

ExhibitFLeverage

Applicant: The State of Connecticut

Filename: ExhibitFLeverage

SAFR can boast more than a quarter of a million dollars in direct leverage for its program and pilot projects, illustrating support at the Federal, State and Local level and amongst organizations and private entities. Significant additional supportive leverage confirms the fact the SAFR mission and its pilot projects are closely aligned with Federal, State and Local funding priorities. The extent of leverage illustrates the fundamental shift in State policy towards integrating resiliency into all aspects of State policy from environmental policy, to transportation, economic development, housing and health. (See Leverage Table in attachment B (AttBLeverageDocumentation.pdf))

Exhibit F.7. Sources of Leverage

UConn-DEEP CIRCA MOU statewide direct leverage funds. Through monies garnered from the (\$1.9 Million) Pollution Control Act Settlement, DEEP partnered with UConn to establish CIRCA as the research institute dedicated to understanding the impacts of sea level rise and the effects of climate change and finding replicable and scalable adaptation solutions for vulnerable communities along the coast and inland waterways of the state. CIRCA has been driving the resilience agenda, shaping the mission of SAFR, researching climate change, and structuring the resilience approach.

Direct Regional Leverage. DEEP has constructed two new \$20 Million dollar programs (\$40 Million) that promote resilient solutions. The Long Island Stewardship and Resiliency Program is (\$20 million) dedicated to the protection of coastal marshes and other natural buffer areas. The Grants-in-aid for Green Infrastructure Program (\$20 Million) is designed to increase the resiliency of wastewater treatment facilities and encourage low impact design of green municipal infrastructure to reduce nonpoint source pollution. DEEP has committed (\$1 Million) from the Grants-in-Aid program to fund a pilot green infrastructure street technology in our pilot communities to promote new resilient guidelines for road designs that can be replicated locally across the State.

Direct State Leverage for Pilot Projects. CTDOT is investing heavily in Union Station to increase mobility options and improve pedestrian connectivity (\$50 million parking garage and pedestrian connection). CTDOT, DECD and the City of New Haven are collectively coordinating Downtown Crossing (\$68 million) to reconnect the street system in downtown and re-establish connections to Union Station. Our pilot project to remove the chronic upland flooding condition that plagues the communities surrounding RT 34 will enable long sought economic development to re-establish itself and expand throughout the TOD district. CTDOT is investing significant funds to protect the New Haven rail yard (\$31 million) with improvements that will tie into the Long Wharf integrated layered protection berm and (\$1 million) in LetsGoCT! funds, in collaboration with DEEP, to pilot “green” streets. While not significant in amount, the newly funded study (\$100K) with UConn to study resilient solutions for I-95 will be a major element in the layered protection strategy for the Union Station neighborhood. DEEP is developing two micro grid projects in the South End of Bridgeport (approx. \$5 million) to provide redundant power supply to accessible public buildings to help communities recover when the lights go out. DECD is funding brownfield improvements (\$2.2 Million) and (\$165,000) local street improvements in the South End NRZ. OPM is funding, along with a HUD Challenge Grant, the Hill to Downtown study (\$1.2 Million) that forms the foundation for design of the Union Station TOD district.

Direct City Leverage: Both New Haven (\$12.5 Million) and Bridgeport (\$150 thousand) are providing direct leverage in the form of studies, small resilient interventions and matching dollars on larger programs. The City of Bridgeport has funded the development of new resilient guidelines and a new South End NRZ plan. The City of New Haven has funded outfall repairs along Long Wharf, studies for Long Wharf shoreline improvements and matching funds for Downtown Crossing, which will open up the Union Station neighborhood to the downtown.

WPCA Direct Leverage. The *Water Pollution Control Authority in New Haven* is committing (\$70 Million) over the next five years to construct a new sanitary pump and make improvements along Union Street to alleviate back-ups and ensure separation of the sanitary and sewer systems in the plagued flooding areas which currently are compromised during heavy rain events.

In all, State, Regional, local and private leverage totals more than \$270 Million in direct leverage being committed to support SAFR's mission.

Supporting Leverage

Agency Supporting Leverage: The State has myriad funds that support resilience. SAFR will work with agencies to coordinate and align these funds with resilience goals. The CT DOH has more than (\$65 million) in FY16 and FY17 in the state Housing Trust Fund (HTF) Program and the Affordable Housing (Flex) Fund, both of which can support the mission of SAFR to implement resilient TOD and resilient corridor improvements that lead to increased resiliency in our communities with high unmet need through the development of workforce and affordable housing. DEEP will continue to look to the green infrastructure set aside in the (\$100 Million) CT Clean Water Fund. DECD will look to provide funds from the (\$15 Million) TOD Pre-Development Fund and the (\$40 Million) Brownfield Development and Remediation Fund. CTDOT will bolster resilient street improvements through the (\$7 Million) LoTCIP fund and OPM will look to support resilience through the (\$13 Million) TOD Planning Grant Program and the (\$10 Million) Responsible Growth Incentive Fund.

Private Partner Supporting Leverage: Both pilots hope to generate economic opportunity. In Bridgeport, the Green Bank is leveraging (\$427,000) for a loan amount for the district energy feasibility study for the eventual construction of a direct heating loop that further identifies the South End as a candidate location where energy may become a significant component of future growth. The *developers of 60 Main Street* are committing \$10 Million to site improvements to integrate their

development into the protection measures for the South End of Bridgeport, contingent upon their ability to move forward into construction. United Illuminating has committed funds (\$1.3 million) to upgrade power facilities in both communities and Eversource is committing funds (\$415 million) for several resiliency projects in Fairfield and New Haven Counties that will support resilience efforts in our target region.

Philanthropic Leverage. With Partners the Connecticut Council for Philanthropy and the Tremaine Foundation, the Applicant will continue reaching out to the philanthropic community including the Fairfield County Community Foundation and the Community Foundation for Greater New Haven. Total supportive leverage for this program and pilot projects totals in excess of \$800 million.