

Grantee: Springfield, MA

Grant: B-13-MS-25-0002

July 1, 2019 thru September 30, 2019 Performance

| | | |
|--|---|--|
| Grant Number: B-13-MS-25-0002 | Obligation Date: | Award Date: |
| Grantee Name: Springfield, MA | Contract End Date: | Review by HUD: Reviewed and Approved |
| Grant Award Amount: \$17,056,880.00 | Grant Status: Active | QPR Contact: No QPR Contact Found |
| LOCCS Authorized Amount: \$17,056,880.00 | Estimated PI/RL Funds: \$200,000.00 | |
| Total Budget: \$17,256,880.00 | | |

Disasters:

Declaration Number

No Disasters Found

Narratives

Executive Summary:

Springfield, Massachusetts, located at the crossroads of New England at the confluence of four rivers, is creating an Urban Watershed Resilience Zone made up of its most economically distressed neighborhoods. With National Disaster Resilience funding and leveraged resources, the City will carry out a portfolio of projects throughout this 6.8 square mile Zone that will: provide flood protection; introduce two clean redundant energy sources; create and enhance business, employment, and job training opportunities; provide safe and healthy housing; and continue to engage residents regarding climate change and environmental stewardship. The Zone's projects have significant co-benefits, including recreation opportunities, local and regional health benefits, decreased heat island effect, disaster preparedness, and climate change mitigation. The City's comprehensive approach in a focused target area will support neighborhood revitalization. Springfield is piloting these projects in the region's lowest-income neighborhoods, with the long-term plan of expanding key interventions city-wide and providing a model for other towns in the Pioneer Valley. In addition, the Urban Watershed Resilience Zone is intended to serve as a model for Springfield's peer cities - waterfront urban communities in the northeast and mid-Atlantic - to respond to flood and energy interruption risks expected as a result of climate change, as well as to the challenges of urban poverty. The City was awarded \$17,056,880 in National Disaster Resilience funds to support this resilience initiative, which will leverage \$63,087,905 in other investments. The five projects funded by NDR are Clean Redundant Energy Sources, Healty Homes Rehab Program, Business and Job Opportunities, Administration and Planning including Community Engagement. The projects draw on strategies identified in region's 2012-2014 HUD-funded Sustainable Communities Regional Planning initiative, and will significantly enhance the long-term commitment that Springfield has already made to climate change adaptation and mitigation through long-term planning, and legislative and policy change. The impacts of climate change and recognition of the need to find ways to live with water and the changing environment became strikingly apparent for Springfield during the period 2011 through 2013, when the city experienced five presidentially-declared disasters, the most of any municipality in the country during that time period. The most severe was an EF3 tornado—very unusual in New England—which tore a ½ mile wide, 6.2-mile long swath of destruction through the heart of the City's downtown and residential neighborhoods. Tornado damage to structures, including leaking roofs, was exacerbated by wind and rains of Tropical Storm Irene in August 2011. Another freak storm, the October 2011 record early snowstorm, decimated the City's tree canopy which was vulnerable because trees were still fully-leafed out. Springfield's other disasters were a 2011 blizzard and 2013 Superstorm Nemo.

Springfield is located in western Massachusetts and is the fourth largest city in New England, with a population of roughly 150,000, in a metropolitan area of almost 700,000. While the City is unique in experiencing so many disasters in such a otherwise a prototypical northeast post-indu

Executive Summary:

Springfield is a manufacturing city. Following loss of manufacturing jobs, white flight, foreclosures and housing abandonment, the City's economic distress has become geographically concentrated in the neighborhoods designated as the Urban Watershed Resilience Zone. These neighborhoods, about the downtown area, are closest to the Connecticut River, have a 41% poverty rate, and are made up predominantly of people of color. The target neighborhoods are home to 10% of the region's total population but include 3

MID-URN Areas:

Springfield is located in Hampden County, Massachusetts, which is designated as a most impacted and distressed area in the NDR competition. Within Hampden County, Springfield is targeting a defined geographic portion of the City that it has designated as the Urban Watershed Resilience Zone, made up of all or portions of Springfield's disaster-impacted and most economically distressed eight neighborhoods: Brightwood, Memorial Square, lower Liberty Heights, Metro Center, South End, Six Corners, Old Hill, and a portion of Forest Park. The following census tracts/blocks comprise the Urban Water Resilience Zone: 8004.001, 8004.002, 8005.001, 8005.002, 8006, 8007, 8008, 8009, 8011.01, 8011.02, 8012, 8017, 8018, 8019.01, 8019.02, 8020, 8021.001, 8021.002, 8021.004, 8022, and 8023.



Key Agencies, Partners, Positions, Personnel:

Springfield will partner with Baystate Health, DevelopSpringfield, the Pioneer Valley Planning Commission, the Hampden County Regional Employment Board, Tech Foundry, ReGreen Springfield, and Partners for a Healthier Community. The Springfield Water and Sewer Commission is providing critical supporting commitments.

Baystate Health will develop, own and operate the cogeneration facility at Baystate Medical Center. Baystate Health is made up of six hospitals, 80 medical groups and its own health insurance plan, Health New England. The system is overseen by a 23-member Board of Trustees and President and CEO Dr. Mark A. Keroack. Baystate Health completed a \$296 million new "Hospital of the Future" facility in 2012, developed the TechSpring Innovation Center in 2014, and purchased Noble Hospital, in Westfield, Massachusetts, in 2015. Development of the cogeneration facility is being led by Sean M. Gouvin, Director Facilities Planning & Engineering. Mr. Gouvin oversees planning, design, maintenance, and construction for approximately 4 million square feet of facility space, including BayState Health's six hospitals.

DevelopSpringfield is developing the Springfield Innovation Center. DevelopSpringfield is a nonprofit, 501(c)(3) corporation with the mission to advance development and redevelopment projects, to stimulate and support economic growth, and to expedite the revitalization process within the City of Springfield. The organization is led by a board of directors which includes representatives from the City, state, and local business community, and its Executive Director is Jay Minkarah, who has over 25 years' experience in planning and economic development, including serving as Economic Development Director for the City of Nashua, NH and Community Development Director for the Town of Merrimack NH.

The Pioneer Valley Planning Commission (PVPC) will support the NDR Program by providing ongoing assistance with community engagement, undertaking community-involved climate change planning and providing ongoing data collection and analysis. PVPC is also consulting with the City on its Complete Streets program and providing technical assistance regarding bio retention tree boxes. PVPC, a quasi-governmental regional planning agency, is the primary agency responsible for increasing communication, cooperation, and coordination among all levels of government as well as the private business and civic sectors for the benefit of the Pioneer Valley region and its residents' quality of life.

The Regional Employment Board of Hampden County (REB) will provide job training. Established by Federal and State legislation, the REB is a business-led, non-profit corporation that engages its members from business, education, labor and community-based agencies to set public policies that will build a better workforce. The REB has an annual budget of \$12.3 million in state and federal funding. It is governed by a 44-member Board of Directors, and its Executive Director is David Cruise, who has been with the organization for 9 years.

Tech Foundry will operate the Information Technology job training program. Tech Foundry is a nonprofit

Key Agencies, Partners, Positions, Personnel:

t organization that teaches technical and workplace skills that tech companies want in an entry-level employee. The organization seeks to transform the economic landscape of the Pioneer Valley by creating a highly trained IT workforce that draws national companies to the region. It graduated its first class of 23 yearlong students in June 2015.

The nonprofit organization ReGreen Springfield will operate tree planting, tree care, education, and volunteer opportunities to City residents. The mission of ReGreen Springfield is to promote the reforestation of Springfield, improve growing conditions for trees, and engage new allies in tree care and monitoring, education, and citizen science. ReGreen Springfield's experience includes partnership with the City to operate a \$0.5 million program to help restore Springfield's urban forest canopy by strategically planting 1,140 trees on over 450 private properties in locations that will lead to reduced energy use. This project was awarded the Massachusetts Municipal Association's 2014 Kenneth E. Pickard Municipal Innovation Award.

Partners for a Healthier Community (PHC) is leading Springfield's Healthy Homes Initiative. PHC is a nonprofit organization committed to improving the public's health by fostering innovation, leveraging resources, and building partnerships across sectors, including government agencies, communities, the health care delivery system, media, and academia. The agency is led by a 21-member Board of Directors and its Executive Director, Jessica Collins, who holds a master's degree and over 15 years' experience in the public health field. The work of the organization is carried out by eight staff and contracted consultants.

The Springfield Water and Sewer Commission (SWSC) is coordinating with the City to enhance flood control systems. SWSC's is governed by a three-member Board of the Commissioners, appointed by the Mayor of Springfield and approved by the City Council, and responsible for establishing policies and procedures for efficient water and sewer operations. Operations are carried out by 240 employees under the Executive Director, Katherine Pederson. Construction projects are managed by Chief Engineer Robert Stoops who has over 25 years design and construction experience, and has overseen capital projects at the SWSC for 13 years.

| Overall | This Report Period | To Date |
|--|---------------------------|-----------------|
| Total Projected Budget from All Sources | N/A | \$80,144,784.00 |
| Total Budget | \$0.00 | \$17,056,879.00 |
| Total Obligated | \$4,394.37 | \$17,056,879.00 |
| Total Funds Drawdown | \$308,765.16 | \$7,803,566.12 |
| Program Funds Drawdown | \$308,765.16 | \$7,803,566.12 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$7,494,800.96 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |



Progress Toward Required Numeric Targets

| Requirement | Target | Actual |
|--|----------------|--------------|
| Overall Benefit Percentage (Projected) | | 64.71% |
| Overall Benefit Percentage (Actual) | | 26.72% |
| Minimum Non-Federal Match | \$0.00 | \$0.00 |
| Limit on Public Services | \$2,558,532.00 | \$0.00 |
| Limit on Admin/Planning | \$3,411,376.00 | \$833,279.28 |
| Limit on Admin | \$0.00 | \$274,015.91 |
| Most Impacted and Distressed Threshold (Projected) | \$0.00 | \$0.00 |

Overall Progress Narrative:

7/1/2019 - 9/30/2019

Activity #1: Cogeneration Facility. This activity has been completed and the City is working with Baystate on final documentation prior to close out.

Activity #2: Hydropower. HUD has approved the amendment to convert the hydro power portion of the project to solar power. Environmental review for the project was completed within this quarter and the City is working with GZA on the design portion of the project.

Activity #3: Healthy Homes. 3 Healthy Homes rehab projects were completed within this quarter. One additional new Healthy Homes project loan closed. The City anticipates another 2 rehab projects being completed and 4 loans will close within the next quarter. The City is processing a contract amendment with Partners for a Healthier Community to extend their contract, revise their budget, and approve a name change to the organization. The City anticipates the amendment will be completed in the next quarter.

Activity #4: Springfield Innovation Center. Exterior masonry work has continued and will be completed by mid-November. As of the end of September, DevelopSpringfield has a fully executed lease with a bank at one property and an executed letter of intent with a community incubator/workshop space at another. With the assistance of the Springfield Business Improvement District, the marketing and lease outreach has resulted in increased interest in the Innovation Center. 6 businesses were successfully assisted by the Business Accelerator Program within the last quarter.

Activity #5: Safe Homes Training. Masshire Hamden County Workforce Board, Inc. had 25 students apply for the training with 14 students enrolling in this quarter, the City anticipates that training session concluding within the next quarter. Five students from the previous training session obtained employment within this quarter. The City has completed the contract amendment with Masshire which includes budget adjustments and an increase of funding.

Activity #6: IT Workforce Program. The final training session of 2018 has had its last invoice paid out. The City is now processing a budget and contract amendment with Tech Foundry extending the expiration date and increasing funds to support another training session for the fall of 2019.

Activity #7: Administration. Expenditures for the administration of the CDBG-NDR Grant both programmatic and fiscal.

Activity #8: Planning. Expenditures for the planning of the CDBG-NDR Grant.

Activity #9 Climate Change Action Plan: The plan is complete and the City continues to work towards implementation of the plan. To date, there has been a total of 518 volunteer hours spent addressing environmental issues present in the city. Of that, 240 hours were from Green Committee, 78 hours were from helping with CARP, and 200 hours were from the Springfield Climate Justice Coalition.

A total of 441 individuals were engaged and educated regarding climate change through intensive education and engagement, plus Springfield citizens who read about the work in the local newspapers or local TV coverage. There were 203 survey respondents, 164 attended workshops/meetings/educational events, 34 stakeholder interviews, and 40 final workshop attendees.

Activity #10: Citizen Science Initiative. The City has processed all invoices for Citizen Science Initiative. 18 low/mod students obtained certificates of completion.

Activity #11: Citizen Tree Stewart Program. The City has processed all invoices for Citizen Tree Stewart Program. 33 low/mod students obtained certificates of completion.

Activity #12: Phase 2 – Climate Action Plan. This is linked to Activity# 9 and has been completed.

Activity #13: % Reduction of Municipal Energy Use. The City committed to reducing Energy use by an additional 5%. To date the City has reduced energy by 3%.

Activity #14: Complete Hazard Mitigation Plan. The Hazard Mitigation Plan was reviewed and accepted by FEMA on October 28, 2016. This activity is closed.

Activity #15: Supporting Leverage – Springfield Water and Sewer total leveraged funding commitment was \$54,350,000.00. To date they have spent \$35,000,000.00 with construction ongoing. The original anticipated cost for the work was \$54,350,000. The new estimated for total cost for all projects is \$100,000,000.00

Activity #16: Environmental Values – # of Climate Action Plans Completed and % reduction in kWh used. The Climate Action Plan is complete and the City continues to work towards implementation of the plan. This activity is linked to Activity 9. The City committed to reducing Energy use by an additional 5%. To date the City has reduced energy by 3%.

This reduction is also linked to Activities 1 and 2.

Activity #17: Economic Values – % reduction in utility costs and % increase in business revenue.

The Economic Value for reduction in utility costs is linked to Activity 1 and Activity 2. The Cogeneration Facility work is complete. DOER and the City have approved final payments to Baystate. The City is awaiting final project close out from Baystate.

% increase in business revenues for business utilizing the innovation center – The business revenue is linked to Activity 4. During this quarter the exterior masonry work has begun and is expected to be completed mid-summer. With the assistance of the Springfield Business Improvement District, the marketing and lease-up outreach has resulted in increased interest in the Innovation Center.

Activity #18: Social Values – # of healthy homes interventions and # of people enrolled in training programs. This value is linked to Activities 4, 5, and 6.

Activity #19: Resilience Values - # of Mitigation Plans Completed, # of residential building permits, and % reduction in kWh used. The Hazard Mitigation Plan was reviewed and accepted by FEMA on October 28, 2016. Residential building permits if linked to Activity 3. Construction is ongoing. The City committed to reducing Energy use by an additional 5%. To date the City has reduced energy by 3%. This reduction is also linked to Activities 1 and 2.

Project Summary

| Project #, Project Title | This Report | To Date | |
|---|------------------------|------------------------|------------------------|
| | Program Funds Drawdown | Project Funds Budgeted | Program Funds Drawdown |
| LTC-5, LTC-Long Term Commitments | \$0.00 | \$0.00 | \$0.00 |
| NDR-1, NDR-Clean Redundant Energy Sources | \$9,367.50 | \$10,067,500.00 | \$5,436,135.42 |
| NDR-2, NDR-Healthy Homes Rehabilitation Program | \$206,594.58 | \$4,675,001.00 | \$1,038,834.46 |
| NDR-3, NDR-Business and Job Opportunities | \$42,676.87 | \$891,716.00 | \$495,316.96 |
| NDR-4, NDR-Administration and Planning | \$50,126.21 | \$1,422,663.00 | \$833,279.28 |
| OV-7, OV-Outcome Values | \$0.00 | \$0.00 | \$0.00 |
| SL-6, SL-Supporting Leverage | \$0.00 | \$0.00 | \$0.00 |



Activities

Project # / LTC-5 / LTC-Long Term Commitments

Grantee Activity Number: 12-LTC
Activity Title: Phase 2-Climate Action Plan

Activity Category:
 NDR - Long Term Commitment

Project Number:
 LTC-5

Projected Start Date:
 10/30/2016

Benefit Type:
 ()

National Objective:
 NA

Activity Status:
 Under Way

Project Title:
 LTC-Long Term Commitments

Projected End Date:
 06/30/2017

Completed Activity Actual End Date:

Responsible Organization:
 City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|---------|
| Total Projected Budget from All Sources | N/A | \$0.00 |
| Total Budget | \$0.00 | \$0.00 |
| Total Obligated | \$0.00 | \$0.00 |
| Total Funds Drawdown | \$0.00 | \$0.00 |
| Program Funds Drawdown | \$0.00 | \$0.00 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$0.00 |
| City of Springfield2 | \$0.00 | \$0.00 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Complete Phase 2 of the Climate Action Plan – June 30, 2017
 Climate Change Action Plan. Springfield has completed phase 1 of a climate change plan and will partner with the Pioneer Valley Planning Commission (PVPC) to complete phase 2. This will include all public outreach, stakeholder consultation, conducting and compiling all associated research and data collection, drafting the plan, incorporating all feedback and providing final version of the plan.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #12: Phase 2 – Climate Action Plan. This is linked to Activity# 9 and has been completed.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources



| | |
|---------------------------------|--|
| Grantee Activity Number: | 13-LTC |
| Activity Title: | % Reduction of Municipal Energy Use |

Activity Category:
NDR - Long Term Commitment

Project Number:
LTC-5

Projected Start Date:
10/30/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
LTC-Long Term Commitments

Projected End Date:
01/31/2017

Completed Activity Actual End Date:

Responsible Organization:
City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|---------|
| Total Projected Budget from All Sources | N/A | \$0.00 |
| Total Budget | \$0.00 | \$0.00 |
| Total Obligated | \$0.00 | \$0.00 |
| Total Funds Drawdown | \$0.00 | \$0.00 |
| Program Funds Drawdown | \$0.00 | \$0.00 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$0.00 |
| City of Springfield2 | \$0.00 | \$0.00 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

% reduction of Municipal energy use – 5%
Reduction in Municipal Energy Use. The City has been focused on reduction of municipal energy use since 2007, and it reduced energy use 23% from the first year through FY14. In FY14, the City used 2,016,289 BTUs of natural gas and 46,455,434 electric kWh. The City installed new boilers, LED lighting, and Energy Management Systems (EMS) in all municipal buildings. The City has committed to take actions to reduce energy amounts an additional 5% within the next year. Springfield's commitment and performance on this metric have enabled it to be a designated Massachusetts Green Community, which provides the opportunity to apply for state grants for energy projects.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #13: % Reduction of Municipal Energy Use. The City committed to reducing Energy use by an additional 5%. To date the City has reduced energy by 3%.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

| | |
|---------------------------------|--|
| Grantee Activity Number: | 14-LTC |
| Activity Title: | Complete Hazard Mitigation Plan |

Activity Category:

NDR - Long Term Commitment

Project Number:

LTC-5

Projected Start Date:

10/30/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

LTC-Long Term Commitments

Projected End Date:

01/31/2017

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|---------|
| Total Projected Budget from All Sources | N/A | \$0.00 |
| Total Budget | \$0.00 | \$0.00 |
| Total Obligated | \$0.00 | \$0.00 |
| Total Funds Drawdown | \$0.00 | \$0.00 |
| Program Funds Drawdown | \$0.00 | \$0.00 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$0.00 |
| City of Springfield2 | \$0.00 | \$0.00 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Complete Hazard Mitigation Plan and receive approval from both MEMA and FEMA-1 complete plan Hazard Mitigation Plan. Since the 2011-2013 disasters, Springfield has created a comprehensive Hazard Mitigation Plan, which incorporates projections and risk from climate change science to guide the City's disaster planning. For example, the Plan specifically addresses increased risk from rain events of increased capacity and duration. The Hazard Mitigation Plan was approved by the Massachusetts Emergency Management Agency (MEMA) in October 2015, and has been forwarded to the Federal Emergency Management Agency (FEMA) for its approval.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #14: Complete Hazard Mitigation Plan. The Hazard Mitigation Plan was reviewed and accepted by FEMA on October 28, 2016. This activity is closed.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / NDR-1 / NDR-Clean Redundant Energy Sources

Grantee Activity Number: 01-NDR

Activity Title: Cogeneration Facility

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

NDR-1

Projected Start Date:

11/30/2016

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

NDR-Clean Redundant Energy Sources

Projected End Date:

12/31/2018

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

Overall

Total Projected Budget from All Sources

Jul 1 thru Sep 30, 2019

N/A

To Date

\$5,087,707.52

Total Budget

(\$12,292.48)

\$5,087,707.52

Total Obligated

(\$12,292.48)

\$5,087,707.52

Total Funds Drawdown

\$0.00

\$5,087,707.52

Program Funds Drawdown

\$0.00

\$5,087,707.52

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$5,087,707.52

| | | |
|--|--------|----------------|
| City of Springfield2 | \$0.00 | \$5,087,707.52 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Cogeneration Baystate Health is developing a combined heat and power plant that will provide electricity, chilled water and steam to Baystate Medical Center. The cogeneration plant will produce 80% of Baystate Health's annual energy consumption, and will provide an annual reduction of greenhouse gases by 13,513 tons. While Baystate Health's existing utility system was designed to keep the facility operational for 96 hours after a disaster, the new system will extend resiliency during a utility crisis to more than 30 days. Design and engineering for this \$23 million project is complete.

Location Description:

759 Chestnut Street Springfield, MA
 Census Tract: 8005
 Block Group: 3

Activity Progress Narrative:

Activity #1: Cogeneration Facility. This activity has been completed and the City is working with Baystate on final documentation prior to close out.

Accomplishments Performance Measures

| | This Report Period | Cumulative Actual Total / Expected |
|------------------------|--------------------|------------------------------------|
| | Total | Total |
| # of Properties | 0 | 1/1 |
| # of public facilities | 0 | 1/1 |

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

| Match Sources | Amount |
|------------------------|-----------------|
| BayState Health Center | \$18,599,743.00 |
| Subtotal Match Sources | |

| Other Funding Sources | Amount |
|--------------------------------|--------|
| No Other Funding Sources Found | |
| Total Other Funding Sources | |



| | |
|---------------------------------|-------------------------|
| Grantee Activity Number: | 02-NDR |
| Activity Title: | Solar/Hydropower |

Activity Category:

Acquisition, construction, reconstruction of public facilities

Project Number:

NDR-1

Projected Start Date:

10/30/2016

Benefit Type:

Area ()

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

NDR-Clean Redundant Energy Sources

Projected End Date:

09/01/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|----------------|
| Total Projected Budget from All Sources | N/A | \$4,979,792.48 |
| Total Budget | \$12,292.48 | \$4,979,792.48 |
| Total Obligated | \$12,292.48 | \$4,979,792.48 |
| Total Funds Drawdown | \$9,367.50 | \$348,427.90 |
| Program Funds Drawdown | \$9,367.50 | \$348,427.90 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$339,060.40 |
| City of Springfield2 | \$0.00 | \$339,060.40 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Hydropower. Hydropower will be restored downstream of the Watershops Pond dam, onland owned by the City of Springfield . The City has already conducted a feasibility analysis for this project and has filed a permit application with the Federal Energy Regulatory Commission (FERC). The restored hydropower will have the potential to generate 707,000 kWh during an average year and will be capable of functioning independent of the grid. A portion of this electricity will fully power the newly-built Brookings School, located about 800 feet to the north of the project site, which was developed to have the capacity to be used as an emergency center/shelter in the event of disaster. The remainder of the energy has the ability to be made available in the neighborhood.

Approved Modification of Activity - Approved August 19, 2019

Replace Hydropower with Solar

In response to the unforeseen challenges with the original proposal, the City proposes that the clean and redundant energy portion of the project be changed from hydropower to solar. This modification would still include restoration/hardening for the dam at Watershops Pond, but would substitute construction of a photovoltaic (PV) and energy storage system at the Brookings Elementary School for the original hydropower portion of the project.

The energy component of the modified project would incorporate installation of PV systems and energy storage at Brookings School. PV panels would be mounted on the school roof and atop a carport on the site of the school, with an on-site battery storage system. The system would be owned and operated by the City and would provide ongoing energy to Brookings School. With the on-site battery storage, the system would enable the school to have energy even if utility lines are down.

The City would procure a contractor for the purchase and installation of the PV and energy storage system.

The modification of the project from hydropower to solar preserves the benefits of the original project, which were: creation of clean and redundant energy; power to the Brookings School, even when the grid or utility



lines are down; and repair of the Watershops Pond dam to protect the low-income neighborhood located below the dam.

Location Description:

1 Allen Street
 Census Tract: 8023
 Block Group: 1

Activity Progress Narrative:

Activity #2: Hydropower. HUD has approved the amendment to convert the hydro power portion of the project to solar power. Environmental review for the project was completed within this quarter and the City is working with GZA on the design portion of the project.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

| Match Sources | Amount |
|--------------------------------|----------------|
| City of Springfield | \$1,000,000.00 |
| Subtotal Match Sources | |
| | |
| Other Funding Sources | Amount |
| No Other Funding Sources Found | |
| Total Other Funding Sources | |

Project # / NDR-2 / NDR-Healthy Homes Rehabilitation Program

| | |
|---------------------------------|-------------------------------|
| Grantee Activity Number: | 03-NDR |
| Activity Title: | Housing Rehabilitation |

Activity Category:
 Rehabilitation/reconstruction of residential structures

Project Number:
 NDR-2

Projected Start Date:
 01/01/2017

Benefit Type:
 Direct (HouseHold)

National Objective:
 Low/Mod

Activity Status:
 Under Way

Project Title:
 NDR-Healthy Homes Rehabilitation Program

Projected End Date:
 09/01/2022

Completed Activity Actual End Date:

Responsible Organization:
 City of Springfield2

Overall **Jul 1 thru Sep 30, 2019** **To Date**

| | | |
|--|--------------|----------------|
| Total Projected Budget from All Sources | N/A | \$4,675,000.00 |
| Total Budget | \$0.00 | \$4,675,000.00 |
| Total Obligated | \$0.00 | \$4,675,000.00 |
| Total Funds Drawdown | \$206,594.58 | \$1,038,834.46 |
| Program Funds Drawdown | \$206,594.58 | \$1,038,834.46 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$832,239.88 |
| City of Springfield2 | \$0.00 | \$832,239.88 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Springfield will operate a Healthy Homes Rehabilitation program, which will be available for owners of 1-4 unit structures to complete rehabilitation, lead abatement, and healthy homes interventions. The City's goal is to improve the quality of owner-occupied and rental housing stock in targeted and concentrated areas of the City that are vulnerable to abandonment, so that, in a future disaster, owners would be more likely to repair rather than abandon. The project's inclusion of a healthy homes component responds to the significant health disparities faced by the low-income population that lives in the Urban Watershed Resilience Zone. In particular, the Zone's high asthma rates support an effort to address indoor air quality issues.

Location Description:

Urban Watershed Resilience Zone

Activity Progress Narrative:

Activity #3: Healthy Homes. 3 Healthy Homes rehab projects were completed within this quarter. One additional new Healthy Homes project loan closed. The City anticipates another 2 rehab projects being completed and 4 loans will close within the next quarter. The City is processing a contract amendment with Partners for a Healthier Community to extend their contract, revise their budget, and approve a name change to the organization. The City anticipates the amendment will be completed in the next quarter.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

| Match Sources | Amount |
|------------------------|--------------|
| City of Springfield | \$500,000.00 |
| Subtotal Match Sources | \$0.00 |



Other Funding Sources**Amount**

Partners for a Healthier Community

\$367,065.00

Total Other Funding Sources

\$0.00

Project # / NDR-3 / NDR-Business and Job Opportunities**Grantee Activity Number:** 04-NDR**Activity Title:** Springfield Innovation Center**Activity Category:**

Econ. development or recovery activity that creates/retains

Activity Status:

Under Way

Project Number:

NDR-3

Project Title:

NDR-Business and Job Opportunities

Projected Start Date:

01/10/2017

Projected End Date:

09/01/2018

Benefit Type:

Direct (Person)

Completed Activity Actual End Date:**National Objective:**

Urgent Need

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|--------------------------------|----------------|
| Total Projected Budget from All Sources | N/A | \$300,000.00 |
| Total Budget | \$0.00 | \$300,000.00 |
| Total Obligated | \$0.00 | \$300,000.00 |
| Total Funds Drawdown | \$9,420.63 | \$47,103.15 |
| Program Funds Drawdown | \$9,420.63 | \$47,103.15 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$37,682.52 |
| City of Springfield2 | \$0.00 | \$37,682.52 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Springfield Innovation Center. The City's partner DevelopSpringfield will rehabilitate two adjacent buildings in downtown Springfield to create a 16,500 sq. ft. entrepreneurial center. The Innovation Center is a catalytic project designed to jumpstart reinvestment, job creation and redevelopment activity, while building a community of entrepreneurs. The Center is a collaborative enterprise of developSpringfield, the nonprofit Valley Venture Mentors (VVM), the state of Massachusetts, and MassDevelopment. VVM will manage the business accelerator, which will support emerging entrepreneurs through mentorship, education and enhanced collaboration. Approximately 9,300 square feet of the Innovation Center make up the business accelerator's presentation, conference and co-working space. The Innovation Center will offer rent-free office space and an "innovation cafe" in the adjacent retail space. In addition to providing food and beverage service, the café will provide a test kitchen and prep area to support the emerging food truck industry and other food service



entrepreneurs. Over a three-year period, the SIC will support the creation of 50 new businesses. To measure the success of the initiative, the City and its partners will track and evaluate the number of jobs created or retained by the businesses benefitting from the SIC's support.

Modification of Scope: Develop Springfield initially sought to incorporate an Innovation Cafe as part of the Innovation Center development. However, after working with the interested operator for many months, the parties have been unable to execute a lease agreement for the cafe.

Develop Springfield will be leasing the space to Berkshire Bank. Berkshire Bank will be partnering with Valley Venture Mentors to establish the space for emerging retail businesses as pop-up shops. It is anticipated that approximately 4-5 pop-ups will operate out of the space simultaneously and the pop-up business will be refreshed on a regular basis. VVM will provide the pipeline of retail entrepreneurs. During the time the business occupies the space they will not be paying rent. The demographic focus of the business mentoring is minority entrepreneurs. Additionally, Berkshire Bank will utilize a portion of the space to provide on-site "my bankers" from existing staff that will provide financial technical support and financial literacy to VVM associated businesses.

Location Description:

Springfield Innovation Center

Activity Progress Narrative:

Activity #4: Springfield Innovation Center. Exterior masonry work has continued and will be completed by mid-November. As of the end of September, Develop Springfield has a fully executed lease with a bank at one property and an executed letter of intent with a community incubator/workshop space at another. With the assistance of the Springfield Business Improvement District, the marketing and lease outreach has resulted in increased interest in the Innovation Center. 6 businesses were successfully assisted by the Business Accelerator Program within the last quarter.

Accomplishments Performance Measures

| | This Report Period | Cumulative Actual Total / Expected |
|-----------------|--------------------|------------------------------------|
| | Total | Total |
| # of Businesses | 0 | 15/50 |

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

| Match Sources | Amount |
|--------------------------------|----------------|
| Develop Springfield | \$3,874,414.00 |
| Subtotal Match Sources | |
| Other Funding Sources | Amount |
| No Other Funding Sources Found | |
| Total Other Funding Sources | |



| | |
|---------------------------------|----------------------------|
| Grantee Activity Number: | 05-NDR |
| Activity Title: | Safe Homes Training |

Activity Category:

Public services

Project Number:

NDR-3

Projected Start Date:

10/30/2016

Benefit Type:

Direct (Person)

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

NDR-Business and Job Opportunities

Projected End Date:

09/01/2018

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|--------------------------------|----------------|
| Total Projected Budget from All Sources | N/A | \$191,716.00 |
| Total Budget | \$0.00 | \$191,716.00 |
| Total Obligated | \$0.00 | \$191,716.00 |
| Total Funds Drawdown | \$33,256.24 | \$148,702.08 |
| Program Funds Drawdown | \$33,256.24 | \$148,702.08 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$115,445.84 |
| City of Springfield2 | \$0.00 | \$115,445.84 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

The Regional Employment Board of Hampden County (REB) will provide job training in the areas of home rehabilitation, lead hazard reduction, and healthy homes. The REB will operate three sessions of the Safe Homes Training Program, which will provide training to 42 low income individuals, with 34 of the individuals becoming employed.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #5: Safe Homes Training. Masshire Hamden County Workforce Board, Inc. had 25 students apply for the training with 14 students enrolling in this quarter, the City anticipates that training session concluding within the next quarter. Five students from the previous training session obtained employment within this quarter. The City has completed the contract amendment with Masshire which includes budget adjustments and an increase of funding.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

| | This Report Period | | | Cumulative Actual Total / Expected | | | |
|--------------|--------------------|-----|-------|------------------------------------|------|-------|---------|
| | Low | Mod | Total | Low | Mod | Total | Low/Mod |
| # of Persons | 0 | 0 | 0 | 24/25 | 0/17 | 24/42 | 100.00 |

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

| Other Funding Sources | Amount |
|--------------------------------|--------|
| No Other Funding Sources Found | |
| Total Other Funding Sources | |

| | |
|---------------------------------|-----------------------------|
| Grantee Activity Number: | 06-NDR |
| Activity Title: | IT Workforce Program |

Activity Category:

Public services

Project Number:

NDR-3

Projected Start Date:

01/10/2017

Benefit Type:

Direct (Person)

National Objective:

Low/Mod

Activity Status:

Under Way

Project Title:

NDR-Business and Job Opportunities

Projected End Date:

09/01/2018

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|--------------|
| Total Projected Budget from All Sources | N/A | \$400,000.00 |
| Total Budget | \$100,000.00 | \$400,000.00 |
| Total Obligated | \$100,000.00 | \$400,000.00 |
| Total Funds Drawdown | \$0.00 | \$299,511.73 |
| Program Funds Drawdown | \$0.00 | \$299,511.73 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$299,511.73 |
| City of Springfield2 | \$0.00 | \$299,511.73 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Tech Foundry will provide information technology training to eligible, low-income residents. The training will consist of five sessions that include classroom work and on-the-job internships. In addition to practical IT skills and badges, the training will also include soft skills development, resume writing instruction and interview skills. To measure the success of the training programs, the City and its partners will track and evaluate the following: the number of low-income residents trained and jobs obtained by low-income residents as a result of the training.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #6: IT Workforce Program. The final training session of 2018 has had its last invoice paid out. The City is now processing a budget and contract amendment with Tech Foundry extending the expiration date and increasing funds to support another training session for the fall of 2019.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

| | This Report Period | | | Cumulative Actual Total / Expected | | | |
|--------------|--------------------|-----|-------|------------------------------------|------|-------|---------|
| | Low | Mod | Total | Low | Mod | Total | Low/Mod |
| # of Persons | 0 | 0 | 0 | 18/75 | 0/10 | 18/85 | 100.00 |

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

| Other Funding Sources | Amount |
|--------------------------------|--------|
| No Other Funding Sources Found | |
| Total Other Funding Sources | |

Project # / NDR-4 / NDR-Administration and Planning

| | |
|---------------------------------|-----------------------|
| Grantee Activity Number: | 07-NDR |
| Activity Title: | Administration |

Activity Category:

Administration

Project Number:

NDR-4

Projected Start Date:

10/30/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR-Administration and Planning

Projected End Date:

09/01/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

Overall

| | Jul 1 thru Sep 30, 2019 | To Date |
|---|-------------------------|--------------|
| Total Projected Budget from All Sources | N/A | \$852,844.00 |
| Total Budget | \$0.00 | \$852,844.00 |
| Total Obligated | \$0.00 | \$852,844.00 |
| Total Funds Drawdown | \$20,062.78 | \$274,015.91 |
| Program Funds Drawdown | \$20,062.78 | \$274,015.91 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |



| | | |
|--|--------|--------------|
| Total Funds Expended | \$0.00 | \$253,953.13 |
| City of Springfield2 | \$0.00 | \$253,953.13 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Administrative costs for general program oversight. Activity capped at 5% of total grant

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #7: Administration. Expenditures for the administration of the CDBG-NDR Grant both programmatic and fiscal.

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

| Other Funding Sources | Amount |
|--------------------------------|---------------|
| No Other Funding Sources Found | |
| Total Other Funding Sources | |



Grantee Activity Number: 08-NDR
Activity Title: Planning

Activity Category:

Planning

Project Number:

NDR-4

Projected Start Date:

11/01/2011

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR-Administration and Planning

Projected End Date:

09/01/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

Overall

Total Projected Budget from All Sources

Jul 1 thru Sep 30, 2019

N/A

To Date

\$93,153.88

Total Budget

(\$54,002.12)

\$93,153.88

Total Obligated

(\$54,002.12)

\$93,153.88

Total Funds Drawdown

\$560.40

\$82,598.25

Program Funds Drawdown

\$560.40

\$82,598.25

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$82,037.85

City of Springfield2

\$0.00

\$82,037.85

Most Impacted and Distressed Expended

\$0.00

\$0.00

Match Contributed

\$0.00

\$0.00

Activity Description:

Planning costs associated with the implementation of the NDR Grant. Total planning activities capped at 15% of total grant.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #8: Planning. Expenditures for the planning of the CDBG-NDR Grant.

Accomplishments Performance Measures

No Accomplishments Performance Measures



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

| | |
|---------------------------------|-----------------------------------|
| Grantee Activity Number: | 09-NDR |
| Activity Title: | Climate Change Action Plan |

Activity Category:

Planning

Project Number:

NDR-4

Projected Start Date:

10/30/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR-Administration and Planning

Projected End Date:

06/30/2017

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|--------------|
| Total Projected Budget from All Sources | N/A | \$218,268.63 |
| Total Budget | (\$4,394.37) | \$218,268.63 |
| Total Obligated | \$0.00 | \$218,268.63 |
| Total Funds Drawdown | \$0.00 | \$218,268.63 |
| Program Funds Drawdown | \$0.00 | \$218,268.63 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$218,268.63 |
| City of Springfield2 | \$0.00 | \$218,268.63 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Climate Change Action Plan. While Springfield has already completed phase 1 of a climatechange plan, the City will partner with the Pioneer Valley Planning Commission (PVPC) in 2016to complete phase 2. This will include all public outreach, stakeholder consultation, conductingand compiling all associated research and data collection, drafting the plan, incorporating allfeedback and providing final version of the plan. To measure the success of the initiatives outlined above, the City and its partners will track and evaluate the following metrics: (1) number of volunteer hours spent addressing environmental issues present in the City; and (2) number of individuals engaged and educated regarding climate change.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #9 Climate Change Action Plan: The plan is complete and the City continues to work towards implementation of the plan. To date, there has been a total of 518 volunteer hours spent addressing environmental issues present in the city. Of that, 240 hours were from Green Committee, 78 hours were from helping with CARP, and 200 hours were from the Springfield Climate Justice Coalition.

A total of 441 individuals were engaged and educated regarding climate change through intensive education and engagement, plus Springfield citizens who read about the work in the local newspapers or local TV



coverage. There were 203 survey respondents, 164 attended workshops/meetings/educational events, 34 stakeholder interviews, and 40 final workshop attendees.

Accomplishments Performance Measures

| | This Report Period | Cumulative Actual Total / Expected |
|---------------------------------|--------------------|------------------------------------|
| | Total | Total |
| # of Plans or Planning Products | 0 | 2/1 |

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

| Other Funding Sources | Amount |
|--------------------------------|--------|
| No Other Funding Sources Found | |
| Total Other Funding Sources | |



| | |
|---------------------------------|-----------------------------------|
| Grantee Activity Number: | 10-NDR |
| Activity Title: | Citizen Science Initiative |

Activity Category:

Planning

Project Number:

NDR-4

Projected Start Date:

10/30/2016

Benefit Type:

Area ()

National Objective:

Urgent Need

Activity Status:

Under Way

Project Title:

NDR-Administration and Planning

Projected End Date:

09/01/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|--------------|
| Total Projected Budget from All Sources | N/A | \$130,180.69 |
| Total Budget | (\$19,819.31) | \$130,180.69 |
| Total Obligated | (\$19,819.31) | \$130,180.69 |
| Total Funds Drawdown | \$8,314.94 | \$130,180.69 |
| Program Funds Drawdown | \$8,314.94 | \$130,180.69 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$121,865.75 |
| City of Springfield2 | \$0.00 | \$121,865.75 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

The City's partner ReGreen Springfield will engage the community in environmental work and educate the community about the impacts of climate change. They will engage volunteer assistance that enhances the capacity to care for trees and collect data regarding the natural world and changing environmental conditions.

Location Description:

LMI neighborhoods impacted by past weather disasters.

Activity Progress Narrative:

Activity #10: Citizen Science Initiative. The City has processed all invoices for Citizen Science Initiative. 18 low/mod students obtained certificates of completion.

Accomplishments Performance Measures

No Accomplishments Performance Measures



Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

| | |
|---------------------------------|-------------------------------------|
| Grantee Activity Number: | 11-NDR |
| Activity Title: | Citizen Tree Steward Program |

Activity Category:

Planning

Project Number:

NDR-4

Projected Start Date:

10/30/2016

Benefit Type:

Area ()

National Objective:

NA

Activity Status:

Under Way

Project Title:

NDR-Administration and Planning

Projected End Date:

09/01/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|--------------|
| Total Projected Budget from All Sources | N/A | \$128,215.80 |
| Total Budget | (\$21,784.20) | \$128,215.80 |
| Total Obligated | (\$21,784.20) | \$128,215.80 |
| Total Funds Drawdown | \$21,188.09 | \$128,215.80 |
| Program Funds Drawdown | \$21,188.09 | \$128,215.80 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$107,027.71 |
| City of Springfield2 | \$0.00 | \$107,027.71 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

The Citizen Tree Steward Program will use volunteer community residents to plant and steward trees throughout the Urban Watershed District. The Community-Based Citizen Science Initiative will engage neighborhood residents, youth, students and others in gathering scientific data related to weather, air and water quality, ecosystem services and sustainability in the Urban Watershed Resilience Zone. The project will use software and protocols developed by the U.S. Forest Service, and will enhance that agency's new urban research projects.

Location Description:

LMI neighborhoods impacted by past weather disasters.

Activity Progress Narrative:

Activity #11: Citizen Tree Steward Program. The City has processed all invoices for Citizen Tree Steward Program. 33 low/mod students obtained certificates of completion.



Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

Project # / OV-7 / OV-Outcome Values

Grantee Activity Number: 16-OV

Activity Title: Environmental Values

Activity Category:

NDR - Environmental Value

Project Number:

OV-7

Projected Start Date:

10/30/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

OV-Outcome Values

Projected End Date:

09/01/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

Overall

Total Projected Budget from All Sources

Jul 1 thru Sep 30, 2019

To Date

N/A

\$0.00

Total Budget

\$0.00

\$0.00

Total Obligated

\$0.00

\$0.00

Total Funds Drawdown

\$0.00

\$0.00

Program Funds Drawdown

\$0.00

\$0.00

Program Income Drawdown

\$0.00

\$0.00

Program Income Received

\$0.00

\$0.00

Total Funds Expended

\$0.00

\$0.00



| | | |
|--|--------|--------|
| City of Springfield2 | \$0.00 | \$0.00 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Environmental Values:

of Climate Action Plans Completed

The plan is linked to Project 4 - Activity 9. The City is partnering with the Pioneer Valley Planning Commission to complete phase 2 of the plan.

% reduction in kWh used

This reduction is linked to Project 1 - Activities 1 and Activity 2. Two new sources of clean and redundant power will be introduced in the form of cogeneration for the regional hospital and hydropower for a new elementary school built to serve a community center during a disaster. This will also include a reduction in Municipal energy used.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #16: Environmental Values – # of Climate Action Plans Completed and % reduction in kWh used. The Climate Action Plan is complete and the City continues to work towards implementation of the plan. This activity is linked to Activity 9. The City committed to reducing Energy use by an additional 5%. To date the City has reduced energy by 3%.

This reduction is also linked to Activities 1 and 2.

Accomplishments Performance Measures

| | This Report Period | Cumulative Actual Total / Expected |
|---------------------------|--------------------|------------------------------------|
| | Total | Total |
| # of climate action plans | 0 | 0/1 |
| % reduction in kWh used | 0 | 0/5 |

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

| Other Funding Sources | Amount |
|--------------------------------|--------|
| No Other Funding Sources Found | |
| Total Other Funding Sources | |



| | |
|---------------------------------|------------------------|
| Grantee Activity Number: | 17-OV |
| Activity Title: | Economic Values |

Activity Category:

NDR - Economic Value

Project Number:

OV-7

Projected Start Date:

10/30/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

OV-Outcome Values

Projected End Date:

09/01/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|---------|
| Total Projected Budget from All Sources | N/A | \$0.00 |
| Total Budget | \$0.00 | \$0.00 |
| Total Obligated | \$0.00 | \$0.00 |
| Total Funds Drawdown | \$0.00 | \$0.00 |
| Program Funds Drawdown | \$0.00 | \$0.00 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$0.00 |
| City of Springfield2 | \$0.00 | \$0.00 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Economic Values:

% reduction in utility costs

The Economic Value for reduction in utility costs is linked to Project 1, Activity 1 and Activity 2. Two new sources of clean and redundant power will be introduced in the form of cogeneration for the regional hospital and hydropower for a new elementary school built to serve a community center during a disaster.

% increase in business revenues for business utilizing the innovation center –

The Economic Value for the % in business revenue is linked to Project 3, Activity 6. The Springfield Innovation Center is a new business incubator. It is a catalytic project designed to jumpstart reinvestment, job creation and redevelopment activities while building a community of entrepreneurs.

Location Description:

City of Springfield

Activity Progress Narrative:



Activity #17: Economic Values – % reduction in utility costs and % increase in business revenue.

The Economic Value for reduction in utility costs is linked to Activity 1 and Activity 2. The Cogeneration Facility work is complete. DOER and the City have approved final payments to Baystate. The City is awaiting final project close out from Baystate.

% increase in business revenues for business utilizing the innovation center –The business revenue is linked to Activity 4. During this quarter the exterior masonry work has begun and is expected to be completed mid-summer. With the assistance of the Springfield Business Improvement District, the marketing and lease-up outreach has resulted in increased interest in the Innovation Center.

Accomplishments Performance Measures

| | This Report Period | Cumulative Actual Total / Expected |
|--------------------------------|--------------------|------------------------------------|
| | Total | Total |
| % reduction in utility costs | 0 | 0/5 |
| % increase in business revenue | 0 | 0/5 |

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

| Other Funding Sources | Amount |
|--------------------------------|--------|
| No Other Funding Sources Found | |
| Total Other Funding Sources | |



| | |
|---------------------------------|----------------------|
| Grantee Activity Number: | 18-OV |
| Activity Title: | Social Values |

Activity Category:

NDR - Social Value

Project Number:

OV-7

Projected Start Date:

10/30/2016

Benefit Type:

()

National Objective:

NA

Activity Status:

Under Way

Project Title:

OV-Outcome Values

Projected End Date:

09/01/2022

Completed Activity Actual End Date:

Responsible Organization:

City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|---------|
| Total Projected Budget from All Sources | N/A | \$0.00 |
| Total Budget | \$0.00 | \$0.00 |
| Total Obligated | \$0.00 | \$0.00 |
| Total Funds Drawdown | \$0.00 | \$0.00 |
| Program Funds Drawdown | \$0.00 | \$0.00 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$0.00 |
| City of Springfield2 | \$0.00 | \$0.00 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Social Values:

of healthy homes interventions

This value is linked to Project 2 - Activity 3.

The project's inclusion of a healthy homes component responds to the significant health disparities faced by the low-income population that lives in the Urban Watershed Resilience Zone.

of people enrolled in training programs

The value is linked to Project 3 - Activity 4, 5, and 6

The City is using two strategies, job training and a new business incubator to assist low-income adults and youth to gain employment.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #18: Social Values – # of healthy homes interventions and # of people enrolled in training programs. This value is linked to Activities 4, 5, and 6.



Accomplishments Performance Measures

| | This Report Period | Cumulative Actual Total / Expected |
|----------------------|--------------------|------------------------------------|
| | Total | Total |
| # of healthy homes | 0 | 0/80 |
| # of people enrolled | 0 | 0/127 |

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

| | |
|---------------------------------|-------------------------|
| Grantee Activity Number: | 19-OV |
| Activity Title: | Resilience Value |

Activity Category:
NDR - Resilience Value

Project Number:
OV-7

Projected Start Date:
10/30/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
OV-Outcome Values

Projected End Date:
09/01/2022

Completed Activity Actual End Date:

Responsible Organization:
City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|--|-------------------------|---------|
| Total Projected Budget from All Sources | N/A | \$0.00 |
| Total Budget | \$0.00 | \$0.00 |
| Total Obligated | \$0.00 | \$0.00 |
| Total Funds Drawdown | \$0.00 | \$0.00 |
| Program Funds Drawdown | \$0.00 | \$0.00 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$0.00 |
| City of Springfield2 | \$0.00 | \$0.00 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Resilience Value:
 # of Mitigation Plans Completed
 The plan is linked to Project 5 - Activity 3.
 Springfield has created a comprehensive Hazard Mitigation Plan, which incorporates projections and risk from climate change science to guide the City's disaster planning
 # of residential building permits
 This increase is linked to Project 2 - Activity #3. Springfield will operate a Healthy Homes Rehabilitation program, which will be available for owners of 1-4 unit structures to complete rehabilitation, lead abatement, and healthy homes interventions.
 % reduction in kWh used
 This reduction is linked to Project 1 - Activities 1 and Activity 2. Two new sources of clean and redundant power will be introduced in the form of cogeneration for the regional hospital and hydropower for a new elementary school built to serve a community center during a disaster. This will also include a reduction in Municipal energy used.

Location Description:

City of Springfield

Activity Progress Narrative:



Activity #19: Resilience Values - # of Mitigation Plans Completed, # of residential building permits, and % reduction in kWh used. The Hazard Mitigation Plan was reviewed and accepted by FEMA on October 28, 2016. Residential building permits if linked to Activity 3. Construction is ongoing. The City committed to reducing Energy use by an additional 5%. To date the City has reduced energy by 3%. This reduction is also linked to Activities 1 and 2.

Accomplishments Performance Measures

| | This Report Period | Cumulative Actual Total / Expected |
|-----------------------------------|--------------------|------------------------------------|
| | Total | Total |
| # of mitigation plans completed | 0 | 0/1 |
| # of residential building permits | 0 | 0/100 |
| % reduction in kWh used | 0 | 0/5 |

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

| Other Funding Sources | Amount |
|--------------------------------|--------|
| No Other Funding Sources Found | |
| Total Other Funding Sources | |

Project # / SL-6 / SL-Supporting Leverage

| | |
|---------------------------------|---|
| Grantee Activity Number: | 15-SL |
| Activity Title: | Springfield Water and Sewer Commission |

Activity Category:
NDR - Supporting Leverage

Project Number:
SL-6

Projected Start Date:
10/30/2016

Benefit Type:
()

National Objective:
NA

Activity Status:
Under Way

Project Title:
SL-Supporting Leverage

Projected End Date:
09/01/2022

Completed Activity Actual End Date:

Responsible Organization:
City of Springfield2

| Overall | Jul 1 thru Sep 30, 2019 | To Date |
|---|-------------------------|---------|
| Total Projected Budget from All Sources | N/A | \$0.00 |
| Total Budget | \$0.00 | \$0.00 |



| | | |
|--|--------|--------|
| Total Obligated | \$0.00 | \$0.00 |
| Total Funds Drawdown | \$0.00 | \$0.00 |
| Program Funds Drawdown | \$0.00 | \$0.00 |
| Program Income Drawdown | \$0.00 | \$0.00 |
| Program Income Received | \$0.00 | \$0.00 |
| Total Funds Expended | \$0.00 | \$0.00 |
| City of Springfield2 | \$0.00 | \$0.00 |
| Most Impacted and Distressed Expended | \$0.00 | \$0.00 |
| Match Contributed | \$0.00 | \$0.00 |

Activity Description:

Supporting Commitment: Springfield Water and Sewer Commission Flood Protection and Stormwater-Sewer Separation. The City's flood protection work at Watershops Pond (the increased storage capacity and dam restoration/upgrade) is significantly enhanced by work that the Springfield Water and Sewer Commission (SWSC) is undertaking in the same watershed area. SWSC is separating stormwater and sewage pipes in the Upper Hill neighborhood adjacent to Watershops Pond, and in the main interceptor system which extends from the Watershops Pond dam to the Connecticut River. Both projects will incorporate larger pipes with greater carrying capacity, which will both reduce flood events and CSO discharges. SWSC is also adding additional stormwater and sewer pipe crossings from the City side under the Connecticut River to the water treatment plant, and adding an additional pump station to move water through these new crossings. This additional capacity also reduces flood risk and CSO discharge.

Location Description:

City of Springfield

Activity Progress Narrative:

Activity #15: Supporting Leverage – Springfield Water and Sewer total leveraged funding commitment was \$54,350,000.00. To date they have spent \$35,000,000.00 with construction ongoing. The original anticipated cost for the work was \$54,350,000. The new estimated for total cost for all projects is \$100,000,000.00

Accomplishments Performance Measures

No Accomplishments Performance Measures

Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

Activity Locations

No Activity Locations found.

Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

| Other Funding Sources | Amount |
|-----------------------------|-----------------|
| SWSC | \$38,746,683.00 |
| Total Other Funding Sources | \$0.00 |

