

City of Medford Local Energy Action Plan

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City of Medford, MA

- Population 56,000
- 8.6 square miles
- 5 miles north of Boston
- Extremely dense population with 1/3 green space
- Socio-economically diverse
- Mayor & City Council
- Tufts University
- 4th English Settlement in North America, 1630



Out with the old

- Climate Action Plan in 2001
- Update & Revise?
- No Resources



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What was missing?

- Data on former programs
- Staff expertise on creating master plans
- Consensus on goal setting
- Staff time



In with the new

- Metropolitan Area Planning Council (MAPC)
– Local Energy Action Program

- Competitive Grant Program

The purpose of MAPC's Local Energy Action Program is to help cities and towns create and implement local energy action plans over a two-year period with the goal of creating long-term sustainable plans of action.

- Funded by the Barr Foundation



Process

- MAPC Staff as consultants, project manager & support staff
- Energy Office Staff as clients
- Public & by-invitation meetings with Department Heads, residents, large stakeholders (Tufts), Medford Energy Committee
- MAPC provided drafts for discussion



What is in it?

- Background & history on Medford energy usage
- Data on current energy usage, goals & projects
- Municipal, Residential & Commercial energy
- Consultant Recommendations



What is in it?

- List of Objectives & Actions
- How-to pages for key actions
- Details of methodologies, data, meeting notes, handouts & presentations



Details



- Data on electricity, natural gas, oil & gasoline converted to MMBTU & Energy Use Intensity (EUI)
- Buildings, municipal vehicles, street & traffic lights
- Residential & Commercial data derived from US Census Data



Focused on What, not Why

- What we do
- What we use
- What goals we have
- No: Climate Change discussion
- No: Green House Gases
- Avoids debate & dissension



Objective	Action	Key Implementers	Example Programs/Projects	2012	2013	2014	2015	2016	2017	Additional Action Info in Plan
Promote Sustainability Efforts to Meet Present Energy Needs while Considering Future Generation Needs.										
8. Increase awareness of solar PV and ease of installation.	a. Design and implement outreach program based on Solarize Mass model to inform residents of solar opportunities and encourage the use of financial incentive options for solar installation.	E&E Office; Energy Committee	Use the "SolarizeMass" program model to help residents vet vendors and aggregate demand for residential solar installation.		X	X	X			See Part II
	b. Track numbers of residential solar installation and raise awareness about number of installations.	E&E Office; Building Department; Energy Service Vendor	Work with energy service vendors to identify annual participation rate in solar outreach program; monitor annual residential solar installations by reviewing construction and renovation permits issued.	X						
9. Plan for long-term sustainability development.	a. Improve bike and walking paths.	Energy Committee; Planning Department; Health Department	Conduct a Complete Streets Project; Partner with Health Department to support its existing grants and programs for promoting walking and biking; Increase biking and walking access to public transits.				X			
	b. Increase public awareness of biking, walking, and public transportation opportunities.	E&E Office; MEC; Local Organizations; Health Department	Support Walk-Ride Days.	X						
10. Promote equity in accessing clean energy opportunities.	a. Pursue affordable housing-focused energy efficiency programs	E&E Office; Housing Authority; Office of Community Development; Tri-CAP	LISC/New Ecology Green Retrofit Initiative.			X	X			

Why did we do it?

- Decision making tool
- Support for funding requests
- Roadmap for the future
- Communication tool



What's next?

- Review annually & update
- Reference in grant applications
- Guide actions of Energy Committee
- Implement actions



Contact

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