Agawam Cooler Community Challenge | May 23rd, 2019

# Carbon Pledge

This sheet helps you choose among potential actions by telling you which actions can lead to the biggest savings in enery and money. Please note that CO2 and $ estimates are based on assumptions of average energy consumption and fuel prices, and are not intended to be exact.

| | | | |
|---|---|---|---|
| First Name: | | Participant: | |
| Last Name: | | | |
| Phone (opt): | | | |
| E-mail: | | | |
| Street: | | | |
| Town: | | | |
| ZIP Code: | | | |
| School | | | |

| Current top energy using activities: | | | Carbon saving solutions you plan to do o | | | Points | $/Yr |
|---|---|---|---|---|---|---|---|
| **Household facts** | | T1 | | | | | |
| Number of occupants | | 1 | Preregistered? | No | | 0 | |
| Year home built or renovated | | | Fair attendance | Yes | 1 | 50 | |
| Own/Rent | | 1 | | | | | |
| Do you receive or qualify for fue | | 1 | | | | | |
| Have you had a home energy au | | 1 | Sign up for a free energy audit | No | 1 | | |
| **Electricity use** | | T2 | | | | | |
| Name of your electric company | | 2 | Switch to renewable energy on n | | 2 | | |
| Average monthly electric bill | | 2 | Join a community solar program | | 2 | | |
| # of non-energy-efficient bulbs | 25 | 2 | Replace with LEDs this year (free | Half | 2 | 1156 | $246 |
| **Home heating and cooling** | | T3 | | | | | |
| Well insulated/weatherized? | | 3 | Insulate and/or air-seal the hom | | 3 | | |
| Programmable thermostats | | 3 | Install Programmable Thermosta | | 3 | | |
| | | | Programming assistance | | | | |
| **Heating and Cooling systems** | | T4 | | | | | |
| Heating system type | | | Sign up for free heating system a | | | | |
| Heating system age | | 4 | Upgrade to efficient boiler/furna | | 4 | | |
| Primary heating fuel | Fuel Oil | 4 | | | | | |
| Air conditioning | | 4 | Install air-source heat pump(s) | | 4 | | |
| Air conditioning system age | | | | | | | |
| **Water Heating** | | T5 | | | | | |
| Water heater type | Electric | 5 | Sign up for free hot water assess | | | | |
| Age | >20 | 5 | Replace existing water heater w/ | Yes | 5 | 1587 | $337 |
| **Solar-power** | | T6 | | | | | |
| Home Solar Potential | | 6 | Sign up for free solar assessment | | | | |
| Existing solar array? Size (kW) | | 6 | Install solar panels in 2017, with | KW capacity: | 6 | | |
| **Home Appliances** | Energy Star? | T7 | | | | | |
| # refrigerators in home | | 7 | Replace refrigerator with Energy | | 7 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Approximate age | | 7 | | | | | | |
| Washer | | | Upgrade washer to Energy Star n | | 7 | | | |
| Washer approximate age | | | | | | | | |
| # hot water wash loads/week | | 7 | | | | | | |
| Cold water wash loads | | | Cold water wash loads | | | | | |
| Line or rack dry loads | 0 | | | | | | | |
| # dryer loads each week | 0 | 7 | Switch to line or rack drying | | 7 | | | |
| | | | | | | | | |
| Extra fridge or freezer in use? | | | Sign up for extra refrigerator pick | | | | | |
| | | | Unplug extra fridge temporarily | | | | | |
| | | | Use smart power strips to kill pha | | | | | |
| | | | Use electricity monitor to find er | | | | | |
| | | | | | | | | |
| **Transportation** | | T8 | | | | | | |
| Automobiles used most | | | Replace with: | | | | | |
| # miles per hear driven (primary | | 8 | Reduce miles by: | | 8 | | | |
| Miles per gallon for primary vehicle | | 8 | New Car 1 (in 2017) | | 8 | | | |
| Car 2 | | | Reduce Car 2 mileage by: | | | | | |
| | | | New Car 2 (in 2017) | | | | | |
| | | | | | | | | |
| | | | How will you try to do it? (check all that apply) | | | | | |
| | | | Carpooling to/from work | | | | | |
| | | | Train/Bus/Public transportation | | | | | |
| | | | Telecommute (work at home) | | | | | |
| | | | Bike to work when possible | | | | | |
| | | | Bus/bike/walk to school or withi | | | | | |
| Enter total number of flights for all family members: | | | Carpool regularly to children's ac | | | | | |
| (Typical distance assumed is Boston->Denver round-trip) | | | | | | | | |
| Number round-trip flights total | | | Reduce flights by | | | | | |
| Buy carbon offsets for flights | | | Buy carbon offsets for flights | | | | | |
| | | | | | | | | |
| **Eating** | | | | | | | | |
| Family meals served in a typical week, with main course of the items below. Can including breakfasts, lunches, dinners, or just dinners. Will be multiplied by family members to estimate servings | | | For the coming year, how could food consumed in your family meals change to lower emissions? Total should be same as current number of meals | | | | | |
| Beef/Lamb/Pork | | | Beef/Lamb/Pork | | | | | |
| Chicken/Turkey/Fish/Seafood | | | Poultry/Cheese/Fish/Seafood | | | | | |
| Vegetarian (w/ cheese, eggs) | | | Vegetarian (w/ cheese, eggs) | | | | | |
| Vegetarian/Vegan (non-dairy) | | | Vegetarian/Vegan (non-dairy) | | | | | |
| | | | | | | | | |
| **Reduce/Reuse** | | T9 | | | | | | |
| When possible, how often do you: | | | When possible, will you: | | | | | |
| Use refillable containers (bags,r | | | Use refillable containers (bags,m | | | | | |
| Buy to minimize packaging (bulk | | | Buy to minimize packaging (bulk, | | | | | |
| Buy items made from recycled r | | | Buy items made from recycled m | | | | | |
| Buy/sell used goods (Craig's list, | | | Buy/sell used goods (Craig's list, | | | | | |
| Compost organic and paper was | | 9 | Start a home compost pile | | 9 | | | |
| | | | | | | | | |
| **Yard/Landscaping** | | | Sign up for low maintenance law | | | | | |
| Lawn size sq ft (typ. 8000) | | | Reduce lawn size by square feet | | | | | |
| Mower type | | | Lower frequency of mowing | | | | | |
| Mowing frequency (summer) | | | Replace gas mower with manual | Yes | | | | |
| Fertilizer applications per year | | | Reduce number of fertilizer applications to: | | | | | |
| Leaf cleanup | | | Use rake or electric blower for cl | Yes | | | | |
| | | | | | | | | |

| School affiliations: | Check all which apply: | | Grand total | 2,793 | Savings/year: | $408 |
|---|---|---|---|---|---|---|
| Alcott | | | Potential Impact: | | | |
| Thoreau | | | Tons of CO2 per year | 1.4 | | |
| Willard | | | Number of trees | 56 | | |
| CMS | | | | | | |
| CCHS | | Privacy Notice: | | | | |
| Nashoba Brooks | | Information collected through the Cooler Concord Fair and ongoing initiative will not be shared with any third parties, and can be used for the following purposes only: calculation of points to show the relative values of different measures; or used by Town of Concord staff or members of the Comprehensive Sustainable Energy Committee to assist participants in with follow up actions in the areas they have selected. | | | | |
| Fenn | | | | | | |
| Concord Academy | | | | | | |
| Middlesex | | | | | | |
| Other: | | | | | | |