







Springfield Community Resilience BuildingWorkshops

Summary of Findings

May 2017-June 2018

Springfield Community Resilience Building Workshops

Summary of Findings

Overview:

Clearly, the need for municipalities, regional planning organizations, the state and federal agencies to increase resilience and adapt to extreme weather events and mounting natural hazards is strikingly evident in the City of Springfield which experienced five presidentially-declared weather disasters from 2011-2013, including an EF3 tornado. Recent events such as Tropical Storm Irene, Hurricane Sandy, the October snow storm, and the tornado have reinforced this urgency and compelled leading communities like the City of Springfield to proactively plan and mitigate potential risks through a community driven process. Ultimately, this commendable type of leadership will reduce the exposure of Springfield's citizens, infrastructure and ecosystems and serve as a model for cities and towns across Massachusetts, New England, and the Nation.

Since 2015, the city of Springfield has been collaborating with the Pioneer Valley Planning Commission, Arise for Social Justice, the Public Health Institute of Western Mass, the University of Massachusetts-Amherst, the Commonwealth of Massachusetts, numerous Springfield-based businesses and organizations and the federal government to increase awareness of risks associated with extreme weather and natural and climate-related hazards, working to assess the risks, strengths and vulnerabilities within the City of Springfield.

This focus was actualized through collaborative work on the city's FEMA funded Natural Hazards Mitigation plan (which built on the city's ReBuild Springfield plan, commissioned by the Springfield Redevelopment Authority and DevelopSpringfield, and facilitated by Concordia from 2011-2012 after the Tornado), a series of city vulnerability assessments, collaborative work on the city's successful application to the National Disaster Resilience Competition, and the development of the City's Strong, Healthy & Just: Climate Action & Resilience Plan. Through years of interactive community-driven presentations, individual interviews, workshops, group meetings, on-line engagement and outreach to build stakeholder willingness and participation followed by a series of community meetings, focus groups, stakeholder interviews, and culminating in a phase one Community Resilience Building (CRB) Workshop in May 2017 followed by phase 2 in April 2018. The core directive of this effort was the engagement with and between community stakeholders in order to facilitate the



education, planning and ultimately implementation of priority adaptation actions. To reinforce this directive the Community Resilience Building workshop had several central objectives including:

- Affirm community consensus of extreme weather and local natural and climate-related hazards of concern;
- Identification of existing and future vulnerabilities & strengths;
- Develop and prioritize actions for the City and a broad stakeholder network;
- Identify immediate opportunities to collaboratively advance actions to increase resilience

The results of the CRB workshops are summarized in a Risk Matrix (at the end of this document). The Risk Matrix was integrated into the CRB Workshop process to provide both decision-support and risk visualization for the City of Springfield. The report provides an overview of the top hazards, current concerns and challenges, current strengths, and actions to improve the City of Springfield's resilience to natural and climate-related hazards today and in the future. Much more detail is available in the Complete Risk Matrix, the City's recently completed Strong, Healthy, and Just: Springfield's Climate Action & Resilience Plan and Strategic Action Chart, the City's updated Vulnerability Assessment, the City's 2016 federally approved Hazard Mitigation Plan and on www.resilientspringfield.org.







Geographic Vulnerability & Critical Infrastructure Panel Map- Springfield, MA



Data sources: Info USA Data Services, Massachusetts Office of Geogrphic Information Systems, Pioneer Valley Planning Commission, U.S. Department of Agriculture Forest Service.

Summary of Findings

Top Hazards and Vulnerable Areas for Springfield

During the CRB workshops (and including the events and outreach held as part of the City's recently completed local hazard mitigation planning process, as well as those held as part of the City's coordinated effort to secure \$17 million in National Disaster Recovery funds for re-building after the tornado, and the community planning process for the Strong, Healthy & Just: Springfield's Climate Action & Resilience Plan), participants from the community were asked to identify the top hazards for the Greater Springfield region. Inland flooding was identified as the top hazard by the majority of the participants. Extreme weather events in the form of tropical storms, severe wind, snow and ice storms, and extreme heat were also listed universally across most workshop teams. (Box A) According to the participants, these hazards are already having a direct impact on several neighborhoods, natural areas (streams, wetlands, and parks), roads, and other critical facilities within the City of Springfield (Box B).

Box A: Top Hazards for Greater Springfield Region

#1 Frequency and Severity of Inland Flooding

#2 Hurricanes/Severe Wind-->power outage

#3 Severe Snow/Ice Storms-->power outage

#4 Extreme Heat (moving up on the list of concerns)

Box B: Vulnerable Areas in City of Springfield

Neighborhoods: Brightwood, Memorial Square, Liberty Heights, Metro Center, South End, Old Hill, Upper Hill, Bay, McKnight, Six Corners, Indian Orchard

Dams: Watershops Pond, Van Horne Dam, Connecticut River dikes and flood control system

Roads: Columbus Avenue, Main Street, Mill Street, Riverside Road, Water Street, Viaducts and Bridge Crossings

Facilities: Baystate Medical Center, Springfield Housing Authority residences in Brightwood neighborhood, Grochmal Mobile Home park, Eastman Manufacturing, Sisters of Providence Health Facility on Mill Street, Buckeye Pipeline, CSX Rail line, Transportation, Shelters and Cooling Stations, Nursing Homes, Gas Stations, Low Income Housing, Wastewater Treatment, Brownfields





Figure 3. Springfield's Urban Watershed Resilience Zone, from NDRC application.

Current Concerns and Challenges Presented by Hazards

The City of Springfield currently has several concerns and challenges related to the impact of hazards in the community. Many of these were brought to the fore during the recent experiences of a tornado (June, 2011), Tropical Storm Irene (August, 2011) and the October snow storm (2011).

Aged infrastructure and out of date data, combined with the recognition of the need to more aggressively integrate nature based solutions were the key concerns of city officials raised at the May 12 2017 and April 25 2018 Community Resilience Building workshops. City Public Works Director Chris Cignoli stated "We're still using stormwater standards from 1950!" Springfield sits along the Connecticut River and is protected by 12 dams and the CT River dike system. Challenges facing the city are massive, including storm systems, reconstruction and repair of the levee system and flood control drainage systems on and off the CT river, roadway cross sections, street lights, electrical distribution system (limiting expansion of solar), gas lines, and housing stock.

The city has been working pro-actively to replace culverts, and this is an ongoing effort. Springfield has been making good use of zoning and subdivision regulations to prevent/constrain development in sensitive areas and is moving forward with a systematic and deliberate integration of green infrastructure. Loss of power is a concern and the city has invested additional resources in tree management as one of the many lessons learned after the 2011 'year of disasters', when over 100,000 trees were lost, and the need to inventory and plant more trees emerged as a high priority. Associated risks to public health and safety included potential for disease outbreaks due to overflowing and standing sewage, surface and ground water contamination, mold outbreaks in flooded basements, mobilized debris in the streets and clogging storm drains, and the potential for release of toxic materials from brownfields and other storage facilities in flood-prone areas.

Because of the city's success with the National Disaster Resilience funding, the city is implementing many key resilience projects, including upgrading the newly re-built Brookings school in the historically African-American Mason Square



neighborhoods: Old Hill, Six Corners, Bay, McKnight and Upper Hill as a neighborhood based emergency shelter, supporting the Combined Heat and Power (CHP) project at Baystate which will yield 30 days of back-up power in the event of extended power outages, and other initiatives detailed below.

Vulnerabilities in the city are complicated due to the diversity of the City's demographics: the significant number of economically disadvantaged residents who do not have access to a vehicle and are dependent on the PVTA whose funding is being cut, who live in poorly insulated homes necessitating higher spending on energy, and who may not be proficient English speakers. Actionable news updates and instructions originating from city officials and emergency managers and delivered by trusted messengers (technology plus process) were identified as key to ensure preparedness and proactive responses by an informed and aware citizenry.

And lack of confidence in city government has also emerged as a key vulnerability. After the tornado, residents of color reported feeling like majority white neighborhoods were better protected by police and received faster assistance from DPW than their predominantly African American and Hispanic neighborhoods/blocks. In addition, the city's dubious distinction (documented in a 2013 University of Michigan study) as the most segregated in the nation in terms of white and Hispanic separation, and 22nd in terms of black and white segregation and 57th in terms of white and Asian segregation, was lifted up as a serious vulnerability. Segregation results in disparate access to opportunity, leaving residents of color less able to 'bounce back' after a disaster.





Current Strengths and Assets within Springfield

The City of Springfield views its recent experiences with increasingly extreme weather patterns and hazard events as ongoing issues to be addressed boldly and with urgency. Actions that the City has already initiated are focused on several key areas of preparedness:

Existing Assets/Initiatives-strengths

- Re-developed the tornado-destroyed Brookings School into an emergency shelter with back-up power;
- Assisted Baystate Hospital with NDR funding to develop Combined Heat & Power facility with long-term back-up power in the event of prolonged power outage;
- Mayor formed City Disaster Resilient Department Head working team and was one of only 13 entities across the country successful in securing \$17 million in NDR funds;
- Very effective use of zoning and subdivision regulations to prevent development in hazard areas;
- Robust existing plans with numerous recommendations, that, when implemented, will dramatically reduce the City's vulnerability;
- On-going dialogue between federal, regional, municipal and neighborhood levels on response and preparedness;
- Strong social services network: community-based organizations, faith-based community, sheltering facilities, and hospitals;
- Broad network of education resources that can assist with public awareness and outreach: public library network, universities and colleges, and schools;
- Rich natural resources, recreational areas, and green infrastructure that provide buffering, water storage and protective capacity to the City;
- Commitment to Green Infrastructure by the City DPW, including securing funds from EOEEA to launch development of a Green Streets/Green Infrastructure Guidebook for the city;
- City has been very active in PVPC led Ct River Clean-up Committee and CT River Stormwater Committee and has been working cooperatively with PVPC, MA DEP, and neighboring cities and the federal government to secure funds to separate city combined sewer outfalls;
- City is committing NDR funds to work with economically disadvantaged residents and landlords who own properties where poor people live, to make sure these homes are as healthy and as resilient as possible;
- City has robust 311 service and many residents use NextDoor app for communication.



Top Recommendations to Improve Springfield's Resilience to Hazards

The responses from the Workshop's participants regarding recommended actions to reduce exposure to natural hazards fell into four categories: Building Resilient Infrastructure; Managing the Urban Forest, Back-up Power, and Building Human Resilience. Pervasive throughout the discussion was the need to proactively manage the risk posed by these hazards as well as the need to comprehensively assess the return on actions within an economic, societal, and ecological context. Because Springfield ran their CRB workshops over a 12 month period, the top recommendation is already underway, that if working to develop a Springfield-specific Green Streets/Green Infrastructure Guide for city and private development work in the city. While Springfield was not certified as an MVP community, the city was given credit for their work on the CRB workshop held in 2017, enabling the city to allocate a portion of their MVP planning grant toward the Green Infrastructure Design guide.

STRATEGIES to Build Resilient Infrastructure

- 1. Develop a Springfield-specific Green Infrastructure (GI) policy and design manual, which should include:
 - Standards by location & city-wide
 - Set of criteria to assist developers and the City in determining what type of infrastructure system is appropriate for a given location and project type. This set of criteria should set GI as the standard, requiring developers to prove they have completed a thorough site analysis and alternatives assessment regarding infrastructure systems design.
 - Neighborhood-specific content, designed to educate Springfield's 17 neighborhood groups at the concept-level.
- 2. Highlight projects already in the city to help build the case and educate neighborhood residents and developers alike. Monitor public and private installations.
- 3. Set up "pop up green infrastructure" demonstrations along public roadways, in public plazas and parks, in public and commercial parking lots, and in other highly trafficked and/or highly impervious sites.

STRATEGIES to Manage the Urban Forest

- 1. Identify and secure funding for a city-wide survey of trees.
- 2. Identify and secure sustainable funding sources for annual tree planting.
- 3. Identify and secure sustainable funding sources for tree care and maintenance of public trees.
- 4. Focus planting efforts in neighborhoods with the greatest risk of urban heat island (UHI) effect and the lowest rate of tree canopy cover.
- 5. By 2022, plant 5,600 trees on public property and by 2060 achieve 100% stocking levels and have planted an additional 55,000 trees on public property.
- 6. By 2022, plant 300 trees per neighborhood on private property for a total of 5,400 trees across Springfield's 18 neighborhoods.
- 7. Secure funding and develop an incentive program for planting trees on private properties.
- 8. Implement a city-wide green infrastructure policy, as identified in Strategy 1 of the Building Resilient Infrastructure goal.

Additional work to do:

- 9. Enhance opportunities of forestry-related job and skills trainings for Springfield's youth and residents and collaborations with area academic institutions
- 10. Increase public education efforts pertaining the value and importance of trees, shrubs, and fruit producing vegetation regarding:
 - Food access and security
 - Mental and community health co-benefits
 - Urban ecosystem services



STRATEGIES to Build Human Resilience

- 1 City will work deliberately to restore faith in city government, especially with respect to explaining what the city is doing to be resilient and to protect residents from the effects of disasters, including communicating with residents on resilience initiatives and providing details to residents on how they can reduce their own vulnerability and enhance their individual, family and neighborhood strength.
- 2 City work to address perceived cultural insensitivity and work to develop cultural competence and understand diversity as a strength and not a weakness.
- 3 Work to improve access to transportation for residents who do not have access to an automobile, to assure mobility in the event of prolonged power outages and the need to evacuate, including ongoing advocacy for increased funding for the Pioneer Valley Transit Authority and East/West rail, as well as programs to encourage employers to offer subsidies for bus passes and ValleyBike Share membership and ongoing aggressive participation in the MassDOT Complete Streets funding program.
- 4 Establish a program, spearheaded by utilities, to provide super energy efficient air conditioners to homeowners and renters who do not have access, contingent upon completion of Mass Save HEA and full implementation of recommended energy efficiency home improvements to maximum \$2,000 incentive.
- 5 City, SHJ Implementation team, businesses, and anchor institutions create a program to provide low or no cost (as needed) property insurance coverage to all vulnerable homeowners and renters.
- 6 Assess the feasibility of adopting a building requirement for air conditioning in all new developments and as part of any major rehabilitation work over a certain size (excluding single family homes).

STRATEGIES to Develop Back-up Power

Create a Springfield micro-grid working group to advance this initiative. Members should agree to implement the following detailed action plan:

- Meet with Eversource and ISO New England to understand grid connection and other issues.
- Research how other cities are implementing micro-grids, and conduct site visits and conference calls to exchange ideas. Possible site visits include the Codman Square CDC project in Dorchester and the fuel-cell micro-grid in Woodbridge CT.
- Research funding opportunities from Massachusetts Clean Energy Center, Department of Energy Resources, and other sources. Apply for feasibility study grants.
- Investigate battery storage for micro-grid and emergency back-up power, especially for nursing homes and grocery stores in vulnerable neighborhoods.
- Engage UMASS researchers as appropriate.
- Engage the largest property owners and energy users, such as MassMutual, Baystate Hospital, MGM, Picknelly, Mass Visitors & Convention Bureau, and the Greater Springfield Chamber.
- Focus on Downtown/Metro Center and integrate EV car charging stations
- Conduct research to understand the level of retro-fitting necessary in existing buildings in order to connect to micro-grid.
- Assess the feasibility of a regulatory option requiring new developments to be 'micro-grid ready'.
- Oversee feasibility study.
- Launch project by 2019 for completion in 2020.

The City of Springfield continues to work to advance implementation of these recommendations. Additional detail is available at www.resilientspringfield.org



Workshop Participants: City Departments, Organizations and Other Entities

All City of Springfield Departments Pioneer Valley Planning Commission DevelopSpringfield **Springfield Partners for Community Action Columbia Gas Eversource Regional Employment Board of Hampden County** Springfield Technical Community College **American International College Baystate Hospital Springfield City Council** LiveWell Springfield **ReGreen Springfield Co-op Power Center for Eco-Technology City Neighborhood Councils Public Health Institute of Western MA** Arise for Social Justice University of Massachusetts Amherst LARP/Design Engagement

Note: Additional groups were represented during portions of the workshops; those listed above participated in one or both full workshop sessions and/or stakeholder sessions

Workshops Project Team: Organization and Principal Contact

City of Springfield - Tina Quagliato, Director of Disaster Recovery Chris Cignoli - Director Department of Public Works Patrick Sullivan - Director Buildings, Parks and Recreation Bob Hassett - Emergency Management Director Shayvonne Plummer - Office of Planning and Economic Development Geraldine McCafferty - Director Department of Housing

Certified CRB Provider: Pioneer Valley Planning Commission- Catherine Ratté (Project Lead)

Acknowledgements:

Special thanks are deserved for the City of Springfield and their willingness to embrace this process and c o m m it t o resilience planning. This effort was made possible through funding by the US HUD National Disaster Resilience initiative and the Commonwealth of Massachusetts Municipal Vulnerability Preparedness program.

Name	Sector	Email Address
Jeff McCollough	Bike/Ped planning	jmccollough@pvpc.org
Tina Quagliato	Director Disaster Recovery & Compliance	tquagliato@springfieldcityhall.com
Kevin Chaffee	City-Conservation	kchaffee@springfieldcityhall.com
Matt Sokop	City-DPW	msokop@springfieldcityhall.com
Soloe Denis	City-Health & Human Services/Preparedness	sdennis@springfieldcityhall.com
Alex Sherman	City-Parks-Urban Forestry	mtully@springfieldcityhall.com
Shayvonne Plummer	City-Planning	splummer@springfieldcityhall.com
Bob Hassett	City-Emergency Management Director	bhassett@springfieldcityhall.com
Benjamin Bland	City-HHS	bbland@springfieldcityhall.com
Michaelann Bewsee	Arise for Social Justice	michaelannb@gmail.com
Geraldine McCafferty	Housing Director	gmccafferty@springfieldcityhall.com
Bea Dewberry	Wayfinders	bdewberry@wayfindersma.org
Jesse Lederman	Councilor at large	jesselederman2016@gmail.com
Jose Lopez-Figueroa	Education STCC	-
LaRue Pierce	Education STCC	-
Sarita Hudson	Public Health Institute of W MA	shudson@publichealthwm.org
Lynn Benander	Co-op Power	lynn@cooppower.coop
Kathy Wicks	Public Health Institute of W MA	kwicks@publichealthwm.org
Elisabeth Hamin	UMASS LARP	emhamin@larp.umass.edu
Dennis Duquette	Mass Mutual -Community Responsibility	dennisduquette@massmutual.com
Bill Fuqua	Spfld Water & Sewer	
Sandra Sheehan	PVTA	sshehan@pvta.com
David Bloniarz	ReGreen Springfield	dbloniarz@regreenspringfield.com
Elizabeth Celluci	Columbia Gas	ecellucci@nisource.com



Public Listening Session

On June 5, 2018, the City held its MVP Public Listening Session. Facilitated by PVPC staff, community members expressed the following concerns and suggestions.

Overall the public were supportive of the city's MVP action grant proposal, especially the proposal to focus resources to improve city Departments communication with residents by: a) hiring a Public Relations firm to work with city Department heads and key staff to develop a shared approach to Facebook communication; b) stipends and training for Community Resilience Ambassadors, c) hiring the Healing Racism Institute of the Pioneer Valley (or comparable entity) to facilitate a series of community conversations on race and resilience and d) funding to Neighborhood Councils to organize Diversity Festivals in targeted neighborhoods.

The public also supported the city's request for a tree inventory and for more funding focused on nature based solutions to managing stormwater and potential flooding.

In addition, the public suggested:

- Form diverse work teams to address issues across the city and publicize their work very aggressively.
- Consider pilot participatory budgeting or other established participatory processes to develop neighborhood specific resilience action plans with possible mini-grants for resident led projects, similar to the Eco District process well established in Oregon
- Consider recognizing that many residents do not speak English, even after years of living in Springfield and the region, and do more bi-lingual signage and publicity
- Support Resident Leadership Capacity Building programs, such as those run by LiveWellSpringfield and Wayfinders
- Research and integrate, as appropriate, the Alternative to Violence Project
- More aggressively research and implement local regulations to mitigate traffic pollution, both physical, such as barriers and planting trees as well as regulations, possibly prohibiting the siting of schools near high volume roads
- Support for a carbon fee and/or other innovative financing mechanisms to raise funds for new ways to reduce GHG emissions given the low socio-economic status of the majority of Springfield's residents



Appendix

Base Maps and Community Resilience Building (CRB) Risk Matrix





logi Pilerity Hearies no mado, floods, wildhie, humcanes, eantquake, clought, sea le	vel rise, heat wave	etc.		5.		less		1	
(MA) entering for action over the Short or Long term (and ∑egoing) _n Valuerability <u>i</u> = for ength				Extreme Heat	Inland Flooding <==>	Winter Storms <==>	High Winds (power outage etc) (nm>	Priority 31-M-L	Time thortLos Occupation
features	Location	Ownership	V or S	Strategic Actions Cut	Across All the	Hezerds	547.Z		ordend
ne autorational de quity of Caty's Starm Systems > 75 yearsold. Resilienzy requires ompleted replacements or exclandancy of systems. Current roadway roos section do not accommodale additional placement of reducidant hibites	City-wide	City	à	Continue to develop & implement Grocs Infrastructure/Grocs Streets Guide & Policy	Admise Orien Infrastructure Orien Stores PrincipResidation	Keep securing grants and bonds from Feds and State and private	M34 permit reqs	H	30
tged Electrical Distribution System (is limiting expansion of educ in ity) & age d'aging gue lines	City-wide	City/Utilitie #	Ŷ	Regulation Accelerate city's transition to down, sufo, suctainable morgy -via Community Choice	Move utilities underground-where it makes sense	sector Explore/advance t micro-grid and distributed	B systate CHP	HM	SOL
iged infrastructure - water and server lines, pipes, roads, sidewalks, teredigizate:	CityAwide	City	y.	aggregation, PACE and Science Explore can set V apphalt and porces parenest where	Advance Streetlight working group	generation Continue to apply for Complete	Update Building performance requirements	н	3, O
				bossga		Streets funding	for extreme heat, more flooding and high winds-7 Toward net Zero req	,	
or tax base Toxbined sewers	City-wide N. End, Metro Ctr. S.	City	v	Continue collaborative work with CT River Clean Up				H	0
loueng and other Building abendoment	End Tornado area	Frivste	v	committee Code Enforcement	Conduct a	Ingeows	Incentivize re-	м	OL
Lessourre re-construction of roads	Riverade	City	v	Kann annative (2) 90 and (2)	comprehensive assessment of the status of all vacural,	compliance Advocate & Secure	development	м	0
				funds so when strests as upgraded they are "Complete" and OREEN	and Patroy Impl	TRAILS funding for in-sity transportation, esp Highland Rail Trail			
ecessary re-construction and repair of levee system and flood control rainage system on and off CT River	N End	City	v	Continue to work with federal and state govt for stable			11	я	0
gystate Health Co-Gen	N End	Private w/ city, state,	5					н	ta
g ng Housing stock	Citywide	Fed govi Private	v	E durais rectors on team)	Promote ManSere			м	0
igh rates of impervious stafface 34% most in region	City-wide	City	Ŷ	Implement OI	Pint Trees			м	0
rookings School hydro-power @ Watershops Pond pper and Lower V as Hom Reservoir Dans with planned real-time	Old Hill Liberty	City City	S V.S					M H	SL
emitoring or \$5. End Drainage System and Flood pump repair and hardening	Heights N End	City	v					н	3
orth End Cytle Track and Riverboat Bikeway/Walloway Access	N End	City	5					н	5
entulized Union Station	MetroCtr	CityStateF	S			-			-
allepfilts Share and new Pedestrian Way-finding	MetroCtr	ed CityStateF	5						-
pangfield solive participant in Pioneer Valley EV Charging Station	MetroCtr	ed/private City/State/F	8	Implement recommendations				L	0
tan-and MJM has committed to a grift out # evelopOpringfield works in City to revitalize/restore troubled	City-wide	ed/private Private/City	5					-	-
usionge ligh Heared Diens	City-wide	City	Ÿ.	Work w/ Office Dan Safety and MEMA, FEMA to				м	0
				mantain, renova					
autures ocietul	Location	Ownerskip	Vor S						1
overty Medianhsusehold income SpfId-\$31,356 v MA \$65,339; overty rate SpfId-33 3% v MA 11.9%; S. End63 (% & 5 other eighnethoods-20% [2012 data] & Poverty free Uder Residents 37% SpfId v 9.3% MA, S. End-38,5%, McKnight-27.1%	Cityowide, realience dist	City	v	Increase an all business incentives, w'focus on env sustainable business dev	Support and expand REB Job training			м	0
egregations: despersión account of opportunity for reachesis of color, utilizagion wear of concentrated powerty and therefore reduced shility "bounce back"	N End Metro Ctr	City, Private	Ŷ	Expand BID to include Union Station area	ingresses cultural competence/address segregation directly, via education, festivale and re-	Pronote mit ed- intone housing devs in all neigthoshoods		м	3
nen ployment: 1095% v MA 672%	NE, SE, Maron Sq	City, Private	v	Inervese am all business intentives, se' focus on anv statismable business dev	in distriction of associa Expand internative opportunities for Springfield youth	Hire un/unde- employed condents for aty initiatives when possible, and require businesses to do as feasible		н	0
ack of access to a vehicle combined with lack of State support for PTA and other RTAs—othe in funding	Citywide	City, Private	v	Continue to advocate & support increased flanding for RTAs, exp PVTA and accelerate transitions to E- buses	Advocate for East- West Rad	E durate volume able r on dents about evaluation plans BEFORE need to evaluate		н	0
ow home-owneedlag: 47.5% v MA 62.2% & Subaidized Housing 6.2% v 9.1% MA	City-wide, remitence	City	v					м	0
igh mergy costs	dist City-wide	City, Private	v	Accelerate city's transition to dean, sufe, sustainable energy -via Community Choice	Promote Manfform and Ener-O-Save			L	0
ow rates- pre-ratal care, birth weight and high infant mortably	City-wide	City	v	aggregation, PACE and Sciarize Confinue DHHS programs		<u> </u>		н	0
ery hagða anflama r ulen (10,9% MA: studenta v 17,2% Syfl á studentáj	Cityvwide	City	v	and support ALLIS in any Monitor as quality and loop working to improve it—expand He althy Homes initiative and plant more trees	Support Francer Valley Asthma Coalition			н	0
ow student stability rate (95.8% v MA 95.6%)	City-wide	City	V.	Connect advocés with function and Neighborhood Councils	Work to diversify school staff so more			н	0
igh rates of Obraty (257% v MA 227%)	City-wide	City	٧.	Continue Mass in Motion, 1422, LiveWell Sminuffeld,	core ecertative of			н	0
n all businesses lost after Tomado	Realisate	City, Private	v						1
ealthy Hones Initiative pringfield innovation Center-14 new an all businesses	Realizate Mar Car	City	S S	Expand Expand					
EB Job Training ech Foundry Information Technology job training	City-wide Mbr C'ar	City, Private City, Private	5	Expand Expand					
ack af oardidense in government by seaderts, esp Palice	Citycwide	City, Private	Q.	Improve communication w/ real-dents cap, on Realisence work planned & underway- target witnerable real-dents	Moderate at/s mechanisms of communicating w/ reat derits Facebook pages web-ate, 311,	E docate real dents on what government dons- cretos	Keep expanding C3 policing across the city	н	0
esting & Cooling Centers and commitment to inserve communication	Citywide	City	3	dunping	volunt ary transfer,	control district		-	10
on DHHS cademic Institutions-yield I coal internative ity government has higher % of costside funding supporting basis	City-wide City-wide	Private City, Private	8 V	Consider Stornwater Utility				L	L
outrol Board take over? Or maphe success negatisting with MOM?				m echanisms					
ity Council recently re-activated Green Committee ligh #s of non-native English speakers	City-wide City-wide	City City	8					L	0
xistingStructure of Neighborhood Councils	Citywide	City	3	Some ore drongerthan othere- need Training and Capacity Building and better support from City				м	3
satures	Location	Ownership	V or S			1			
nvir sumental accesse in flooding date to predicted increased diration and volume of	Realizate	City, Private	v.	OLOS work and	Ascess endupage	Place lever		н	LO
infall fore extreme heat	dist City-wide	City, Private	y	Expand multim Expand multiparties and assure access to splash purks in all neighborhoods, esp	oubvects over time Investigate visitelity of community pools	C Plant terre	Improve access to AC in low income/senior housing	н	LO
mironmental degradation from part disantera-loss of tree canopy 00,000 trees loss in toroadio and ecoson, debris and actimized at on	Realience	City, Private	v	targeted resilience area with Infore stable fissions for Forestry, including survey and				н	LO
ibitat loss «Oreen Springfield is planting trees and educating Citizen Scientists	Tornaño	City	8	implementation of existing					
reen StreetsOreen kafastructure Outdebook under Development with	area, aity Cety-wide	City, Private	8	CONTINUE				н	3
ons on regulation/Policy pending lamed diglighting of writer at V in Home Park	Liberty	City	9					Н	3
consultment in NDR proposal to increase green space and reduce operatous surfaces-Riverfront Park & Riverside Drive hilts out	Hughts MarCu	CIÀ	S					м	3
rownfields contaminated soil	City-wide	City, Private	4	Explore Green Remediation	Consider for solar		Work with DEP, EPA and	м	LO
waxw Species and pesta	City-wide	City, Private	<u>v</u>	techniques Educate to stop voluntary transfer strength	arays Join Mosquite conir d district		others for funding to	м	LO
fell-protected, cared for and angle water stapply	Citywide	Private	s	from lots/yards, etc			Meithen	н	0
ending di ouge	Citywide	A1	¥.	Review zoning and other regualtions to assume reference and applicability given dimete change impacta- exp increased herd, flooding decoupt and power catages	Conserve weber and echacate on weber conserveds on			L	L
					-				-

