,857.88

**Total Funds Drawdown**

\$0.00

\$971,857.88

**Program Funds Drawdown**

\$0.00

\$971,857.88

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00

**Total Funds Expended**

\$0.00

\$971,857.88

ABM Group LLC

\$0.00

\$4,600.00



Town of Charlestown	\$0.00	\$967,257.88
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$971,857.88
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Construction of 24 1 bedroom rental units age restricted to persons 62+ years old. Phase I includes predevelopment, acquisition, design, engineering, and permitting. The project will provide affordable housing choice for cost-burdened households in Washington County. The target population is currently living in permanent housing units in Washington County flood prone areas (100 year floodplains and Special Flood Hazard Areas) and facing an estimated 15% annual increase in flood insurance costs. All units will be marketed and leased in compliance with fair housing laws. ABM Group serves as project manager/funder's representative for OHCD.

March 2017: Activity included in approved R3 extension. \$1,084,853 shifted to linked "E" activity from CN-09, NPT-01, and SK-03. The total award amount of \$4.4 million remains unchanged.

V12: Activity CN-10 split into CN-10 and CN-11 to restore funding round values. Adjustments made to phase budgets, including CN-09, CN-09-E, CN-10 to restore funding round values. Total ChurchWoods amount (all phases) reduced by \$9,150, based on actual billing for Funder's Rep Services (project management).

**Location Description:**

Washington County. 4150 Old Post Road, Charlestown, RI

**Activity Progress Narrative:**

The project is ready to be closed out. The Town has been advised to submit final expenditure report and certification.

**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:** NK-02-E

**Activity Title:** R3E\_Intrepid Sewer Housing Tie-In

**Activity Category:**

Rehabilitation/reconstruction of residential structures

**Project Number:**

3-AP-V4 (Ext)

**Projected Start Date:**

10/01/2017

**Benefit Type:**

Direct ( HouseHold )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

R3\_Housing (Ext)

**Projected End Date:**

09/30/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of North Kingstown

Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$112,995.59
<b>Total Budget</b>	\$0.00	\$112,995.59
<b>Total Obligated</b>	\$0.00	\$112,995.59
<b>Total Funds Drawdown</b>	\$0.00	\$112,995.59
<b>Program Funds Drawdown</b>	\$0.00	\$112,995.59
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$112,995.59
Town of North Kingstown	\$0.00	\$112,995.59
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$112,995.59
<b>Match Contributed</b>	\$0.00	\$0.00

**Ancillary Activities**

Responsible Organization	Activity Type	Project #	Grantee Activity #	Activity Title	Program Income Account
Town of North Kingstown	Rehabilitation/reconstruction of residential structures	3-AP-V11	NK-02	R7_Intrepid Sewer Housing Tie-In	General Account

**Association Description:**

Different phase of same activity.

**Activity Description:**

Construction of new 500 lf of tie-in sewer pipe for 167 housing units in (319 residents, mostly LMI, two developments: Wickford Village Apts., North Cove Landing). Replaces existing septic for the two developments. Projected flow 34,730 gallons/day from housing units. CDBG-DR funds proposed for 100% of tie-in costs for eligible subsidized housing units.

V11b: Sewer tie-ins will be needed at each building, instead of a single tie-in at the septic sand filter, as originally anticipated. The cost of the tie-in construction phase is now estimated at \$766,300, for a total DR cost of \$1,826,618 for both phases. This activity budget phase is now increased from \$35,000 to \$361,618. It will be increased to the total phase amount in a future quarter, when an offsetting reduction in NK-01-E can made.

V12: Activity budgets for NK-01-E and NK-02 modified (see above). NK-02-E created and added to Round 3



Extended. NK-02 moved to Round 7 Project to restore funding round values.

**Location Description:**

Washington County. Intrepid Drive, Town of North Kingstown.

**Activity Progress Narrative:**

The issue regarding Davis Bacon wage rates is ongoing. The Town has formally requested a written determination from the USDOL and hopes to achieve resolution after the shutdown.

**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: 3-AP-V5 / R4\_Housing**

**Grantee Activity Number: CN-10**

**Activity Title: R4\_Churchwoods Phase III**

**Activity Category:**

Construction of new housing

**Project Number:**

3-AP-V5

**Projected Start Date:**

02/01/2016

**Benefit Type:**

Direct ( HouseHold )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

R4\_Housing

**Projected End Date:**

09/30/2018

**Completed Activity Actual End Date:**

**Responsible Organization:**

Town of Charlestown





Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$2,305,681.06
<b>Total Budget</b>	\$0.00	\$2,305,681.06
<b>Total Obligated</b>	\$0.00	\$2,305,681.06
<b>Total Funds Drawdown</b>	\$0.00	\$2,305,681.06
<b>Program Funds Drawdown</b>	\$0.00	\$2,305,681.06
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$2,305,681.06
ABM Group LLC	\$0.00	\$17,500.00
Town of Charlestown	\$0.00	\$2,288,181.06
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$2,305,681.06
<b>Match Contributed</b>	\$0.00	\$0.00

### Activity Description:

Construction of 24 1 bedroom rental units age restricted to persons 62+ years old. Phase III is primarily construction. The project will provide affordable housing choice for cost-burdened households in Washington County. The target population is currently living in permanent housing units in Washington County flood prone areas (100 year floodplains and Special Flood Hazard Areas) and facing an estimated 15% annual increase in flood insurance costs. All units will be marketed and leased in compliance with fair housing laws.

V6: Budget amount adjusted from \$1,167,945 to \$1,314,136. The total amount of CDBG-DR funds budgeted for all phases will be incrementally increased as the project proceeds to match the total award of \$4.4 million. New organization, ABM Group, added to assist in carrying out activity. ABM Group serves as project manager/funder's representative for OHCD.

V6: Budget amount adjusted from \$1,314,136 to \$1,335,688.34. The total amount of CDBG-DR funds budgeted for all phases will be incrementally increased as the project proceeds to match the total award of \$4.4 million.

July 2017: Budget increased from \$1,335,688 to \$1,812,525. Funds transferred from another activity (WY-10) for timely processing of payments. When the next incremental obligation is available in DRGR, funds will be restored to WY-10. The total amount of CDBG-DR funds budgeted for all phases of ChurchWoods will be incrementally increased as the project proceeds to match the total award of \$4.4 million.

Sept 2017: Budget increased from \$1,812,525 to \$2,218,430. Funds transferred from another activity (NS-01) for timely processing of payments. When the next incremental obligation is available in DRGR, funds will be restored to NS-01. The total amount of CDBG-DR funds budgeted for all phases of ChurchWoods now matches the total award of \$4,421,067.

V11: Budget increased from \$2,218,430 to 2,279,430, to match published Action Plan V11. All phases of ChurchWoods now match the total award to the Town of Charlestown of \$4,421,067, plus \$61,000 in project management costs (ADCs) contracted by the State for this activity.

November 2017: These new construction units were intentionally sited outside of regulatory floodplains. Therefore, the buildings were not elevated.

April 2018: Per HUD guidance regarding rounds, ChurchWoods phase budgets (activities CN-07, CN-09, CN-10) adjusted, with the total budget for all phases remaining \$4.4 million.

V12: Activity CN-10 split into CN-10 and CN-11 to restore funding round values. Total ChurchWoods amount (all phases) reduced by \$9,150, based on actual billing for Funder's Rep Services (project management).

### Location Description:

Washington County. 4150 Old Post Road, Charlestown, RI

### Activity Progress Narrative:

The project is ready to be closed out. The Town has been advised to submit final expenditure report and certification.



## 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: 6-AP-V11 / R7\_Planning

**Grantee Activity Number:** CRMC-05

**Activity Title:** R7\_BeachSAMP II

**Activity Category:**

Planning

**Project Number:**

6-AP-V11

**Projected Start Date:**

10/01/2017

**Benefit Type:**

Area ( )

**National Objective:**

N/A

**Activity Status:**

Under Way

**Project Title:**

R7\_Planning

**Projected End Date:**

09/30/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

State of Rhode Island, Coastal Resources Management

### Overall

**Total Projected Budget from All Sources**

**Oct 1 thru Dec 31, 2018**

N/A

**To Date**

\$269,095.00

**Total Budget**

\$0.00

\$269,095.00

**Total Obligated**

\$0.00

\$269,095.00

**Total Funds Drawdown**

\$0.00

\$69,728.79

**Program Funds Drawdown**

\$0.00

\$69,728.79



<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$69,728.79
State of Rhode Island, Coastal Resources Management	\$0.00	\$69,728.79
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

### Activity Description:

The CRMC, in partnership with the University of Rhode Island Coastal Resources Center (CRC), will complete the Rhode Island Shoreline Change Special Area Management Plan (Beach SAMP), Rhode Island's comprehensive plan to enhance the resiliency of Rhode Island coastal communities, including those in Bristol, Washington and Newport counties, and reduce the exposure and vulnerability to natural hazards. The Beach SAMP offers guidance and decision support tools – including the application of green infrastructure, legal, and design tools – to state and local decision makers to prepare and plan for, absorb, recover from, and successfully adapt to the impacts of coastal storms, erosion, and sea level rise. Once completed, the Beach SAMP will serve as Rhode Island's comprehensive guidance document that recommends regulatory changes at the state level, advises municipalities on their risk profiles from coastal hazards, and provides a framework for assessing consistency of local decision making with initiatives being advanced at the state level.

#### Major Tasks:

1. Complete the remaining Beach SAMP chapters (drafting and editing) and associated public engagement process.
2. Provide stakeholder engagement opportunities tailored to state and municipal staff and other decision makers about Beach SAMP planning guidance and decision making tools to enhance the resiliency of RI communities.
3. Conduct assessment of key adaptation issues. Provide planning assistance to two municipalities on two selected adaption issues associated with impacts experienced during/after the eligible disasters. Complete final summary report recommending next steps for future action.

V11b: Scope expanded to include major task #3 above. Budget increased from \$189,995 to \$269,095 to match published AP V11b.

### Location Description:

21 coastal communities, all RI counties.

### Activity Progress Narrative:

Activities during this quarter included: 1. Continued work on producing a glossary, future research needs, and technical appendix. 2. Updated beachesamp.org to highlight the BeachSAMP document. 3. Held worksessions with CRMC permit staff to review and redesign the "RI CRMC Coastal Hazard Application Guidance Web Map". Continued to revise and reformat STORMTOOLS in support of the online mapping tool and revised a one-page worksheet based on comments received by RICRMC permit staff. 4. Reviewed and edited the Beach SAMP Executive Summary document for promotion and outreach of the Beach SAMP to state and municipal staff. 5. Presented an overview of the Beach SAMP project to the RI Climate Adaptation and Resilience Information Sharing (CARIS) group on Dec. 7, 2018.

### Accomplishments Performance Measures

No Accomplishments Performance Measures

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.



## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---



**Grantee Activity Number:** CRMC-06  
**Activity Title:** R7\_Design Elevation Maps

**Activity Category:**

Planning

**Project Number:**

6-AP-V11

**Projected Start Date:**

10/01/2017

**Benefit Type:**

Area ( )

**National Objective:**

N/A

**Activity Status:**

Planned

**Project Title:**

R7\_Planning

**Projected End Date:**

09/30/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

State of Rhode Island, Coastal Resources Management

Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$266,957.00
<b>Total Budget</b>	\$0.00	\$266,957.00
<b>Total Obligated</b>	\$0.00	\$266,957.00
<b>Total Funds Drawdown</b>	\$70,493.97	\$120,412.38
<b>Program Funds Drawdown</b>	\$70,493.97	\$120,412.38
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$70,493.97	\$120,412.38
State of Rhode Island, Coastal Resources Management	\$70,493.97	\$120,412.38
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

CRMC and URI are collaborating on a proposal to develop and provide easily accessible design elevation maps based on the STORMTOOLS platform. These maps will provide CRMC applicants, state agencies, municipalities and others with recommended design elevations to aid in the design and construction of public and private structures and infrastructure. These maps will be referred to as STORMTOOLS Design Elevation (SDE) maps and will include storm surge, wave heights (including shoreline condition), and sea level rise to account for future conditions. The FEMA Flood Insurance Rate Maps (FIRM) provide a base flood elevation (BFE), but they do not account for sea level rise. The FIRMs are the regulatory maps that the RI state building code (SBC) references and requires for construction in flood prone areas.

The primary objective of the SDE maps is to provide an alternative BFE that accounts for extreme weather events and sea level rise. The SDE maps provide users a recommended design elevation that will result in coastal hazard resilient construction. The SDE maps would allow the user to compare the elevation differences for their particular location between these new STORMTOOLS maps and the FIRM. With this information, the user can decide whether they want to voluntarily exceed the elevation determined by the FIRM and build to the SDE map recommendation or just build to the SBC required elevation.

**Major Tasks:**

1. Generate STORMTOOLS Design Elevation Maps for the state's coastal areas, adding wave heights models to existing storm surge, sea level rise, and erosion models. Make maps accessible via the STORMTOOLS web site and RI GIS.



2. Compare recommended Design Elevation Maps to regulatory FEMA FIRM maps.
3. Provide outreach/information sessions targeted at coastal communities, regulators, and engineering community responsible for design of structures and infrastructure.
4. Prepare a final report and papers for the refereed literature summarizing the results of the effort.

**Location Description:**

21 coastal communities, all RI counties.

**Activity Progress Narrative:**

Activities during this quarter included:

1. Two outreach sessions were held on Oct 24, 2018 and Nov 9, 2018. The first focused on architects, engineers, and town planners and the second was targeted at state agency permitting staff. Attendance was approximately 50 for each event.
2. SDE maps and the presentations and supporting material from the training sessions are now available via BeachSAMP web site.
3. A technical report summarizing the methodology used to develop the SDE maps and to access them has been prepared Spaulding, M. L., A. Grilli, C. Damon, R. Hashemi, S. Kouhi Anbaran, and G. Fugate, 2018. STORMTOOLS Design Elevation (SDE) Maps: including impact of sea level rise, report prepared for RI Coastal Resources Management Council, South Kingstown, RI..
4. Development of an AI model to estimate the wave action for arbitrary SLR levels (between 2 to 10 ft).

**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



<b>Grantee Activity Number:</b>	<b>EOC-01</b>
<b>Activity Title:</b>	<b>R7_Economic Assets Vulnerability Assessment</b>

**Activity Category:**

Planning

**Project Number:**

6-AP-V11

**Projected Start Date:**

10/01/2017

**Benefit Type:**

Area ( )

**National Objective:**

N/A

**Activity Status:**

Planned

**Project Title:**

R7\_Planning

**Projected End Date:**

09/30/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

State of Rhode Island2

Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$320,000.00
<b>Total Budget</b>	\$0.00	\$320,000.00
<b>Total Obligated</b>	\$159.72	\$319,594.72
<b>Total Funds Drawdown</b>	\$11,345.00	\$11,345.00
<b>Program Funds Drawdown</b>	\$11,345.00	\$11,345.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$11,345.00	\$11,345.00
State of Rhode Island2	\$11,345.00	\$11,345.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Identify and assess the vulnerability of Rhode Island’s job producing economic assets to specific flooding scenarios. Assess and quantify economic impacts, including projected loss of jobs. Develop resilience strategies that businesses and municipalities can utilize to reduce the vulnerability of economic assets and minimize job losses.

**Location Description:**

Selected RI coastal areas

**Activity Progress Narrative:**

The project is underway. Tasks 1 (Project Kick-Off) and 2 (Exposure Analysis) are complete and Task 3 (Vulnerability Analysis) has been initiated. Four impacted Pilot Areas have been selected by the Steering Committee, and outreach has been initiated and is ongoing with Chambers of Commerce, various Industry associations, State and Federal business assistance agencies. The pilot areas are: Woonasquatucket River (Providence to Smithfield): coastal parts of South Kingstown/Westerly; Newport/Middletown; and Warren/Bristol.



## 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

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**Grantee Activity Number:** URI-01  
**Activity Title:** R7\_Saltwater Intrusion into Coastal Aquifers Study

**Activity Category:**

Planning

**Project Number:**

6-AP-V11

**Projected Start Date:**

10/01/2017

**Benefit Type:**

Area ( )

**National Objective:**

N/A

**Activity Status:**

Under Way

**Project Title:**

R7\_Planning

**Projected End Date:**

09/30/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

University of Rhode Island

Overall	Oct 1 thru Dec 31, 2018	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$582,913.00
<b>Total Budget</b>	\$0.00	\$582,913.00
<b>Total Obligated</b>	\$0.00	\$582,913.00
<b>Total Funds Drawdown</b>	\$68,645.18	\$187,040.92
<b>Program Funds Drawdown</b>	\$68,645.18	\$187,040.92
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$68,645.18	\$187,040.92
University of Rhode Island	\$68,645.18	\$187,040.92
<b>Most Impacted and Distressed Expended</b>	\$68,645.18	\$187,040.92
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

To date, little is known about saltwater intrusion in Rhode Island's coastal aquifers. Given storm events including Hurricane Sandy and the recent acceleration of the rate of sea level rise and model projections of a potential 2+m of sea level rise by 2100, saltwater intrusion will be a major and growing threat to groundwater quality and the habitat in RI coastal environments. This study proposes to combine monitoring data and modeling studies in coastal aquifers, relying on existing public drinking supply wells and new monitoring wells installed for the purpose of this project in the coastal communities North Kingstown, South Kingstown, Narragansett, Charlestown and Westerly, RI. Our study will result in an enhanced understanding of the extent and impacts of saltwater intrusion to the coastal zones of Rhode Island. The final report will identify potential mitigation measures and provide information for environmental managers to evaluate possible impacts of major mitigation measures on coastal environments.

**Location Description:**

Towns of Westerly, Charlestown, South Kingstown, Narragansett, and North Kingstown in Washington County

**Activity Progress Narrative:**

Water sampling at study area wells and the modelling effort continue.



## 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

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## Project # / Title: 6-AP-V9 / R6\_Planning

**Grantee Activity Number:** CRMC-04

**Activity Title:** R6\_CERI II

**Activity Category:**

Planning

**Project Number:**

6-AP-V9

**Projected Start Date:**

05/01/2017

**Benefit Type:**

Area ( )

**National Objective:**

N/A

**Activity Status:**

Under Way

**Project Title:**

R6\_Planning

**Projected End Date:**

04/13/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

State of Rhode Island, Coastal Resources Management

### Overall

**Total Projected Budget from All Sources**

**Oct 1 thru Dec 31, 2018**

N/A

**To Date**

\$175,000.00

**Total Budget**

\$0.00

\$175,000.00

**Total Obligated**

\$0.00

\$175,000.00



<b>Total Funds Drawdown</b>	\$25,366.13	\$172,914.17
<b>Program Funds Drawdown</b>	\$25,366.13	\$172,914.17
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$25,366.13	\$172,914.17
State of Rhode Island, Coastal Resources Management	\$25,366.13	\$172,914.17
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

### Activity Description:

CRMC, in conjunction with a University of Rhode Island (URI) research team, will apply the Coastal Environmental Risk Index (CERI) modeling to three low-lying coastal communities (in addition to the two CERI I pilot communities). The project also includes outreach to:

- Municipal officials to collect data needed to apply CERI to three communities;
  - Planners within state regulatory agencies to calibrate the terminology used to express the impacts of flooding, storm surge and sea level rise; and
  - Municipal and state officials to demonstrate the CERI map/tool.
- CERI models the risk coastal areas face from the environment; specifically storm induced flooding and the associated wave environment, sea level rise, and shoreline erosion/accretion.

### Location Description:

Town of Bristol, Town of Warren, Town of Barrington. Bristol County

### Activity Progress Narrative:

Activities during Q4 2018 (October 1- December 31) for the Coastal Environmental Risk Index (CERI) model application to the East Bay coastal communities of Barrington, Warren & Bristol. The project team completed the following technical tasks: 1. Outreach workshops held on October 24 and November 9, 2018 detailing development and use of CERI. 2. Development of visualizations of CERI damage maps for selected locations within the three communities. 3. Final technical report prepared on project documenting the application of CERI to the three communities. Grilli, A., M. L. Spaulding, C. Damon, T. Crean, and G. Fugate, 2018. Application of the Coastal Environmental Risk Index (CERI) to Barrington, Bristol, and Warren, RI, report prepared for RI Coastal Resources Management Council, South Kingstown, RI.

## 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

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**Monitoring, Audit, and Technical Assistance**

<b>Event Type</b>	<b>This Report Period</b>	<b>To Date</b>
Monitoring, Audits, and Technical Assistance	2	58
Monitoring Visits	1	47
Audit Visits	0	0
Technical Assistance Visits	1	7
Monitoring/Technical Assistance Visits	0	4
Report/Letter Issued	0	46

