

Cumberland Climate Action Team

Affiliate of Sierra Club

Vision: Reduce carbon footprint of Town of Cumberland by 50% by 2030, in line with Paris Climate Accord

2016 Goals:

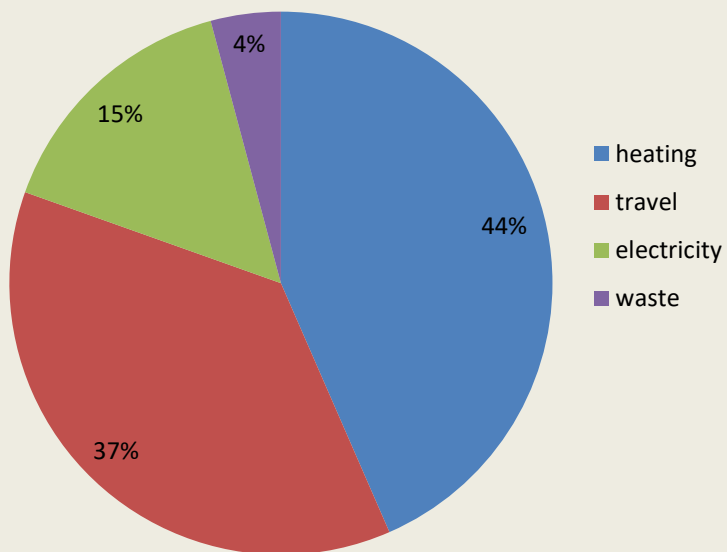
- Estimate baseline carbon footprint for 2015
- Work with MSAD 51 to develop Climate Action Plan
- Build website to inform and engage community



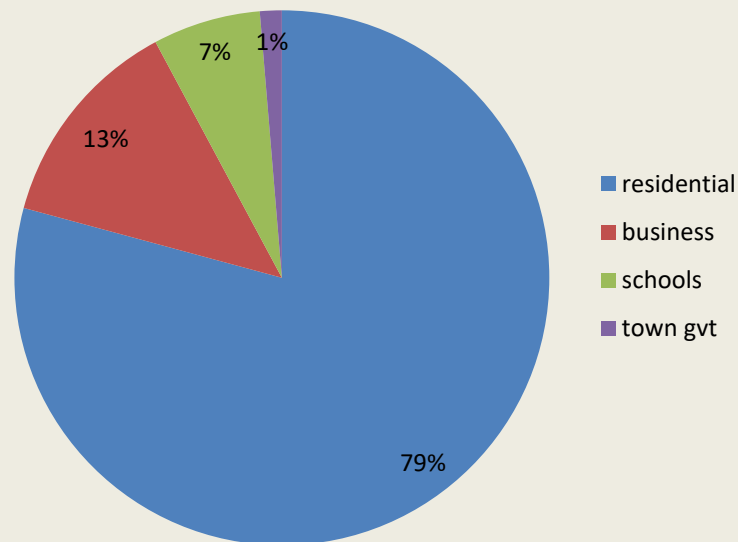
Baseline Carbon Footprint 2015

(66,129 metric tons = 100%)

by End Use

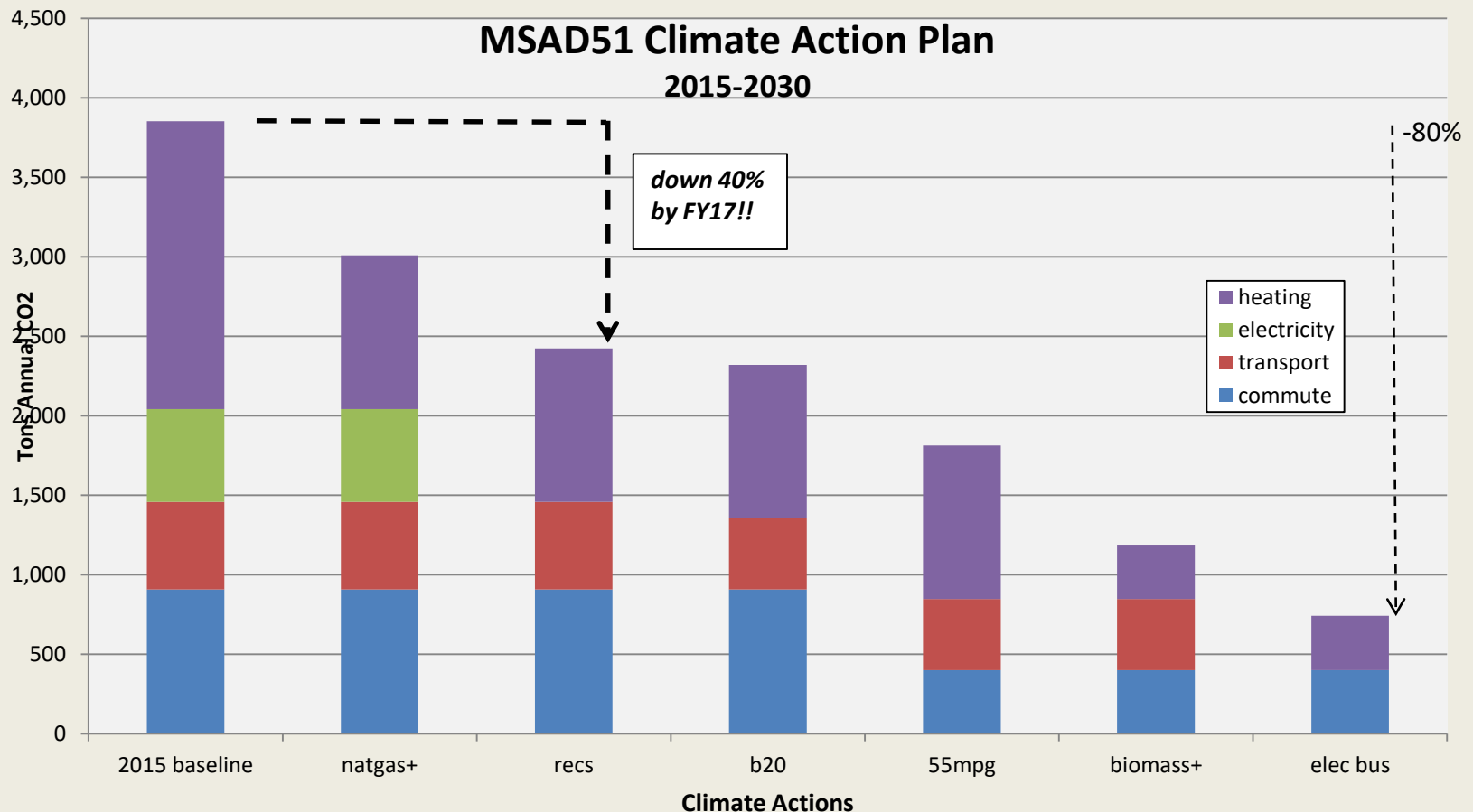


by Sector



MSAD 51 off to fast start on climate action plan

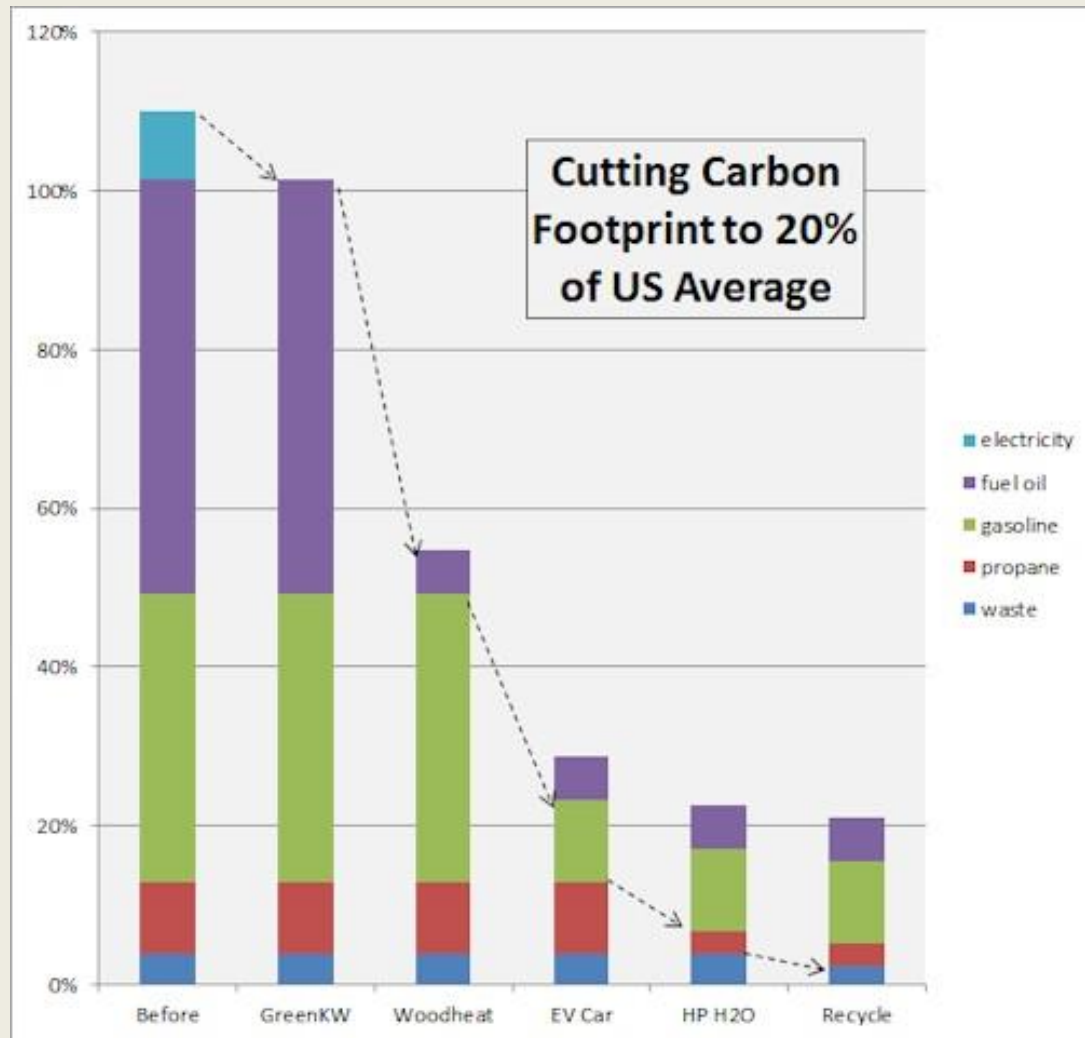
- natural gas/efficiency projects
- 100% carbon free electricity via RECs
- EV charging stations



CCAT's challenge is outreach to 2,700 residential households in Town

- Switch to carbon free electricity
- Deploy air source heat pumps
- Winterize older homes
- Consider PassivHaus for new construction
- Phase in EV, PHEV vehicles
- Etc.

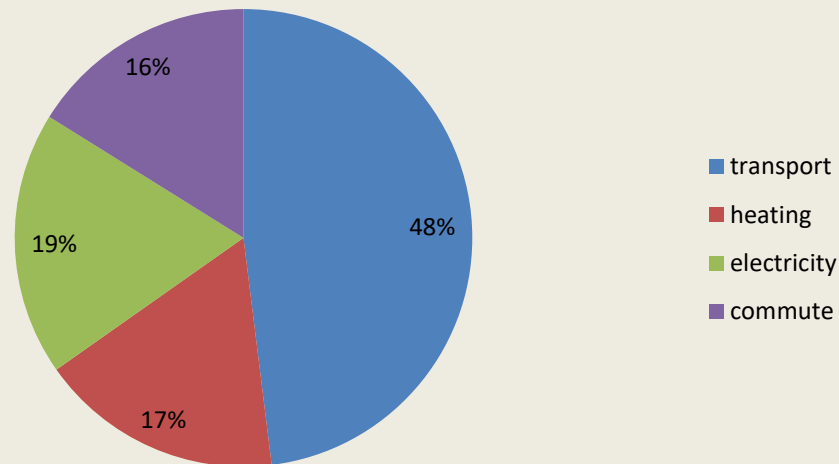
Average Maine household can “easily” cut carbon emissions by 80% with existing technologies and save money . . .



Town government has small carbon footprint, mostly in transportation fuels . . .

Town Government Carbon Footprint

(837 metric tons = 100%)



In fact, town-owned woodlands now act as carbon sink of up to 5,000 tons CO₂e per year – creating carbon neutrality and revenue opportunity.

CCAT seeks to build on actions outlined in 2009 Comprehensive Plan – e.g.

- Explore the use of alternative energy sources for town and schools
- Consider adopting building codes to promote Leed Certified or other similar programs
- Promote the use of fuel efficient, alternative fuel, electric and/or plug-in hybrid vehicles for residents as well as town and school vehicles
- Explore ways to provide local alternative fuel stations, including electricity

Climate Actions Town Council might consider . .

- Professionally manage town-owned woodlands to maximize carbon uptake/sell carbon offsets
- Be early adapter on EV, PHEV vehicles
- Switch to carbon free electricity via RECs/community solar farm
- Provide education/outreach to 2,700 households in town