

Grantee: Connecticut - DOH

Grant: B-13-DS-09-0002

July 1, 2022 thru September 30, 2022 Performance

Grant Number: B-13-DS-09-0002	Obligation Date:	Award Date:
Grantee Name: Connecticut - DOH	Contract End Date: 09/30/2025	Review by HUD: Submitted - Await for Review
Grant Award Amount: \$54,277,359.00	Grant Status: Active	QPR Contact: No QPR Contact Found
LOCCS Authorized Amount: \$54,277,359.00	Estimated PI/RL Funds:	
Total Budget: \$54,277,359.00		

Disasters:

Declaration Number

No Disasters Found

Narratives

Executive Summary:

Connecticut's resilience activities exist at three scales: local demonstration infrastructure projects that will enhance resilience in the low-moderate income City of Bridgeport as a model for the rest of the state, a regional planning process to create a blueprint for resilience across the MID-URN areas of Fairfield and New Haven Counties, and state policy to institutionalize resilience through the SAFR (State Agencies Fostering Resilience) Council.

In Bridgeport, NDR funds will be used to construct three projects and complete two studies. The state will construct a raised University Avenue to provide dry egress for multiple properties that are receiving state support to remediate brownfields and redevelop as mixed-use, a berm that will encircle the eastern area of the South End and significantly reduce flood risk to a large area that includes power generation and substations as well as affordable and historic housing and future transit-oriented development opportunities, and a resilience design center to act as a community hub for resilience activities. The state will study the potential to leverage the regional energy generation and distribution infrastructure located in the South End of Bridgeport for neighborhood benefit and the opportunities for redevelopment in the flood plain in a responsible and resilient manner.

Across Fairfield and New Haven Counties, NDR funds will be used to develop the regional coastal resilience plan, Connecticut Connections. This plan will be based on modeling to be conducted to better understand flood risk and the combination of coastal surge and riverine flooding and provide a blueprint towards resilience for the communities from Greenwich to Madison.

Statewide, NDR funds will support the SAFR Council in their effort to create a resilience roadmap for the state and to institutionalize resilience into state policies.

The activities being carried out under NDR contribute to the State's efforts to affirmatively further fair housing by: 1) enabling the continued safe habitation of existing affordable housing opportunities within walking distance of jobs, public transportation and amenities; 2) mitigating both present and future flood related issues of both publicly and privately owned properties targeted for future multifamily and economic development; and 3) preserving and increasing the potential for affordable homeownership opportunities in this target neighborhood. In addition, the NDR activities will contribute to addressing the regional need to affirmatively further fair housing by encouraging both housing and economic development in low flood risk and transit-oriented neighborhoods across Fairfield and New Haven counties. Many of these NDR activities address specific action steps found in the State of Connecticut Analysis of Impediments to Fair Housing Choice, which is compliant with and supports the federal obligation to affirmatively further fair housing. These action steps include: 1) encourage the creation and rehabilitation of affordable housing in a variety of locations; 2) collaborate with other state agencies to support affirmative further fair housing; and 3) ensure state and local planning documents affirmatively further fair housing.

MID-URN Areas:

The State of Connecticut activities focus on the MID-URN geographies of Fairfield and New Haven Counties with the NDR-funded infrastructure activities limited to the Low-Mod income city of Bridgeport.

Key Agencies, Partners, Positions, Personnel:

Staff at the Department of Housing will oversee all activities funded through the NDR grant. In addition to a Director of the program, the state will be competitively procuring program management support for grant management, compliance, finance, and other functions.

The bulk of the work will be conducted by consultants and the state is just completing its first public procurement for alternatives assessment, environmental review, and preliminary engineering. Additional consultants will be procured as needed as the projects progress.

The CT Institute for Resilience and Climate Adaptation (CIRCA) at the University of Connecticut will act a sub-recipient, leading the CT Coastal Connections Regional Plan process.

Other state agencies through the SAFR Council including the Office of Policy and Management, Department of Transportation, Department of Energy and Environmental Protection and others will support the Department of Housing on timely permitting, review, and other support measures to ensure that the outcomes and timelines of the projects are met.

Overall	This Report Period	To Date
Total Projected Budget from All Sources	\$0.00	\$65,693,082.00
Total Budget	\$0.00	\$54,277,359.00
Total Obligated	\$1,469,619.51	\$17,061,700.66
Total Funds Drawdown	\$1,469,619.50	\$17,021,855.85
Program Funds Drawdown	\$1,469,619.50	\$17,021,855.85
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$1,469,619.50	\$17,021,885.85
HUD Identified Most Impacted and Distressed	\$1,179,661.62	\$8,623,355.18
Other Funds	\$ 0.00	\$ 11,415,723.00
Match Funds	\$ 0.00	\$ 11,415,723.00
Non-Match Funds	\$ 0.00	\$ 0.00

Funds Expended

Overall	This Period	To Date
STATE OF CONNECTICUT	\$ 1,469,619.50	\$ 17,021,885.85
State of Connecticut	\$ 0.00	\$ 0.00

Progress Toward Required Numeric Targets

Requirement	Target	Projected	Actual
Overall Benefit Percentage	50.00%	100.00%	100.00%
Overall Benefit Amount	\$20,947,018.00	\$42,574,036.00	\$9,213,887.04
Minimum Supporting Leverage	\$925,846,000.00	\$.00	\$.00
Minimum Direct Leverage	\$146,820,899.00	\$.00	\$.00
Limit on Public Services	\$8,141,603.85	\$.00	\$.00
Limit on Admin/Planning	\$12,380,665.59	\$12,383,323.00	\$7,807,968.81
Limit on Admin	\$.00	\$2,713,868.00	\$1,681,670.20
Most Impacted and Distressed	\$54,277,359.00	\$.00	\$8,623,355.18

Overall Progress Narrative:

During the 3rd quarter of 2022 CTDOH along with the project team continued a regimented schedule of coordination meetings with CTDEEP and other state agencies, City of Bridgeport departments, stakeholders, and the community. For Administration, the project management consultant team continues to support all aspects of administration including procurement, finance, audit, monitoring, document storage, environmental review, and construction. In Q3 2022, the team will continue the project outreach to stakeholders and state and federal agencies and will included continue coordination with the Bassick High School project adjacent to the Flood Risk Reduction Project (FRRP) and stakeholder outreach. The CLOMR application was completed and submitted to FEMA on February 1, 2022, and continued coordination with FEMA and the City of Bridgeport is ongoing. Coordination has been ongoing with city departments regarding O&M related to FRRP and RBD.

Project Summary

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

NDR-ADMIN-26336, Administration	\$0.00	\$2,713,868.00	\$1,681,670.20
NDR-BPT-, Bridgeport South End	\$1,179,661.62	\$42,574,036.00	\$9,397,852.04
NDR-CCRP-, Connecticut Connections Coastal Resilience	\$289,957.88	\$8,989,455.00	\$5,942,333.61
OV, Outcome Values	\$0.00	\$0.00	\$0.00
SL, Supporting Leverage	\$0.00	\$0.00	\$0.00

Activities

Project # /	NDR-ADMIN-26336 / Administration
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Grantee Activity Number: NDR-ADMIN
Activity Title: Administration

Activity Type: Administration	Activity Status: Under Way
Project Number: NDR-ADMIN-26336	Project Title: Administration
Projected Start Date: 02/08/2017	Projected End Date: 09/30/2022
Benefit Type: N/A	Completed Activity Actual End Date:
National Objective: NA	Responsible Organization: STATE OF CONNECTICUT

Overall	Jul 1 thru Sep 30, 2022	To Date
Total Projected Budget from All Sources	\$0.00	\$2,713,868.00
Total Budget	\$0.00	\$2,713,868.00
Total Obligated	\$0.00	\$1,681,670.20
Total Funds Drawdown	\$0.00	\$1,681,670.20
Program Funds Drawdown	\$0.00	\$1,681,670.20
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$1,681,670.20
STATE OF CONNECTICUT	\$0.00	\$1,681,670.20
Most Impacted and Distressed Expended	\$0.00	\$60,982.51

Activity Description:

Grant Administration activities to ensure that the program deadlines are met and all HUD regulations are followed in achieving the desired outcomes of the other projects.

Location Description:

Statewide

Activity Progress Narrative:

The program management (PM) consultant continues to provide support for all aspects of the program grant. As the liaison between the project consultants and CTDOH they have established a document management system that will house all aspects of the program including contracts, submittals, reports and registers and financials. The PM has established and continues to maintain efficient workflows that will allow for full tracking of all program components. During Q3, project files were properly catalogued and filed within the document management system. As additional review and supporting documents are received, they are catalogued in a similar fashion. Using this system, the program manager was able to provide requested information to support a FOIA request.

The PM continues to review and process consultant invoices and submitting them to CTDOH for final review and approval. As the grantee, CTDOH has full and final oversight of all aspects of the program and the PM team reports directly to CTDOH.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

Match Sources	Amount
Department of Energy and Environmental Protection	\$25,000,000.00
Department of Transportation	\$1,000,000.00
Office of Policy and Management	\$350,000.00
University of Connecticut, CT Institute for Resilience and Climate Adaptation	\$1,200,000.00
Subtotal Match Sources	

Activity Supporting Documents: None

Project # / NDR-BPT- / Bridgeport South End

Grantee Activity Number: NDR-BPT-Berm - 2066128

Activity Title: Earthen Berm

Activity Type:	Activity Status:
Dike/dam/stream-river bank repairs	Under Way
Project Number:	Project Title:
NDR-BPT-	Bridgeport South End
Projected Start Date:	Projected End Date:
02/08/2017	09/30/2022
Benefit Type:	Completed Activity Actual End Date:
Area (Census)	
National Objective:	Responsible Organization:
Low/Mod	STATE OF CONNECTICUT

Overall	Jul 1 thru Sep 30, 2022	To Date
Total Projected Budget from All Sources	\$0.00	\$35,630,036.00
Total Budget	\$0.00	\$35,630,036.00
Total Obligated	\$1,066,540.12	\$7,898,698.99
Total Funds Drawdown	\$1,066,540.12	\$7,898,698.99
Program Funds Drawdown	\$1,066,540.12	\$7,898,698.99
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$1,066,540.12	\$7,898,728.99
STATE OF CONNECTICUT	\$1,066,540.12	\$7,898,728.99
Most Impacted and Distressed Expended	\$1,066,540.12	\$7,019,525.77

Activity Description:

Construct an accredited flood protection line linking the redevelopment of 60 Main Street, the new elevated natural gas-fired power plant, and downtown, removing the eastern South End’s critical infrastructure and low-moderate income housing and historic districts from the 100-year flood plain and reinforcing the connection between the Downtown and South End neighborhoods.

Location Description:

City of Bridgeport’s South End

Activity Progress Narrative:

Comment from DEEP and City of Bridgeport on the 90% design submission remain pending. Designer continuing to address CTDOT comments in final design documents. Bi-weekly conference calls were conducted with CT DOH, CT DOT and the Design Team to coordinate issues and review design status. Coordination meetings were conducted with CT DEEP, City of Bridgeport and the Bassick High School team. Geotech program on hold pending obtaining access to adjacent private properties. Efforts are underway to resolve questions of acquisition of rights-of-way, long-term ownership of the facilities and plan for operations and maintenance. Preparation of environmental permit applications continued this period.

Utility company coordination is on hold pending resolution of statutory questions by the involved Connecticut state agencies who are working to review applicable state statutes

and determine the path forward regarding this issue.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of Public	0	0/3500
# of Linear miles of Public	0	0/1
# of public facilities	0	0/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents:	None
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Grantee Activity Number: NDR-BPT-Energy - 2066130

Activity Title: District Energy Feasibility

Activity Type:	Activity Status:
Planning	Under Way
Project Number:	Project Title:
NDR-BPT-	Bridgeport South End
Projected Start Date:	Projected End Date:
02/08/2017	09/30/2022
Benefit Type:	Completed Activity Actual End Date:
Area (Census)	
National Objective:	Responsible Organization:
Low/Mod	STATE OF CONNECTICUT

Overall	Jul 1 thru Sep 30, 2022	To Date
Total Projected Budget from All Sources	\$0.00	\$350,000.00
Total Budget	\$0.00	\$350,000.00
Total Obligated	\$0.00	\$223,809.80
Total Funds Drawdown	\$0.00	\$183,965.00
Program Funds Drawdown	\$0.00	\$183,965.00
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$183,965.00
STATE OF CONNECTICUT	\$0.00	\$183,965.00
Most Impacted and Distressed Expended	\$0.00	\$120,877.40

Activity Description:

Develop a plan to leverage the existing regional electricity transmission, distribution, and generation located within the Project area coupled with the two local micro-grids for local benefit. The result will be a strategy for the district-wide energy opportunity that can be replicated throughout the region.

Location Description:

City of Bridgeport's South End, West End, and Black Rock Harbor

Activity Progress Narrative:

The energy study, with a revised scope established in Q4 of 2018, was delivered to DOH at the end of Q2 of 2020, per the project schedule.

Design Team services for this activity have been completed

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total

# of community engagement	0	0/2
# of Plans or Planning Products	0	0/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

Match Sources	Amount
Department of Energy and Environmental Protection	\$5,155,899.00
Subtotal Match Sources	

Activity Supporting Documents: None

Grantee Activity Number: NDR-BPT-ResCtr - 2066127

Activity Title: Resilience Center

Activity Type:
Rehabilitation/reconstruction of public facilities

Project Number:
NDR-BPT-

Projected Start Date:
02/02/2017

Benefit Type:
Area (Census)

National Objective:
Low/Mod

Activity Status:
Under Way

Project Title:
Bridgeport South End

Projected End Date:
09/30/2022

Completed Activity Actual End Date:

Responsible Organization:
STATE OF CONNECTICUT

Overall	Jul 1 thru Sep 30, 2022	To Date
Total Projected Budget from All Sources	\$0.00	\$1,000,000.00
Total Budget	\$0.00	\$1,000,000.00
Total Obligated	\$0.00	\$191,071.19
Total Funds Drawdown	\$0.00	\$191,071.19
Program Funds Drawdown	\$0.00	\$191,071.19
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$191,071.19
STATE OF CONNECTICUT	\$0.00	\$191,071.19
Most Impacted and Distressed Expended	\$0.00	\$166,138.05

Activity Description:

Construct a design center in the South End to operate as a community center and provide a central location for providing information to the community and assist the community in future recovery efforts.

Location Description:

City of Bridgeport's South End

Activity Progress Narrative:

During Final Design, the team will contribute to the collaborative understanding of how NDR funding to the Freeman Houses will be used to create space and programming reflective of the proposed resilience center status of Freeman Houses. No Design Team activity 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

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Activity Supporting Documents: None



Grantee Activity Number: NDR-BPT-Univ-2066126

Activity Title: University Ave

Activity Type:	Activity Status:
Construction/reconstruction of streets	Under Way
Project Number:	Project Title:
NDR-BPT-	Bridgeport South End
Projected Start Date:	Projected End Date:
02/08/2017	09/30/2022
Benefit Type:	Completed Activity Actual End Date:
Area (Census)	
National Objective:	Responsible Organization:
Low/Mod	STATE OF CONNECTICUT

Overall	Jul 1 thru Sep 30, 2022	To Date
Total Projected Budget from All Sources	\$0.00	\$5,264,000.00
Total Budget	\$0.00	\$5,264,000.00
Total Obligated	\$113,121.51	\$1,124,116.87
Total Funds Drawdown	\$113,121.50	\$1,124,116.86
Program Funds Drawdown	\$113,121.50	\$1,124,116.86
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$113,121.50	\$1,124,116.86
STATE OF CONNECTICUT	\$113,121.50	\$1,124,116.86
Most Impacted and Distressed Expended	\$113,121.50	\$993,787.91

Activity Description:

Raise University Avenue from Myrtle Avenue to 60 Main Street to serve as a dry egress corridor for the redevelopment of 60 Main Street and other properties.

Location Description:

City of Bridgeport's South End

Activity Progress Narrative:

Comment from DEEP and City of Bridgeport on the 90% design submission remain pending. Designer continuing to address CTDOT comments in final design documents. Bi-weekly conference calls were conducted with CT DOH, CT DOT and the Design Team to coordinate issues and review design status. Meeting with FEMA to review CLOMR occurred this quarter. Coordination meetings were conducted with CT DEEP, City of Bridgeport and the Bassick High School team. Geotech program on hold pending obtaining access to adjacent private properties. Efforts are underway to resolve questions of acquisition of rights-of-way, long-term ownership of the facilities and plan for operations and maintenance. Preparation of environmental permit applications continued this period. Utility company coordination is on hold pending resolution of statutory questions by the involved Connecticut state agencies who are working to review applicable state statutes and determine the path forward regarding this issue.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of Public	0	0/1310
# of Linear miles of Public	0	0/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

Match Sources	Amount
Department of Economic and Community Development	\$2,365,000.00
Subtotal Match Sources	

Activity Supporting Documents: None

Project # / NDR-CCRP- / Connecticut Connections Coastal Resilience

Grantee Activity Number: NDR-CCCRP-Coastal - 2066131
Activity Title: Connecticut Connections Coastal Resilience Plan

Planning

NDR-CCRP-

02/08/2017

Area (Census)

NA

Under Way

Connecticut Connections Coastal Resilience Plan

09/30/2022

Responsible Organization:

STATE OF CONNECTICUT

Overall	Jul 1 thru Sep 30, 2022	To Date
Total Projected Budget from All Sources	\$0.00	\$8,989,455.00
Total Budget	\$0.00	\$8,989,455.00
Total Obligated	\$289,957.88	\$5,942,333.61
Total Funds Drawdown	\$289,957.88	\$5,942,333.61
Program Funds Drawdown	\$289,957.88	\$5,942,333.61
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$289,957.88	\$5,942,333.61
STATE OF CONNECTICUT	\$289,957.88	\$5,942,333.61
Most Impacted and Distressed Expended	\$0.00	\$262,043.54

Activity Description:

Develop a regional coastal resilience plan covering the MID-URN geography of Fairfield and New Haven Counties including modeling of the future impacts of flooding to critical facilities.

Location Description:

All of Fairfield and New Haven Counties

Activity Progress Narrative:

Planning

The 7 projects that make up Resilient Connecticut Phase III are now underway across several municipalities in Fairfield and New Haven Counties, including Danbury, Norwalk, Ansonia, Fairfield, Stratford, New Haven, and Branford. The initial tasks for these projects include developing stakeholder advisory committees in each area, reviewing initial modeling of current conditions, site surveys, and planning for the public engagement process for each town over the next year. In the coming months announcements about how to participate in public workshops and events for each Phase III project will be made available. For more details about the scope of work for each project visit the Phase III page on the website [here](#).

Engagement and Capacity Building Activities

This quarter's Resilient Connecticut webinar was titled, "Connecticut Summer Heat Wave Webinar: Learning from Heat Sensor Research and Implications for Future Climate Extremes." Participants joined this webinar to learn about: 1) CIRCA's heat sensor summer research project, 2) how the City of Norwalk is taking steps to proactively address the threat of extreme heat waves, and 3) why zoning ordinances offer an opportunity to shape land use policy with the intent of creating communities more resilient to heat. News about the heat

study, including two recent articles and a podcast can be found on the heat webinar web page.

CIRCA continues to work with faculty and a legal fellow from the UConn School of Law to develop policy and guidance white papers and fact sheets that will help communities implement CT PA 21-115. The following work was completed during this last quarter:

- Implementing New Flood Prevention, Climate Resilience, and Erosion Control Boards: PA 21-115 modified the name and authority of Flood Prevention and Erosion Control Boards to include “Climate Resilience”. Municipalities now have a substantial tool to address the increasing pressure on landscape and infrastructure from rising sea levels, storm surge, and intensified precipitation, flooding, and subsequent erosion. With a new fact sheet focused on this topic, municipalities can be made more aware of the greater responsibilities when determining how best to integrate the expanded Board into their climate resilience strategy.
- Work continues to help municipalities better understand “Zoning for Resilience” options with specific topics including Transfer Development Rights, Overlay Districts, Prohibit Substantial Improvement to Non-Conforming Uses/Structures in Flood Prone Areas, Urban Heat, and Maximum Lot coverage. The first in this new fact sheet series is the Resilience Overlay fact sheet which is now in final draft and being formatted for public release.

CIRCA partnered with the Yale Center on Climate Change & Health to finalize a draft of the “Extreme Heat Toolkit for Connecticut Municipalities.” The goals of the toolkit are the following: 1) to provide resources that help Connecticut’s municipal leaders fill gaps in local extreme heat planning; 2) To provide tools that municipal leaders can easily adapt to their local contexts including communication templates, cooling center best practices; a diverse collection of policy and planning actions; advice on creating a heat response plan; heat safety tips for Connecticut’s residents. The next step is to put elements of the Toolkit online for wider distribution.

CIRCA also released a new product in the Resilience White Paper Series: [Gaps and Opportunities for Local Resilience Planning in Connecticut](#). CIRCA staff reviewed the regulations and practices governing municipal plans to identify gaps and opportunities for adaptation and resilience. Many of these local planning processes are assumed to require climate change; however, they have limited requirements for how climate change is incorporated into the plans or rely on guidance documents (instead of legislation and regulation) to incorporate climate change. By addressing these gaps, climate adaptation can be incorporated into planning processes where it makes sense and in a logical way.

At the start of this most recent quarter, CIRCA launched [four ESRI Story Maps](#) highlighting the ROARs (Resilience Opportunity Areas) identified throughout the four COGs that participated in Resilient Connecticut Phase II – WestCOG, MetroCOG, SCRCOG, and NVCOG. ROARs represent the intersection of climate-induced flooding and heat risks with vulnerable populations and planning priorities such as affordable housing, transit-oriented development, wastewater infrastructure, and drinking water infrastructure. Municipalities and residents can use these interactive Story Maps to explore neighborhoods with strong potential for climate resilience projects alongside map layers that can be switched on to display measures of flood and heat vulnerability, social vulnerability, and other planning investments in each area.

CIRCA, the UConn Law School's Center for Energy & Environmental Law (CEEL) and Diversity Alliance partnered to host an [Earth Day Resilient Communities Conference](#) on April 22. This event brought together specialists in environmental law, municipal finance, climate and marine science, and community planning and included remarks from state Senator Christine Cohen and CT DEEP Commissioner Katie Dykes. A keynote speaker from Cornell, Dr. Linda Shi, framed decision-making challenges facing municipalities in a time of climate change. See the [event website](#) for more details.

Technical Supporting Activities

The research team has continued preparing modeling and data transfer materials for the consultant teams working on the Phase III site planning efforts. The team completed deliverable packages for Branford, Fairfield, Norwalk, and New Haven/Fair Haven, which included flood risk modeling comparisons, validations, accuracy statements, and flood level results for storm surges and waves with sea-level rise and tidal fluctuations, and riverine flooding scenarios. We also updated the packages to include RTK elevations on the underpasses and bridges in those areas and updated the model results. The team moved their modeling efforts to the riverine areas and established a hydrological and hydraulic model in Ansonia. The team calibrated the PRMS hydrology model and validated its results using the nearest USGS stations to obtain streamflow and runoff for the catchment basin. In addition, as part of the fieldwork program, heat sensors have been maintained in Norwalk and Danbury. The existing Bluetooth sensors were replaced with new cell service-connected sensors to obtain real-time data. The sensors will be collected at the end of October.

Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of community engagement	0	6/15
# of Plans or Planning Products	0	0/1

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources

No Other Funding Sources Found

Other Funding Sources Budgeted - Detail

Match Sources	Amount
Department of Economic and Community Development	\$30,350,000.00
Department of Transportation	\$81,400,000.00
Subtotal Match Sources	

Activity Supporting Documents: None