

Grantee: Connecticut - DOH

Grant: B-13-DS-09-0002

January 1, 2022 thru March 31, 2022 Performance

Grant Number: B-13-DS-09-0002	Obligation Date:	Award Date:
Grantee Name: Connecticut - DOH	Contract End Date: 09/30/2023	Review by HUD: Submitted - Await for Review
Grant Award Amount: \$54,277,359.00	Grant Status: Active	QPR Contact: Hermia Delaire
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 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	\$343,023.28	\$15,257,264.10
Total Funds Drawdown	\$343,023.28	\$15,217,419.30
Program Funds Drawdown	\$343,023.28	\$15,217,419.30
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$343,023.28	\$15,217,449.30
HUD Identified Most Impacted and Distressed	\$4,415.18	\$7,108,876.51
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	\$ 343,023.28	\$ 15,217,449.30
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	\$8,022,434.42
Minimum Supporting Leverage	\$925,846,000.00	\$0.00	\$0.00
Minimum Direct Leverage	\$146,820,899.00	\$0.00	\$0.00
Limit on Public Services	\$8,141,603.85	\$0.00	\$0.00
Limit on Admin/Planning	\$12,380,665.59	\$12,383,323.00	\$7,194,984.88
Limit on Admin	\$0.00	\$2,713,868.00	\$1,620,687.69
Most Impacted and Distressed	\$54,277,359.00	\$0.00	\$7,108,876.51

Overall Progress Narrative:

During the 1st 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. Into Q1 2022, the key work involved completion of the 90% Final Design plans, specifications and estimates, and sourcing of additional funding. Additionally, the team will continue the project outreach to stakeholders and state and federal agencies including conducting Technical and Citizen Advisory Committee meetings and a Public Meeting. Q4 also included continued 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.

Project Summary

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



NDR-ADMIN-26336, Administration	\$50,931.98	\$2,713,868.00	\$1,620,687.69
NDR-BPT-, Bridgeport South End	\$4,523.75	\$42,574,036.00	\$8,206,399.42
NDR-CCRP-, Connecticut Connections Coastal Resilience	\$287,567.55	\$8,989,455.00	\$5,390,332.19
OV, Outcome Values	\$0.00	\$0.00	\$0.00
SL, Supporting Leverage	\$0.00	\$0.00	\$0.00

Activities

Project # / NDR-ADMIN-26336 / Administration



Grantee Activity Number: NDR-ADMIN

Activity Title: Administration

Activity Type:

Administration

Project Number:

NDR-ADMIN-26336

Projected Start Date:

02/08/2017

Benefit Type:

N/A

National Objective:

NA

Activity Status:

Under Way

Project Title:

Administration

Projected End Date:

09/30/2022

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

STATE OF CONNECTICUT

Overall	Jan 1 thru Mar 31, 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	\$50,931.98	\$1,620,687.69
Total Funds Drawdown	\$50,931.98	\$1,620,687.69
Program Funds Drawdown	\$50,931.98	\$1,620,687.69
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$50,931.98	\$1,620,687.69
STATE OF CONNECTICUT	\$50,931.98	\$1,620,687.69
Most Impacted and Distressed Expended	\$0.00	\$0.00

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 Q1 the 90% submission for FRRP and RBD were received. All 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. 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:

Dike/dam/stream-river bank repairs

Project Number:

NDR-BPT-

Projected Start Date:

02/08/2017

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**Total Projected Budget from All Sources****Jan 1 thru Mar 31, 2022 To Date**

\$0.00 \$35,630,036.00

Total Budget

\$0.00 \$35,630,036.00

Total Obligated

\$3,845.19 \$6,822,136.50

Total Funds Drawdown

\$3,845.19 \$6,822,136.50

Program Funds Drawdown

\$3,845.19 \$6,822,136.50

Program Income Drawdown

\$0.00 \$0.00

Program Income Received

\$0.00 \$0.00

Total Funds Expended

\$3,845.19 \$6,822,166.50

STATE OF CONNECTICUT

\$3,845.19 \$6,822,166.50

Most Impacted and Distressed Expended

\$3,845.19 \$5,942,963.28

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:

Bi-weekly conference calls were conducted with CT DOH, CT DOT and the Design Team to coordinate issues and review design status. Designer submitted 90% final design documents for review and response matrix for comments on the 60% final design. Coordination meetings were conducted with CT DEEP, City of Bridgeport and the Bassick High School team. Tree Inventory for Seaside Park was completed this quarter. Preparation of subsurface investigation bid documents was completed. Designer coordinating with CT DOH regarding access to private properties to conduct the program. 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.



Outreach meetings were conducted to inform stakeholders and the public of project status. TAC and CAC meeting were conducted on March 9, 2022, and a Public Info. meeting was conducted on March 23, 2022. All were conducted virtually.

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



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**Total Projected Budget from All Sources****Jan 1 thru Mar 31, 2022 To Date**

\$0.00 \$1,000,000.00

Total Budget

\$0.00 \$1,000,000.00

Total Obligated

\$108.57 \$190,788.21

Total Funds Drawdown

\$108.57 \$190,788.21

Program Funds Drawdown

\$108.57 \$190,788.21

Program Income Drawdown

\$0.00 \$0.00

Program Income Received

\$0.00 \$0.00

Total Funds Expended

\$108.57 \$190,788.21

STATE OF CONNECTICUT

\$108.57 \$190,788.21

Most Impacted and Distressed Expended

\$0.00 \$165,855.07

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:

Construction/reconstruction of streets

Project Number:

NDR-BPT-

Projected Start Date:

02/08/2017

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**Total Projected Budget from All Sources****Jan 1 thru Mar 31, 2022 To Date**

\$0.00 \$5,264,000.00

Total Budget

\$0.00 \$5,264,000.00

Total Obligated

\$569.99 \$1,009,509.71

Total Funds Drawdown

\$569.99 \$1,009,509.71

Program Funds Drawdown

\$569.99 \$1,009,509.71

Program Income Drawdown

\$0.00 \$0.00

Program Income Received

\$0.00 \$0.00

Total Funds Expended

\$569.99 \$1,009,509.71

STATE OF CONNECTICUT

\$569.99 \$1,009,509.71

Most Impacted and Distressed Expended

\$569.99 \$879,180.76

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:

Final Design continued this quarter including pump station, stormwater park and roadway geometry designs. Designer submitted 90% final design documents for review and response matrix for comments on the 60% final design. Coordination with City of Bridgeport and CT DEEP occurred this quarter. Bi-weekly conference calls were conducted with CT DOH, CT DOT and the Design Team to coordinate issues and review design status. Preparation of subsurface investigation bid documents was completed. Designer coordinating with CT DOH regarding access to private properties to conduct the program. Efforts are underway to resolve questions associated with acquisition of rights-of way, long-term ownership of the facilities and plan for operations and maintenance. Preparation of environmental permit applications continued during this period. Outreach meetings were conducted to inform stakeholders and the public of project status. TAC and CAC meeting were conducted on March 9, 2022, and a Public Info. meeting was conducted on March 23, 2022. All were conducted virtually. 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

Activity Type:

Planning

Project Number:

NDR-CCRP-

Projected Start Date:

02/08/2017

Benefit Type:

Area (Census)

National Objective:

NA

Activity Status:

Under Way

Project Title:

Connecticut Connections Coastal Resilience Plan

Projected End Date:

09/30/2022

Completed Activity Actual End Date:

Responsible Organization:

STATE OF CONNECTICUT

Overall	Jan 1 thru Mar 31, 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	\$287,567.55	\$5,390,332.19
Total Funds Drawdown	\$287,567.55	\$5,390,332.19
Program Funds Drawdown	\$287,567.55	\$5,390,332.19
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$287,567.55	\$5,390,332.19
STATE OF CONNECTICUT	\$287,567.55	\$5,390,332.19
Most Impacted and Distressed Expended	\$0.00	\$0.00

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:

In this Quarter, the Resilient Connecticut team completed a final report for Phase II which summarized the vulnerability assessment and planning process which resulted in the identification of Resilience Opportunity Areas (ROARs) in Fairfield and New Haven Counties. Additional engagement with state agencies and municipalities was conducted to present potential project sites for Phase III, get feedback on prioritization, and develop scopes of work for site/community scale planning efforts in Phase III. A final draft plan for Phase III which includes 7 project areas in the following municipalities: Danbury, Norwalk, Fairfield, Stratford, Ansonia, New Haven, and Branford, was presented to the SAFR State Agency Workgroup on 3/18.

Planning

In the first quarter of 2022 the Planning Team completed a final report for Resilient Connecticut Phase II, which summarized the vulnerability assessment and planning process which resulted in the identification of Resilience Opportunity Areas (ROARs) in Fairfield and New Haven Counties. The report includes a map portfolio for 20 ROARs that were selected as potential sites for additional planning work in Phase III. The final report for Phase II and related materials can be found here:

<https://resilientconnecticut.uconn.edu/resilience-opportunities/>.

The Planning Team also spent much of this quarter conducting follow-up engagement with state agencies and



municipalities to get feedback on potential sites and confirm the capacity and interest of municipal staff to partner on Phase III planning work for specific sites. A meeting of the State Agencies Fostering Resilience (SAFR) State Agency Workgroup was held on 2/4 to discuss preliminary prioritization of potential Phase III project areas and get feedback on sites. Additional meetings with individual state agencies were conducted to provide a more in-depth overview of the project areas and get specific feedback on parallel planning efforts led by agencies. These meetings included DPH (1/7 and 1/14), DECD (1/5), DOT (1/13), and the Connecticut Green Bank (2/9). Follow-up engagement with municipalities was conducted to confirm interest and discuss scopes of work for Phase III projects: Bridgeport (2/2), Stratford (2/10 and 3/3), Waterbury (2/14), New Haven (2/18), Norwalk (2/17 and 3/25), and Danbury (2/24). A 2nd SAFR meeting was held on 3/18 to present a final draft plan for Phase III which includes 7 project areas in the following municipalities: Danbury, Norwalk, Fairfield, Stratford, Ansonia, New Haven, and Branford.

Engagement

In this quarter CIRCA released a new white paper as part of the Resilient Connecticut Information Series. The paper entitled, "Floodplain Building Elevation Standards for Critical Facilities" explains how critical structures are subject to different standards regarding flood protection measures. Determining the appropriate flood protection height required for an infrastructure project can be complex. Factors vary depending on a project's location, funding source, construction type and critical/non-critical designation. This white paper explains concepts and definitions to help navigate design standards for consultants and state and municipal staff.

CIRCA's Director of Resilience Planning participated in a DOT Podcast titled, "Climate Change Effects on State Transportation". In Episode 23 of DOT's Along the Lines that aired on January 18, host Rich Andreski and his guests from the Connecticut Department of Transportation (DOT) and CIRCA discuss the importance of making our vital public transportation systems more resilient to climate change. The podcast's roundtable members also discussed the vulnerability of transportation systems and how decisions of greener commuting choices can help combat climate change.

CIRCA staff have been working hard this quarter to prep for an April 22nd Earth Day Resilient Communities Conference. Held in partnership with the UConn School of Law, this event will feature an update on the Resilient Connecticut project as well as municipal and state staff who have been involved in the work thus far.

Technical Supporting Activities

The research team has been preparing a deliverable package for the consultant teams that will work on the Phase III site planning efforts. The deliverable package will include flood risk modeling comparisons, validations, and accuracy statements, and flood level results for storm surges, waves with sea-level rise and tidal fluctuations, and riverine flooding scenarios. The Team has worked on high-resolution modeling of Fair Haven (New Haven), Norwalk, and Branford. A hydrology model for Danbury is in development, including obtaining hydrographic data, weather forcing, vegetation, land cover, soil, and routing properties. The research team will move next to hydraulic modeling to map out riverine flooding when the runoff flow is calculated for Danbury. The Team will finish the deliverable packages for Fair Haven, South Norwalk, Branford, Fairfield, Stratford, Danbury, and Ansonia in the next quarter, as Phase III planning gets underway.

A capacity building research team led by Dr. Mariana Fragomeni has also issued a new report, Identifying the Change in Heat Vulnerability and Land-use Influence that describes the occurrence and intensification of urban heat islands in Connecticut cities. Findings indicate that the appearance and intensification of urban heat islands in Fairfield and New Haven counties are linked to the loss of vegetation due to expansion and intensification of urbanization in the last 20 years.

To support the initial assessment of heat vulnerability using satellite imagery in Fairfield and New Haven Counties, the Team is planning to deploy temperature and humidity sensors to Norwalk and Danbury. The sensors are aimed to collect data throughout summer 2022 and provide in-situ measurements of temperatures experienced by residents at street level over different landscape typologies and neighborhoods in each city. A field deployment plan is currently being developed and additional engagement with city staff is ongoing to identify specific locations for the temperature sensors.

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

