

ATTACHMENT B  
**LEVERAGE DOCUMENTATION**

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U.S Department of Housing & Urban Development's  
**NATIONAL DISASTER RESILIENCE COMPETITION**

**APPLICANT: THE STATE OF CONNECTICUT  
PHASE II APPLICATION**

October 27, 2015

# Attachment B Leverage Documentation

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Program/Project	Contributor	Regional Programmatic Leverage	New Haven Project Leverage	Bridgeport Project Leverage	Total Amount Leveraged	Direct Commitment	Supporting Commitment
Rezoning w/ Resiliency provisions	City of Bridgeport			\$ 50,000	\$ 50,000	\$ 50,000	
South End NRZ plan	City of Bridgeport			\$ 100,000	\$ 100,000	\$ 100,000	
Barnum Station TOD Plan	CTDOT			\$ 146,000,000	\$ 146,000,000		\$ 146,000,000
Urban Act - NRZ Streetscape Improvements	DECD			\$ 165,000	\$ 165,000	\$ 165,000	
Brownfield Loan Program	DECD			\$ 2,200,000	\$ 2,200,000	\$ 2,200,000	
Bridgeport Downtown Station	CTDOT			\$ 8,000,000	\$ 8,000,000	\$ 8,000,000	
Bridgeport Eco-Tech Park	DECD, BEDCO, Private			\$ 200,000	\$ 200,000		\$ 200,000
Micro-Grid - U of B	DEEP			\$ 2,180,899	\$ 2,180,899	\$ 2,180,899	
Micro-Grid - Downtown Bridgeport	DEEP			\$ 2,975,000	\$ 2,975,000	\$ 2,975,000	
Green Bank District Heating	Private			\$ 427,000	\$ 427,000	\$ 427,000	
60 Main Street	Private			\$ 10,000,000	\$ 10,000,000		
Downtown Crossing Phase I	City of New Haven		\$ -			\$ -	
NH Outfall Renovation	City of New Haven		\$ 160,000		\$ 160,000	\$ 160,000	
Long Wharf Shoreline Stabilization	City of New Haven		\$ 300,000	\$ -	\$ 300,000	\$ 300,000	
Hill to Downtown Study	City of New Haven, OPM, DEEP, HUD		\$ 1,200,000		\$ 1,200,000	\$ 1,200,000	
New Haven Railyard Resilience Improvements	CT DOT		\$ 31,000,000		\$ 31,000,000	\$ 31,000,000	
New Haven Railyard Resilience Improvements	CT DOT		\$ 98,000,000		\$ 98,000,000		\$ 98,000,000
Long Wharf Boathouse Development	CTDOT		\$ 400,000	\$ -	\$ 400,000	\$ 400,000	
New Haven Station Parking Garage	CTDOT		\$ 50,000,000		\$ 50,000,000	\$ 50,000,000	
Downtown Crossing Phase I + Phase II	CTDOT, OPM, DECD,		\$ 68,600,000		\$ 68,600,000	\$ 68,600,000	
TOD Planning Pilot Federal Transit Funds	CTDOT, UCINN		\$ 100,000		\$ 100,000	\$ 100,000	
Hill to Downtown Study	OPM, HUD Challenge		\$ 1,200,000		\$ 1,200,000	\$ 1,200,000	
New Haven Info Center	Private		\$ 100,000		\$ 100,000		\$ 100,000
Tower East / Tower One	Private		\$ 300,000		\$ 300,000		\$ 300,000
Stormwater / Sewer reconstruction - Union Ave Pump Station	WPCA		\$ 70,000,000		\$ 70,000,000	\$ 70,000,000	
Relocation of DPH facilities in NH					\$ -		
Lets GO CT! Green Infrastructure	CTDOT	\$ 1,000,000			\$ 1,000,000	\$ 1,000,000	
LOTICIP Program	CTDOT	\$ 7,000,000			\$ 7,000,000		\$ 7,000,000
Municipal Development Plan (MDP) Program	DECD	\$ -			\$ -		\$ -
TOD Pre-Development Fund	DECD	\$ 15,000,000			\$ 15,000,000		\$ 15,000,000
Brownfield Development and Remediation	DECD	\$ 40,000,000			\$ 40,000,000		\$ 40,000,000
Grants-in-aid, Green Infrastructure	DEEP	\$ 20,000,000			\$ 20,000,000	\$ 20,000,000	
LI Sound Stewardship and Resiliency Program	DEEP	\$ 20,000,000			\$ 20,000,000	\$ 20,000,000	
CT Clean Water Fund Green Infra Setaside	DEEP	\$ 100,000,000			\$ 100,000,000		\$ 100,000,000
Pollution Control Act Settlement	DEEP, CIRCA	\$ 1,900,000			\$ 1,900,000	\$ 1,900,000	
NDRC Application Fees	DEEP, CIRCA, OPM	\$ 600,000			\$ 600,000	\$ 600,000	
State Housing Trust Fund Program	DOH	\$ 30,000,000			\$ 30,000,000		\$ 30,000,000
Affordable Housing Flex Fund	DOH	\$ 35,000,000			\$ 35,000,000		\$ 35,000,000
Transit-Oriented Development Planning Grant Program (funded through PA 14-98)	OPM	\$ 13,000,000			\$ 13,000,000		\$ 13,000,000
NDRC Application Consultant Fees	OPM, DEEP	\$ 600,000			\$ 600,000	\$ 600,000	
Responsible Growth Incentive Fund (RGIF)	OPM	\$ 10,000,000			\$ 10,000,000		\$ 10,000,000
UI Substation - Mechanical Relocation	Utility	\$ 1,364,000			\$ 1,364,000		\$ 1,364,000
Eversource Energy	Utility	\$ 415,000,000			\$ 415,000,000		\$ 415,000,000
		<b>\$ 710,464,000</b>	<b>\$ 321,360,000</b>	<b>\$ 172,297,899</b>		<b>\$ 283,157,899</b>	<b>\$ 910,964,000</b>



## Leverage Tracker



STATE OF CONNECTICUT  
OFFICE OF POLICY AND MANAGEMENT

October 20, 2015

Secretary Benjamin Barnes  
State of Connecticut  
Office of Policy and Management  
450 Capitol Avenue  
Hartford, CT  
06106

RE: Commitment of Leveraged Funds for Community Development Block Grant National Disaster Resilience Competition

This letter is to confirm the commitment of funds that directly support the State Agencies Fostering Resilience (SAFR) program and pilot projects submitted as part of the State of Connecticut application to the United States Department of Housing and Urban Development under the Disaster Relief Appropriations Act, 2013, Public Law 113-2, for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition.

The Office of Policy and Management is committing a number of leveraged projects and/or funds to support this effort.

The Office of Policy and Management directly commits its portion of the \$68,600,000 put forth by the State of Connecticut and the City of New Haven to develop phases I and II of the New Haven Downtown Crossing project, a project that directly connects to the pilot project being undertaken in New Haven to address flooding in the Long Wharf, Downtown and Hill to Downtown neighborhoods, increasing pedestrian and bicycle mobility in the Union Station development district and creating new connections between the Union Station neighborhood and downtown and between Hill to Downtown and Long Wharf within the Union Station neighborhood. In addition, the Office of Policy and Management has committed 350,000 to the development of Connecticut's Phase 2 National Disaster Resilience Competition proposal utilizing the services of Parsons Brinkerhoff and our own SAFR-CT team to prepare the pilot projects and programmatic components of the Phase 2 Application.

The Office of Policy and Management is committing \$23,000,000 in supporting leverage funds for planning, implementation and activities associated with TOD and responsible growth initiatives to support the CDBG-NDR proposal for pilot projects in New Haven, Bridgeport and activities associated with the SAFR Connecticut Connections Coastal Resilience Plan.

Office of Policy and Management looks forward to working with SAFR to promote resilience in our pilots, throughout our target area and through the Connecticut Connections Coastal Resilience plan effort.

Sincerely,

A handwritten signature in blue ink that reads "Benjamin Barnes".

Letters of Commitment





October 21, 2015

James O'Donnell, Executive Director  
Connecticut Institute for Resilience and Climate Adaptation  
University of Connecticut, Avery Point Campus  
1080 Shennecossett Rd  
Groton, CT 06340

Brian P. Thompson, Director  
Office of Long Island Sound Programs  
Bureau of Water Protection and Land Reuse  
Connecticut Department of Energy and Environmental Protection  
79 Elm Street, Hartford, CT 06106

RE: Commitment of Leveraged Funds for Community Development Block Grant National Disaster Resilience Competition

This letter is to confirm the commitment of funds that are available to the Applicant, the State of Connecticut through the University of Connecticut, Connecticut Institute for Resilience and Climate Adaptation (CIRCA) to directly support the State Agencies Fostering Resilience (SAFR) program and pilot projects submitted as part of the State of Connecticut application to the United States Department of Housing and Urban Development under the Disaster Relief Appropriations Act, 2013, Public Law 113-2, for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition.

The Connecticut Institute for Resilience and Climate Adaptation is committing funds to directly support the overall proposal as follows:

The Connecticut Institute for Resilience and Climate Adaptation commits to providing \$1,900,000 in direct leverage funds from its MOU with the Department of Energy and Environmental Protection for the use of the Supplemental Environmental Project (SEP) settlement from the plea agreement. The MOU states that the funds are for “the purpose of creat[ing] a multi-disciplinary, regional center of excellence that brings together experts in the areas of natural science, engineering, economics, political science, finance, and law to provide practical solutions that will help coastal and inland floodplain communities in Connecticut and throughout the Northeast adapt to a changing climate and make their human-built infrastructure more resilient. Such center shall be called the Connecticut Institute for Resilience and Climate Adaptation.” As stated in the MOU, the purpose of CIRCA is consistent with the overall scope of the proposal, which is to increase the resilience of Connecticut’s communities. The funds will be

Avery Point Campus  
**Connecticut Institute For Resilience  
And Climate Adaptation**  
1080 SHENNECOSSETT ROAD  
MARINE SCIENCES BUILDING  
GROTON, CT 06340  
PHONE 860.405.9228  
FAX 860.405.9287  
circa@uconn.edu  
circa.uconn.edu  
*An Equal Opportunity Employer*



used throughout the state of Connecticut for resilience activities consistent with the Institute's mission.

Although the Institute was founded just prior to the release of the NOFA on September 17, 2014, most of the Institute's funding was not allocated to projects until after the date of the release of the NOFA. The UConn-DEEP MOU allowing access to funding was signed on May 21, 2014. The MOU called for three MOU-funded positions to carry out projects, an Executive Director appointed in July 1, 2014, a Director of Community Engagement hired August 22, 2014, and a Program Manager hired December 1, 2014. None of the \$1.2 million in funds for research and municipal grants were allocated until January 2015 and more than \$1 million of those combined funds has yet to be allocated.

*Applicant Determination of Use of Funding After the Date of NOFA:* CIRCA led the development of Connecticut's Phase 1 National Disaster Resilience Competition proposal using CIRCA resources and a \$250,000 grant from DEEP (see Phase 1 Application Leverage Letter) to prepare the Phase 1 Application. CIRCA has been instrumental in setting the priorities of the NDRC application in Phase 1 and Phase 2 in cooperation with SAFR and with the community engagement of the application process. Conversely, the direction of SAFR and the NDRC process has also influenced the direction of CIRCA. CIRCA will play a leading role in the planning activities of the NDRC proposal, basing that planning process on the NDRC process and repeating it in other coastal municipalities. As a member of SAFR, through the University of Connecticut, CIRCA will coordinate its MOU-funded research and grants programs with SAFR as well as using MOU-funded staff time to attend SAFR meetings and carry out SAFR activities. Furthermore, CIRCA staff has attended all of the Rockefeller Resilience Academies and that training has served as professional development for those staff members as they design and run resilience programs and projects in Connecticut.

Sincerely,



James O'Donnell, Executive Director  
Connecticut Institute for Resilience and Climate Adaptation



Brian P. Thompson, Director  
Office of Long Island Sound Programs



# STATE OF CONNECTICUT

## DEPARTMENT OF TRANSPORTATION

2800 BERLIN TURNPIKE, P.O. BOX 317546  
NEWINGTON, CONNECTICUT 06131-7546



Office of the  
Commissioner

An Equal Opportunity Employer

October 21, 2015

Commissioner James Redeker  
State of Connecticut  
Department of Transportation  
2800 Berlin Turnpike  
Newington, Connecticut 06131

RE: Commitment of Leveraged Funds for Community Development Block Grant National Disaster Resilience Competition

This letter is to confirm the commitment of funds that directly support the State Agencies Fostering Resilience (SAFR) program and pilot projects submitted as part of the State of Connecticut application to the United States Department of Housing and Urban Development under the Disaster Relief Appropriations Act, 2013, Public Law 113-2, for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition.

The Connecticut Department of Transportation (Department) is committing a number of leveraged projects and/or funds to support this effort.

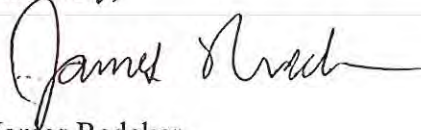
The Department commits to providing \$31 million in direct leverage for the reconstruction of critical rail yard facilities that tie into the construction of the proposed New Haven protection berm; \$50 million in direct leverage for the new parking garage and pedestrian access to Union Station that will connect to improvements along Union Avenue and in the Hill to Downtown community; and \$400,000 for improvements along the edge of Long Wharf, which ties into the coastal edge protection plan put forth in the New Haven pilot. On a smaller scale, but important to our commitment, is to develop innovative and resilient solutions for transportation infrastructure, we commit \$100,000 to a resiliency study for the I-95 corridor to be conducted in partnership with the University of Connecticut.

The Department directly commits its portion of the \$68,600,000, put forth by the State of Connecticut, through DECD, the Department, OPM funds, and the City of New Haven to develop phases I and II of the New Haven Downtown Crossing project, a project that directly connects to the pilot project being undertaken in New Haven to address flooding in the Long Wharf, Downtown and Hill to Downtown neighborhoods, increasing pedestrian and bicycle mobility in the Union Station development district, and creating new connections between the Union Station neighborhood and downtown and between Hill to Downtown and Long Wharf within the Union Station neighborhood, and an additional \$1 Million for a green streets pilot project coordinated with the DEEP.

The Department commits supporting leverage of \$98 Million for additional improvements to New Haven Rail Yard focused on flood protection/mitigation. The Department commits more than \$146 million to the construction of Barnum Station TIGER application and the development of the surrounding TOD to support the development of resilient TOD in Bridgeport and an additional \$8 Million to renovate Downtown Bridgeport station to more effectively accommodate users. The Department manages two programs that are focused on the redevelopment of streets that the Department envisions as assisting in the funding of resilient street initiatives as new resilient street guidelines are promulgated in the State of Connecticut. Additionally, \$7 Million in funding in the LOTCIP program will be considered to support future resilient street design and construction projects.

The Connecticut Department of Transportation looks forward to working with SAFR to promote resilience in our pilots, throughout our target area, and through the Connecticut Connections Coastal Resilience plan effort.

Sincerely,

A handwritten signature in black ink, appearing to read "James Redeker", with a long horizontal flourish extending to the right.

James Redeker  
Commissioner





Department of Economic and  
Community Development

**Connecticut**  
still revolutionary

**Catherine H. Smith**  
Commissioner

October 21, 2015

U.S. Department of Housing and Urban Development  
451 7<sup>th</sup> Street S.W.  
Washington, DC 20410

**Re: Commitment of Leveraged Funds for Community Development Block Grant National  
Disaster Resilience Competition**

This letter is to confirm the commitment of funds that directly support the State Agencies Fostering Resilience (SAFR) program and pilot projects submitted as part of the State of Connecticut application to the United States Department of Housing and Urban Development under the Disaster Relief Appropriations Act, 2013, Public Law 113-2, for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition.

The Department of Economic and Community Development is committing a number of leveraged projects and/or funds to support this effort.

Department of Economic and Community Development has committed to providing \$2,200,000 in direct leverage for the SAFR-CT Connections Phase 2 NDRC Application. These funds are in the form of a loan for brownfield remediation at 60 Main Street in Bridgeport, a development that is integrated into the resilience pilot project for Bridgeport. DECD is committing \$165,000 in Urban Act fund for street improvements in the pilot target area of South End for improvements to the local street network that will tie into Park Avenue and University Avenue street improvement project.

DECD has committed its portion (\$30,350,000) of the \$68,600,000 put forth by the State of Connecticut, through DECD, CTDOT and OPM funds, and the City of New Haven to develop phases I and II of the New Haven Downtown Crossing project, a project that directly connects to the pilot project being undertaken in New Haven to address flooding in the Long Wharf, Downtown and Hill to Downtown neighborhoods, increasing pedestrian and bicycle mobility in the Union Station development district and creating new connections between the Union Station neighborhood and downtown and between Hill to Downtown and Long Wharf within the Union Station neighborhood.


DECD has committed \$100,000 towards the development of the Bridgeport Eco-Tech park, which is an effort borne out of the HUD RBD effort and connected to the South End resilience project.

DECD will be working closely with OPM as a member of SAFR to evaluate resilience plans that will be put forward by municipalities in our target region (New Haven and Fairfield Counties) in order to target available State funds to support the implementation of specific resilient projects. Two funds that will be considered are the Municipal Development Plan (MDP) Program and the CT TOD

Acquisition and Pre-Development Fund (total loan fund available is \$15 million), both of which can focus on the mission of SAFR to implement resilient TOD and resilient corridor improvements that lead to increased resiliency in our communities with high unmet need. DECD and OPM will consider targeting a portion of the funding available under these two programs (where appropriate and consistent with program mission and requirements) towards our target resilient communities. DECD's Office of Brownfield Remediation and Development was authorized \$40 million in new funding for FY 16-17 for brownfield work in the state. If successful in receiving the NDRC grant, DECD will work to target a portion of the available funds towards TOD and resiliency projects.

Department of Economic and Community Development looks forward to working with SAFR to promote resilience in our pilots, throughout our target area and through the Connecticut Connections Coastal Resilience plan effort.

Sincerely,



Catherine H. Smith  
Commissioner

Cc: Tim Sullivan, Deputy Commissioner, DECD  
April Capone, Manager of Intergovernmental Affairs, OPM

845 Brook Street, Rocky Hill, CT 06067  
T 860.563.0015  
ctgreenbank.com



October 20, 2015

Bryan Garcia  
President and CEO  
Connecticut Green Bank  
845 Brook St, Rocky Hill, CT 06067

**RE: Commitment of Leveraged Funds for Community Development Block Grant National Disaster Resilience Competition**

This letter is to confirm the commitment of funds that are available to Connecticut Green Bank to directly support the State Agencies Fostering Resilience (SAFR) program and pilot projects submitted as part of the State of Connecticut application to the United States Department of Housing and Urban Development under the Disaster Relief Appropriations Act, 2013, Public Law 113-2, for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition.

**Supporting Leverage Commitment**

The Connecticut Green Bank is committing funds to support the overall proposal as follows:

The Connecticut Green Bank commits to providing under an executed loan agreement with NuPower Thermal Bridgeport LLC in the amount of \$427,000 to support and leverage funds for a district energy (heating and cooling) system, commonly known as a thermal loop, in downtown Bridgeport ("District Energy" or "Project") to support the CDBG-NDR proposal in Bridgeport in Fairfield County.

Green Bank pre-development funding is being used to co-fund the achievement of critical Project milestones, including customer acquisition, engineering and final system design, permitting, and legal costs. Green Bank funding includes a feasibility loan of \$89,000 closed on February 13, 2013 and a predevelopment loan in the amount of \$427,000. The predevelopment loan repaid in its entirety the feasibility loan and provided for incremental funding of \$338,000 and was closed on November 25, 2014, the latter of which occurred after release of the NDRC NOFA on Sept 17, 2014. The total development loan (i.e., the \$427,000) is to be repaid to the Green Bank upon conversion of the project financing to term financing. The loan has an interest rate of 0% for the first \$89,000, while the remaining amount of the loan carries an interest rate of 5%.

**Background Information**

The Project will be located in the CDBG-NDR target area of Bridgeport's South End. The Project will capture low temperature heating and cooling from the Wheelabrator waste-to-energy plant, the planned University of Bridgeport Fuel Cell, the Emera

combined-cycle natural gas-fired plant, and other industrial sources, and re-distribute it to buildings in the South End neighborhood. The Project will rely on proven low temperature heating and cooling technology that has been implemented throughout Europe.

Through Green Bank leadership, there is potential to (1) capture waste energy that is currently being exhausted into the atmosphere and (2) network several discrete energy distribution networks in Bridgeport's South End. The South End's energy distribution network is currently uncoordinated, creating a unique energy ecosystem that provides redundant power in the event of emergency or during peak demand and generates new forms of revenue and environmental benefits. This networked system could provide critical backup power and heating and cooling to important facilities in the neighborhood, including: University of Bridgeport, Southwest Community Health Center, public housing, Webster Arena, and others.

The discrete energy distribution networks in Bridgeport's South End also include the Public Service Enterprise Group (PSEG). PSEG, a major land owner in the South End East neighborhood, operates two coal fired power plants with plans to build one additional gas fired power plant at 12 Ferry Access Road, all within the project target area. Nearby, the University of Bridgeport Renewable Energy Research Laboratory is the recipient of \$2.2 million dollar Connecticut Department of Energy and Environmental Protection grant developing a micro-grid from fuel cell technology that provides power to six campus buildings including two residence halls.

The development of the Project will take place in two phases. Phase I is anticipated to serve three million square feet of thermal heating demand and 5.3 miles of piping at a capital cost of approximately \$20-\$25 million. Phase II will encompass approximately three million of additional square feet and 1.5 miles of piping requiring an added capital cost of approximately \$14 million.

The Green Bank is also providing ongoing assistance to the Project, including work toward the issuance of non-taxable private activity bonds under the Green Bank's Private Activity Bond Volume Cap Allocation. For the calendar year 2015, the Green Bank has an allocation of approximately \$98.9 million. Phase I and Phase II of the Project can potentially be accommodated within these private activity bond allocation limits.

The Green Bank will continue to provide leadership and guidance to help ensure a coordinated energy distribution system that enhances the resiliency capabilities of this neighborhood.

Sincerely,

A handwritten signature in blue ink, appearing to read "B. Garcia", with a long horizontal line extending to the right.

Bryan T. Garcia  
President and CEO

**Peter J. Clarke**  
Senior Vice President  
Electric Engineering and  
Emergency Preparedness

October 21, 2015

RE: Commitment of Leveraged Funds for Community Development Block Grant  
National Disaster Resilience Competition

This letter is to confirm the commitment of funds that are available to Eversource Energy (Eversource) to directly support the State Agencies Fostering Resilience (SAFR) program and pilot projects submitted as part of the State of Connecticut application to the United States Department of Housing and Urban Development under the Disaster Relief Appropriations Act, 2013, Public Law 113-2, for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition.

Eversource commits to providing approximately \$415 million, as outlined on Attachment A, in supporting leverage funds for several resiliency projects in coastal municipalities of Fairfield and New Haven Counties relating to flood mitigation, structural and electrical hardening, and sectionalizing of the electrical distribution and transmission grid, as well as for projects relating to replacing and reinforcing gas supply lines.

The above commitment is in coordination with the award of CDBG-NDR grant funds.

Sincerely,



Peter J. Clarke  
Senior Vice President  
Electric Engineering  
and Emergency Preparedness

***ATTACHMENT A***  
***(all amounts are approximate)***

**Flood Mitigation**

Branford - Overhead line and substation work - \$5M:

Guilford - Overhead line and substation work - \$6.9M

Madison - Overhead line and substation work - \$2.9M

Norwalk - Norwalk 9S - \$400k

Stamford - Substation flood wall - \$1.2M

Westport - Substation Rehab - \$850k

**Structural and Electrical Hardening**

Madison - Madison 30R8 - \$1.5M

Norwalk - Tower replacement and security camera installation - \$853k

Stamford - Stamford 4R11 - \$558k

Various Transmission projects in Southwest CT - \$334.7M

**Sectionalizing**

Darien - Darien 13S8 - \$212k

Madison - Madison 30R14 - \$144k

**Gas Supply**

Replacement of approximately 45 miles of gas mains - ~\$60M  
(primarily located in Norwalk and Stamford)

October 16, 2015

RE: Commitment of Leveraged Funds for Community Development Block Grant National Disaster Resilience Competition

This letter is to confirm the commitment of funds that directly support the State Agencies Fostering Resilience (SAFR) program and pilot projects submitted as part of the State of Connecticut application to the United States Department of Housing and Urban Development under the Disaster Relief Appropriations Act, 2013, Public Law 113-2, for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition.

The Department of Energy and Environmental Protection is committing a number of leveraged projects and/or funds to support this effort (see table 1).

The Department of Energy and Environmental Protection commits to providing \$45,155,899 in leverage for the SAFR-CT Connections Phase 2 NDRC Application. These funding programs include the \$40 million in two new programs, the Grants-in-aid Green Infrastructure program and the Long Island Sound Stewardship program. Both programs promote resilient solutions across the state. The Department also commits two energy grants through their micro-grid program, a \$2,975,000 micro-grid for downtown Bridgeport and a \$2,180,899 micro-grid for the University of Bridgeport to provide two key locations for the community to turn to during local and regional power loss.

The Department of Energy and Environmental Protection is committing \$800,000,000 from the Connecticut Clean Water Fund that supports waste water treatment plant planning, construction and upgrades, resilience and green infrastructure.

Department of Energy and Environmental Protection looks forward to working with SAFR to promote resilience in our pilot projects, throughout our target area and through the Connecticut Connections Coastal Resilience plan effort.

Sincerely,



Robert J. Klee  
Commissioner

**UIL Holdings Corporation**  
157 Church Street  
PO Box 1564  
New Haven, CT 06506-0901  
Phone 203.499.2032  
Fax 203.499.3664

**Anthony Marone**  
Senior Vice President  
Customer and Business Services



October 22, 2015

**Re: Commitment of Leveraged Funds for Community Development Block Grant National Disaster Resilience Competition.**

This letter is to confirm the commitment of funds that support the State Agencies Fostering Resilience (SAFR) program and pilot projects submitted as part of the State of Connecticut application to the United States Department of Housing and Urban Development under the Disaster Relief Appropriations Act, 2013, Public Law 113-2, for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition.

**Supporting Leverage Commitment:**

The United Illuminating Company has committed \$1,364,000 in support of coastal substation flooding mitigation activities in the New Haven and Bridgeport Ct regions. Additionally, the Company is in the process of developing further coastal flood mitigation projects that are orders of magnitude greater than the initial commitments made. These projects represent a phased approach to substation flood protection associated with the new FEMA FIRM map 100 Year levels. Activities include:

- Short term flood mitigation measures for 6 coastal substations.
- Assessment phase for long term mitigation measures
- Review of substation yard, control house, and critical equipment elevations to determine flooding impacts.

Headquartered in New Haven, Connecticut, UIL Holdings Corporation (UIL) is a diversified energy delivery company serving approximately 700,000 electric and natural gas utility customers in 67 communities across two states, with combined total assets of over \$5 billion.

UIL Holdings looks forward to continuing to partner with this Connecticut Department of Housing, CIRCA and other participants on critical efforts to improve our overall resilience in the face of changing environmental factors and encourages HUD's awarding of CDBG-NDR funds to undertake this critical work.



UIL Holdings Corporation  
October 22, 2015  
Page 2

For additional information or questions regarding UIL's support for the Department of Housing's CDBG-NDR proposal, please contact me at [Anthony.marone@uinet.com](mailto:Anthony.marone@uinet.com).

Regards,

A handwritten signature in black ink, appearing to read 'Anthony Marone III', is written over a horizontal line.

Anthony Marone III  
Sr. Vice President Business & Customer Services



## Greater New Haven Water Pollution Control Authority

260 East Street New Haven, CT 06511  
203.466.5280 p 203 772.1564 f www.gnhwpc.com

October 26, 2015

Greater New Haven  
Water Pollution Control Authority  
260 East Street  
New Haven, CT 06511

Re: Commitment of Leveraged Funds for Community Development Block Grant National Disaster Resilience Competition

This letter is to confirm the commitment of funds that directly support the State Agencies Fostering Resilience (SAFR) program and pilot projects submitted as part of the State of Connecticut application to the United States Department of Housing and Urban Development under the Disaster Relief Appropriations Act, 2013, Public Law 113-2, for the Community Development Block Grant National Disaster Resilience (CDBG-NDR) competition.

The Greater New Haven Water Pollution Control Authority is committing direct leverage funds for a project that GNHWPCA will undertake as a Partner to directly support this effort.

The Greater New Haven Water Pollution Control Authority commits to providing \$70,000,000 in direct leverage for the SAFR-CT Connections Phase 2 NDRC Application. These funds are allotted for the planning, design and construction of an ESWPAF Upgrade including secondary nitrogen reduction process improvements, improved sludge handling and a complete electrical upgrade/replacement. These improvements will take place in the targeted project area in the City of New Haven and will provide a direct benefit to the resilience planning highlighted in the SAFR-CT Connections NDRC application.

The Greater New Haven Water Pollution Control Authority looks forward to working with SAFR to promote resilience in our pilots, throughout our target area and through the Connecticut Connections Coastal Resilience plan effort.

Very truly yours,

Greater New Haven Water Pollution Control Authority

Sidney J. Holbrook  
Executive Director

e-copy: Gabe Varca, Director of Finance  
Tom Sgroi, Director of Engineering  
Gary Zrelak, Director of Operations

## Sources and Uses Statement – *Bridgeport South End East Resilient Network*

<b>Sources:</b>	\$ 42,574,936	CDBG-NDR
	\$ 10,000,000	CDBG-DR
	\$ 8,000,000	CTDOT Ped Improvements, Signage and Wayfinding for Bridgeport Downtown Station
	\$ 5,155,899	DEEP MicroGrid Funding
	\$ 2,200,000	DECD Brownfield Loan Program
	\$ 1,000,000	LetsGoCT! and/or Grants-in-Aid Green Infrastructure
	\$ 427,000	Green Bank District Heating Loop
	\$ 165,000	DECD Urban Act NRZ Streetscape improvements
	\$ 100,000	City of Bridgeport South End NRZ Study
	\$ 50,000	City of Bridgeport Rezoning with resiliency provisions

### Uses:

#### CDBG-NDR

\$ 36,630,036	Funds to design and construct an earthen berm connecting extended University Avenue raised street back to Ferry Access Drive, providing integrated protection for South End East. Funds include a pedestrian pathway on berm, reconstruction of the CSO outfall with natural stormwater management features and landside stormwater management treatments on the interior of the berm.
\$ 5,264,000	Funds to design and construct University Avenue as a raised street from Park Avenue to Main Street, includes connections to perpendicular streets and localized stormwater management treatments.
\$ 1,000,000	Funds to select two community organizations to reconstruct/renovate/construct community design center and local satellite center for HUD RBD and SAFR Resilience Roadmap efforts. Facilities would provide space for community dialogue, information dissemination, fund and financing information for repairs and storm recovery functions.
\$ 350,000	Building off local resilience rezoning effort in Bridgeport, funds would conduct a study of resilience development guidelines for integration of development with new raised roadways, resilient streets and raised earthen berm
\$ 330,000	Building off of funding energy resiliency improvements in Bridgeport would study resilient strategies for integrated energy corridors and new opportunities for expanding South End East as energy district, creating jobs and economic opportunities locally.

#### CDBG-DR

\$10,000,000	CDBG-DR funds for Bridgeport to develop the HUD RBD competition entry. South End East is connected to HUD RBD target areas of Marina Village and Bridgeport Eco-Tech Park. Funds are being used to progress design concepts into implementation strategies
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### Sources and Uses Statement

## Direct Leveraged Funds

\$ 8,000,000	CTDOT funds to provide pedestrian improvements to Bridgeport downtown station. Berm and raised pedestrian path design will link to train station.
\$ 50,000,000	CTDOT funds to construct the 2 <sup>nd</sup> Union Station parking garage and new pedestrian access route to the Union Station platforms along Union Street, connecting to the reconstruction of Union Street as a “complete” street and new grand entry into Union Station.
\$ 5,155,899	Funds to develop two local MicroGrid projects to provide safe available locations for refuge when power is lost in community and to serve as basis for study of additional energy innovations that could support the economy of South End East.
\$ 2,200,000	DECD Brownfield remediation funds to support the development of 60 Main Street, a proposed residential development that will be tied into the Raised University Avenue and earthen berm to form protection for South End East. Funds are part of a capital stack of public and private funds designed to bring this site up to “shovel ready” condition.
\$ 1,000,000	Funds from either LetsGoCT! and/or Grants-in-Aid Green Infrastructure to develop an innovative resilient street design that will pilot the integrated development of resilient street guidelines
\$ 427,000	Funds provided by Green Bank to support new energy technology construction in South End East - development of District Heating Loop.
\$ 165,000	Funding from DECD as part of \$1 million allocation to Bridgeport to improve local street in South End East as a complete street pilot.
\$ 100,000	Funding from City of Bridgeport to develop resilience plan for South End which forms the basis for community based resilience planning, design and construction of Bridgeport pilot.
\$ 50,000	Funds provided by City of New Haven to develop new zoning guidelines with resilience guidelines after Hurricane Sandy.

## Sources and Uses Statement - *New Haven Union Station District*

<b>Sources:</b>	\$58,558,716	CDBG-NDR
	\$ 5,000,000	CDBG-DR
	\$ 31,000,000	CTDOT Railyard Protection
	\$ 50,000,000	CTDOT Union Station garage and pedestrian access
	\$ 68,600,000	NH Downtown Crossing (multiple sources – see breakdown for Downtown Crossing below)
	\$ 70,000,000	WPCA
	\$ 1,000,000	LetsGoCT! and/or Grants-in-Aid Green Infrastructure
	\$ 100,000	CTDOT Planning Pilot Federal Transit Funds
	\$ 1,200,000	Hill to Downtown Study
	\$ 860,000	Long Wharf outfall repair/shoreline stabilization/boathouse restoration



## Sources and Uses Statement (cont...)

**Uses:**

**CDBG-NDR**

\$35,328,916	Funds to design and construct the stormwater management system for Union Station District. Work includes stormwater by-pass, raised Brewery Road tied into CTDOT Railyard protection, raised Vision Trail, dry canal, Archimedes screw pump, naturalized irrigation system.
\$1,500,000	I-95 plug. Includes design and installation of road plug system under I-95 to protect Long Wharf during severe storm conditions.
\$ 3,501,200	Funds to conduct a next stage TOD study around Union Station. Funds to design and construct “green” street designs on local roads in Hill to Downtown district.
\$18,228,600	Funds to conduct a feasibility study, environmental impact evaluation, design and construction of a naturalized coastal edge along Long Wharf to protect edge against effects of sea level rise and severe storm erosion. Project feasibility study will be coordinate with the USACE General Investigation for New Haven and Fairfield Counties looking at the shoreline conditions and opportunities along riverine and coastal communities.

**CDBG-DR**

\$5,000,000	CDBG-DR funds applied to the creation of the flood model and alternatives analysis for the stormwater system for Union Station District
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**Direct Leveraged Funds**

\$ 31,000,000	CTDOT funds to raise Brewery Road within the boundary of the New Haven Rail Yard and protect the MOU building where the raised road pilot ties into the Railyard property.
\$ 50,000,000	CTDOT funds to construct the 2 <sup>nd</sup> Union Station parking garage and new pedestrian access route to the Union Station platforms along Union Street, connecting to the reconstruction of Union Street as a “complete” street and new grand entry into Union Station.
\$ 68,600,000	Funds from multiple sources (see Breakdown of Sources for Downtown Crossing) to design and construct Downtown Crossing to reknit the communities of Downtown New Haven with Hill to Downtown, creating direct pedestrian and vehicular access between Union Station and downtown and rebuild portions of the local street system that will tie into the street reconstruction proposed in this pilot in the Hill to Downtown neighborhood
\$ 1,000,000	Funds from either LetsGoCT! and/or Grants-in-Aid Green Infrastructure to develop an innovative resilient street design that will pilot the integrated development of resilient street guidelines
\$ 70,000,000	Funds contributed by the Water Pollution Control Authority (WPCA) in New Haven to construct a new sanitary pump and make improvements along Union Street to alleviate back-ups and ensure separation of sanitary and sewer systems in flooding areas.



**Sources and Uses Statement (cont...)**

\$ 100,000	Funding to develop a study in concert with Yale University to explore resiliency strategies for the I-95 berm-viaduct through Long Wharf
\$ 1,200,000	Funding from HUD Challenge Grant with combined local matching funds to craft a redevelopment strategy for the Hill to Downtown community. The study for Union Station TOD and design for resilient streets will build off of this community-based planning effort.
\$ 860,000	City and State funds to provide design and immediate repairs to Long Wharf coastal edge that will form the basis for development of natural coastal erosion protection strategy

**Sources and Uses Statement - *Connecticut Connections Coastal Resilience Plan***

**Sources:**

\$ 8,222,678	CDBG-NDR
\$1,900,000	CIRCA DEEP-UConn MOU Direct Leverage Funds
\$250,000	DEEP Direct Leverage Funds for Phase 1 Application Development
\$20,000,000	DEEP Long Island Sound Conservation Fund
\$19,000,000	DEEP Grants-in-Aid Green Infrastructure Fund

**Uses:  
CDBG-NDR**

\$1,682,763	Funds for the University of Connecticut, Connecticut Institute for Resilience and Climate Adaptation Staffing to Manage and Implement Planning Activities
\$3,250,020	Funds for the University of Connecticut to deliver five hydrology studies for the Sandy-impacted region in New Haven and Fairfield Counties for floodplain assessment and environmental studies
\$3,289,895	Funds for the University of Connecticut to deliver municipal coastal resilience plans for 13 municipalities in New Haven and Fairfield counties, including, but not limited to community development plans, land use and urban environmental design plans, small area and neighborhood plans, Individual project plans, and Policy—planning—management—capacity building activities

**Leverage Funds**

\$1,900,000	Funds for the purpose of creat[ing] a multi-disciplinary, regional center of excellence that brings together experts in the areas of natural science, engineering, economics, political science, finance, and law to provide practical solutions that will help coastal and inland floodplain communities in Connecticut and throughout the Northeast adapt to a changing climate and make their human-built infrastructure more resilient. Such center shall be called the Connecticut Institute for Resilience and Climate Adaptation.
\$250,000	Funds for the purpose of developing an application by the State of Connecticut in response to the US HUD NDRC NOFA. These funds have been spent in support of the NDRC effort being co-directed by the Connecticut Institute for Resilience and Climate Adaptation, which is housed at the University of Connecticut and DEEP. This funding enabled



	CIRCA and DEEP to select and convene an innovative design team for this NDRC application.
\$20,000,000	New State fund dedicated to the development of resilient solutions focused on the coastal communities of Connecticut and connected to resilient improvements that will benefit the Long Island Sound. Funds from this fund will be targeted for implementation of projects identified in the CT Connections Coastal Resilience Plan
\$19,000,000	Remaining funds from new \$20 million Grants-in-Aid Green Infrastructure fund which will target funding of projects that promote innovative green infrastructure solutions developed as part of the CT Connections Coastal Resilience Plan

## Breakdown of Sources for Downtown Crossing

### Phase I (Public Infrastructure Improvements)

City of New Haven \$7,718,000  
TIGER II \$16,000,000  
DECD - Urban Act \$8,850,000  
CT DOT - TIP \$1,500,000  
New Haven Parking Authority \$800,000  
Private Investment - \$500,000

### Phase I (Private TOD Development)

Winstanley - \$140 million  
DECD Grant to Alexion (main tenant) - \$6 million  
DECD Loan to Alexion - \$20 million  
Tax credits – up to \$25 million

### Phase II (Public Infrastructure Improvements)

DECD -Urban Act funds - \$15,666,154  
DECD - Special Act - \$5,833,846  
City of New Haven - \$12,000,000

### Phase II (Private TOD-Mixed Use Development)

Live Work Learn Play, Inc - \$395 million  
Potential Housing Authority Capital Funds - \$1.5 million  
Potential DOH CHAMP Funds

