

Category	Action	Oversight / Responsibility	Time Frame	Estimated Cost	Possible Funding	Status-June 2018
	<b>Action chart Strong, Healthy &amp; Just: Springfield's Climate Action &amp; Resilience Plan</b>		Now: July-Dec 2017 Short Term: 2018-19 Long Term: 2020 and beyond	Low: < \$50 k Md: \$50-100 k High: >\$100 k		
B u i l d i n g  C o n f i d e n c e  i n C i t y  G o v e r n m e n t	1.1 Analysis of status of existing City core plans' recommendations and action steps (especially those identified as best practices in SHJ). Recommit to their implementation with public timeframe.	ACD, PVPC; PED; SC	Now	Low	City, NDR, MVP	ongoing, highlight S End work
	1.2 Proactively publicize City's ongoing Climate Action & Resilience work, especially work catalyzed by NDR in the Urban Watershed Resilience Zone of neighborhoods dominated by economically disadvantaged communities of color.	ACD; M; MC, CC, SC, PVPC	Now	Low	City, NDR	sought funding - MVP Action grant May '18, significant work in S End
	1.3 Highlight workforce development underway focusing on hiring un/under-employed Springfield residents to perform Climate Action & Resilience work supported by NDR and other funds.	MC, CC, SC, PVPC	Now	High	City, NDR	REB/City hiring
	1.4 Maintain resilient.springfield.org website as a transparent means of engaging and communicating with residents on implementation of SHJ and of celebrating success.	PVPC; ACD; SC; MC, CC	Now, Short Term	Low	NDR, City	funded -2019?
	1.5 Formally involve the Springfield business community and anchor institutions in SHJ implementation. Consider creating a commission, modeled after Boston's Green Ribbon Commission, charged with insuring their active engagement in SHJ implementation.	PED, M; CC, SC	Now, Short Term	Low	SRA, Community Fndtn of W MA, DS, AI	
	1.6 Work with the business and research community to create Implementation Wedges/Interim Goals to clarify exactly what actions will contribute to which percentages of GHG emission reductions required.	PVPC; CC	Now	Low	NDR	done-Smith/PVPC
	1.7 Continue to convene the City Committee created to secure NDR funds by Mayor Sarno to oversee the implementation of this plan. Establish a committee point person in each City department to take the lead on implementing those actions that fall under the purview of their department.	ACD; SC, PVPC, CC	Now, Short Term	Low	City, NDR, MVP	meets as needed
	1.8 Consider including members of the SHJ plan development working group as well as business, community, and youth representatives in the City Committee. Consider allocating stipend funds to allow vulnerable community members to serve on committee, including at least one stipended youth position.	CC, PED, M	Now, Short Term	Low	None required	Arise working to organize a resident Adv Comm
	1.9 Join Mayors' National Climate Action Agenda and consider joining comparable initiatives moving forward to ensure Springfield's active participation in cutting-edge Climate Action & Resilience communities of practice.	M	Now	Low	None required	done
	1.10 Work with PVPC, EOEEA, and other federal, state, regional, and local entities to identify/secure funding for a new City staff position charged with working with City Committee and City departments to implement SHJ.	M; PED, CC; PVPC	Now, Short Term	Md	City; MA-LUPP, Fed grant, Rockefeller 100 Res Cities	city created grants dir w/ focus on CARP impl
	1.11 Research a best practice model of a city that is committed to community engagement and has a plan in collaboration with community leaders, both official and un-official, to develop a strategic engagement plan for the city.	PED, M, CC, SC	Now, Short Term	Md	City	MVP action grant 5/18 is a start-pending
	1.12 Work with utilities, the Commonwealth, local foundations, and others as appropriate to create a program whereby homeowners and renters who have a MassSave Home Energy Assessment (HEA) and implement maximum recommended home energy efficiency improvements, receive a no cost or low cost super energy efficient air conditioner.	U; CC; SC, PVPC, NGO	Now, Short Term	Md	U; AI; NGO; SBID; MassSave	City partnered with Ener-G-save
	1.13 Work to improve access to homeowner's and renter's insurance.	PVPC, NGO, SC	Now, Short Term	Low	AI, NGO	
	1.14 Continue the work to break down silos within the City government, build capacity in the City and community to implement the SHJ.	M, ACD, CC; SC	Now, Short Term	Low	None required	ongoing
G e	2.1 Implement Complete Streets Plan as roads receive capital improvements and funding becomes available.	DPW; PED	Now, Short Term	High	City, CDBG, Ch 90, MassDOT CS	secured CS \$\$ 3/18
	2.2 Implement BikeShare with a focus on insuring accessibility and use by the city's low-income residents.	PED, M	Now, Short Term	Low	CMAQ, AI	done

t t i n g  A r o u n d	2.3 Work with the Business Improvement District (BID) and the Chamber of Commerce to create a staff position of Transportation Demand Management (TDM) Coordinator to assist businesses with getting their workers out of single occupancy vehicles. The TDM Coordinator will develop & implement a campaign to decrease single occupancy vehicle commutes by a quantifiable amount by: A) Communicating with commuters regarding alternative commuter options such as transit, biking, or walking and providing information on safe routes to work; and B) Assisting major employers in developing an alternative commute program.	SBID; SRC; PED	Short Term	Md	SBID, AI	
	2.4 Encourage employers to provide employees with emergency ride home programs, vanpool match programs, telecommute options, and flex-time options.	M, PED, SB; SRC; SBID	Now, Short Term	Low	SBID; AI	
	2.5 Encourage colleges to participate in PVTA pass programs.	AI; PVTA; SC	Now	Low	None required	
	2.6 Revisit the City's parking requirements (last updated in 2012) to identify techniques to realize the City's "park once and walk" approach in downtown.	PED; DPW	Now, Short Term	Low	City, DLTA, 1422	
	2.7 Encourage MGM's planned work to bring back electric trolley service in downtown from Union Station to STCC, the casino, Hall of Fame, and Riverfront Park.	PED; DPW, M	Now, Short Term	Low	AI	done
	2.8	PVTA	Now, Short Term	Low	PVTA	State budget cuts have required focus on retaining funding
E f f i c i e n c y						
	3.1 Form intentional partnerships among and between 5 groups: landlords, housing court, receivers, businesses, and the Springfield Housing Authority, and support neighborhoods in marketing Mass Save.	U, OH, SHA; PVPC	Now, Short Term	Low	AI, NGOs, OH, NDR	
	3.2 Help homeowners and rental property owners to participate fully in all eligible Mass Save programs through a potential ordinance or incentive such as decreasing property taxes for participants; implementing national best practices for energy efficiency in rental properties; low or no cost AC and property insurance; and possible expansion of planned "Healthy Homes" initiative.	OH, U, PVPC, NGO	Now, Short Term	Low	City; U, NGO, NDR	ongoing Ener-G-save and CCA process
	3.3 Create an annual energy performance tracking and reporting system for commercial and multi-family properties.	OH, U, PVPC, NGO	Long Term	Medium	U, DOER	
G r e e n i n g  t h e  G r i d						
	4.1 Identify a solar expert point person in the City to field questions, provide technical assistance and guidance to residents and other property owners.	PBRM, CC, M	Now, Short Term	Low	City, DOER, Solarize	in process, Nigel Graeves interested
	4.2 Pass a resolution by the Mayor and City Council stating support for solar goals and strategies.	Mayor, City Council	Now, Short Term	Low	City	
	4.3 Launch an educational campaign sponsored by a resident-led group to explain solar options and financing.	PVPC, CC, NGO; M; SC	Now, Short Term	Low	City, DOER, Solarize, NGO	will be part of Solarize
	4.4 Create/publicize existing incentives to encourage residential and commercial adoption of solar installations.	PED, PBRM	Long Term	Low	City;DOER, EOEEA, Fed	Solarize will include ed on incentives
	4.5 Host a community solar development program and support the development of a local socially equitable tax equity fund to achieve the goals for community solar.	SC; PBRM; U	Now, Short Term	Low	City	
	4.6 Support community shared solar projects with 50% low-to-moderate income buy-in per project.	SC, PBRM	Now, Short Term	Low	DOER, Utilities	
	4.7 Research the feasibility of adopting an ordinance requiring all new and major renovations to include solar or able to accommodate solar.	PED	Now, Short Term	Low	City	
	4.8 Send experts and City staff/residents to participate in statewide discussions on behalf of resident and local business needs with respect to solar and other renewable energy sources.	CC; PBRM, NGO; SB	Now, Short Term	Low	City	
	4.9 Host a group purchasing program for solar, eg Solarize Mass.	SC; PBRM; U	Now, Short Term	Low	DOER	applied for Solarize
	4.10 Facilitate a working group of "solar champions" with neighborhood council/civic associations involvement to promote solar to residents.	SC; NGO	Now, Short Term	Low	City; NGO	This will happen with Solarize
	4.11 Create a Springfield micro-grid work group to advance this initiative. Members will agree to implement the detailed action plan on p. 50 of SHJ	SC; DS, U; PED	Now, Short Term	Low	DOER, DS, AI	created but Jay left DS, need to re-activate
4.12 Oversee feasibility study	Mass CEC; SC, UMASS	Now, Short Term	Low	City		

	4.13 Launch project by 2019 for completion in 2020.	Mass CEC; SC, UMASS	Now, Short Term	High	City	
Green Infra	5.1 Develop a Springfield-specific GI design policy and manual, as specified on pg 52 of SHJ	DPW; PED; PVPC	Now, Short Term	Low	City; State funding	secured EOEEA \$ in process and expand w/ MVP action grant
	5.2 Highlight projects already in the city and track public and private installations	DPW	Now, Short Term	Low	City	
	5.3 Partner with local colleges and universities to research, evaluate, & integrate the economic, social, & ecological benefits (ecosystem services) of natural resources & GI in land use & infrastructure planning, programs, & projects. Prioritize areas with historical and current underinvestment.	AI; Umass; SC	Now, Short Term	Low	AI; City	
	5.4 Set up "pop up" GI	DPW; PED	Now, Short Term	Low	City	
Urban Forest	6.1 Identify and secure sustainable funding sources for annual tree planting	CC; PBRM	Now, Short Term	High	NGO; State and federal funding; AI; City	secured Green Gateway City \$\$ 3 yr robust plan
	6.2 Identify and secure sustainable funding sources for tree care and maintenance of public trees	CC; PBRM	Now, Short Term	High	NGO; State and federal funding; AI; City	applied for Tree Survey in MVP Action grant 5/18
	6.3 Focus planting efforts in neighborhoods with the greatest risk of UHI and the lowest tree canopy cover.	PBRM	Now, Short Term	Low	City; NGO; State and federal funding	agreed
	6.4 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	PBRM	Now, Short Term	High	City; NGO; State and federal funding	secured Green Gateway City \$\$ 3 yr robust plan
	6.5 By 2022, plant 300 trees per neighborhood on private property for a total of 5,400 trees across Springfield's 18 neighborhoods.	PBRM	Now, Short Term	High	City; NGO; SBID	secured Green Gateway City \$\$ 3 yr robust plan
	6.6 Secure funding and develop an incentive program for planting trees on private properties	PBRM; NGO; SC	Now, Short Term	Low	City; NGO; State and federal	
	6.7 Implement a city-wide GI policy, as identified in Strategy 1 of Infrastructure Goals.	PED; DPW; PBRM	Now, Short Term	Low	City; State and federal funding;	City/PVPC applied for LUPP \$ 5/18
Resilient Building	7.1 Utilities and others create a program to provide super EE AC to homeowners and renters, contingent on Mass Save HEA and full implementation of recommended EE home improvements.	U	Long Term	High	U; AI; NGO; SBID; City	
	7.2 City, SHJ Implementation team, City Committee, Businesses, and Anchor Institutions create a program to provide low or no cost (as needed) property insurance coverage to all vulnerable homeowners and renters.	AI; SB; CC; SC	Now, Short Term	High	City	
	7.3 Assess the feasibility of adopting a new 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).	PED	Now, Short Term	Low	City	
Toward Zero	8.1 Explore alternative waste solutions to the current trash fee model, especially those included in the Massachusetts Department of Environmental Protection's 2013 Solid Waste Master Plan, Pathway to Zero Waste, to reduce the amount of waste being sent for incineration.	DPW	Now, Short Term	Low	City	ongoing
	8.2 Use regulatory means as possible appropriate to promote, require, or incentivize alternatives to traditional building demolition, such as rehabilitation, adaptive reuse, relocation and deconstruction.	DPW, PED	Now, Short Term	Low	City	
	8.3 Implement awareness and informational/educational campaigns to: A) 'Buy Smart' (plan before purchasing, buy local, give gifts of experience, purchase durable goods), B) re-use, C) borrow, share, & rent items, and D) fix and maintain.	SC; DPW; NGO	Now, Short Term	Low	City; DEP; AI	

W a s t e	8.4 Adopt a plastic bag ban and polystyrene ban.	NGO, CC	Now, Short Term	Low	City	City Council Green Comm considering
	8.5 Implement awareness and informational/educational campaigns to reduce the volume of food waste generated in homes by promoting proper food storage, & meal planning, and composting.	SC; NGO, DPW	Now, Short Term	Low	City; DEP, NGO	
	8.6 Implement awareness and information/educational campaigns to avoid electronic-waste, encourage the recycling of electronic products, and the purchasing of environmentally-friendly electronics.	SC; DPW, NGO	Now, Short Term	Low	City; DEP, NGO	

Status as of May 2018: 57 Priority Strategies identified/32 either accomplished or included in grant application pending/25 need action

**Implementation Leads Key**

<b>PED</b>	Planning & Economic Dev	<b>SRA</b>	Springfield Redevelopment Authority
<b>PVTA</b>	Pioneer Valley Transit Authority	<b>U</b>	Utilities
<b>SC</b>	Sustainability Coordinator (New Staff Position)	<b>EP</b>	Emergency Preparedness
<b>M</b>	Mayor's office	<b>SRC</b>	Springfield Regional Chamber
<b>MC</b>	Mayor's Communications Director	<b>HRD</b>	Human Resources Dept
<b>PVPC</b>	Pioneer Valley Planning Commission	<b>SWS</b>	Springfield Water and Sewer
<b>DS</b>	DevelopSpringfield	<b>PBRM</b>	Parks, Buildings, and Recreation Management
<b>CC</b>	City SHJ-CARP Impl Committee-expand existing Dept Heads committee to include residents, business leaders and other key stakeholders	<b>ACD</b>	All City departments
<b>SB</b>	Springfield Businesses	<b>AI</b>	Local anchor institutions
<b>OH</b>	Office of Housing	<b>NGO</b>	Non-governmental organization(s)
<b>DPW</b>	Department of Public Works	<b>SBID</b>	Springfield Business Improvement District
<b>SHA</b>	Springfield Housing Authority		<b>CC</b> and <b>SC</b> in red because SC is a proposed NEW position and CC is proposed to be expanded to include