

STOUGHTON LOCAL ENERGY ACTION PROGRAM WORKING GROUP MEETING

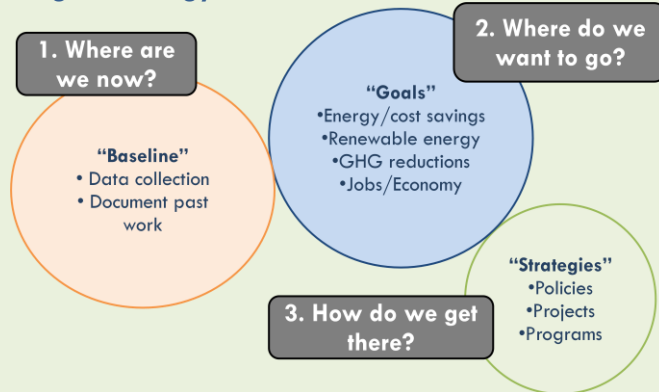
The Metropolitan Area Planning Council (MAPC) is a regional planning agency serving the people who live and work in the 101 cities and towns of Metropolitan Boston. Our mission is to promote smart growth and regional collaboration. We work toward sound municipal management, sustainable land use, protection of natural resources, efficient and affordable transportation, a diverse housing stock, public safety, economic development, an informed public, and equity and opportunity among people of all backgrounds. Our regional plan, "MetroFuture," guides our work and engages the public in responsible stewardship of the region's future.

What is LEAP?

Mission: To help cities and towns create and implement local energy action plans over two years.

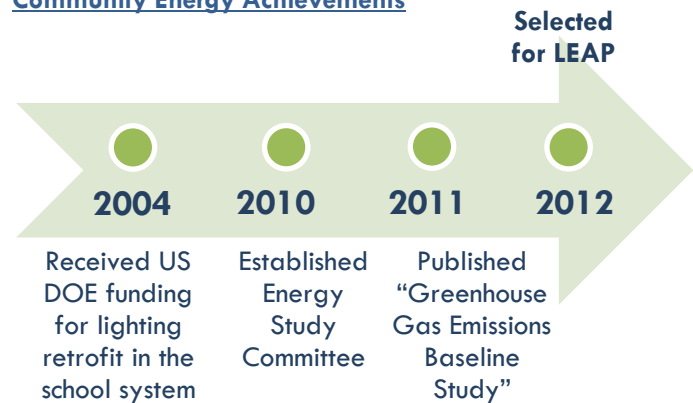


Stoughton Energy Action Plan: 3 Parts



WHERE ARE WE NOW?

Community Energy Achievements



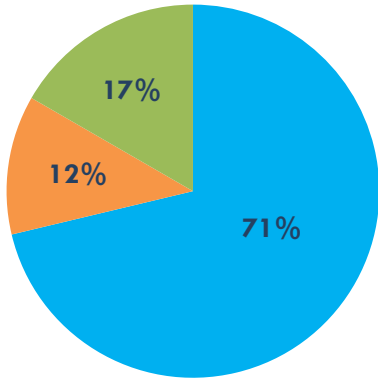
Greenhouse Gas Emissions Baseline Study:

- Reviewed Stoughton 2009 GHG emissions, water consumption, and wastewater and solid waste generation
- Identified largest source of GHG emissions and resource consumption
- Provided recommendations to town leadership and parties interested in reducing Stoughton's GHG footprint and resource consumption

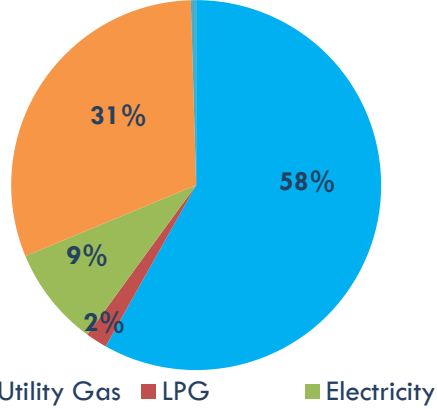
Past Energy Action	Municipal Sector	Residential Sector	Commercial, Industrial, Institutional Sectors
Committed Staff/Volunteer Time	●	●	?
Tracking of Energy Consumption	●	●	?
Energy Goals & Commitments	●	○	?
Renewable Energy Projects	○	○ ?	● ?
Energy Efficiency Projects	●	● ?	?
Outreach and Educational Programs	●	○ ?	?
Local Cleantech Industry	-	-	○ ?

RESIDENTIAL SECTOR

Housing Types



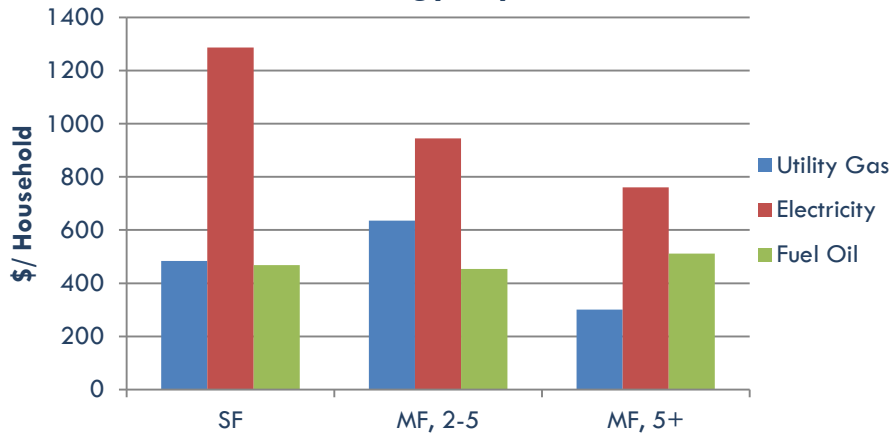
Primary Heating Fuel



■ SF ■ MF, 2-5 ■ MF, 5+

■ Utility Gas ■ LPG ■ Electricity
■ Fuel Oil ■ Other

Residential Energy Expenditure Per Household



Residential Annual Energy Consumption:

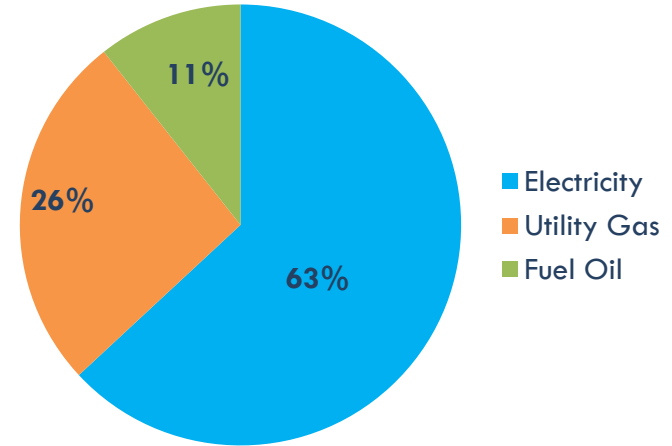
Electricity: **84 million kWh**
 Natural gas: **3.4 million therms**
 Heating oil: **110 thousand gallons**

Residential Annual Energy Expenditures: \$23 million

COMMERCIAL SECTOR*

Type	# Establishments	# Employees
Food Sales	19	340
Food Services	56	1,090
Outpatient Care	56	595
Lodging	11	399
Retail (Non-Mall)	42	1,225
Retail (Mall)	12	202
Office	270	2,272
Public Assembly	20	124
Religious	18	58
Service	82	499
Warehouse	62	887
Other	11	130
Total	659	7,821

Usage by Fuel Type



Commercial Annual Energy Consumption:

Electricity: **137 million kWh**
 Natural gas: **1.9 million therms**
 Heating oil: **56 thousand gallons**

Commercial Annual Energy Expenditures: \$17 million

* Does not include manufacturing/industrial sectors, in which Stoughton has an additional 1,530 jobs and 49 establishments