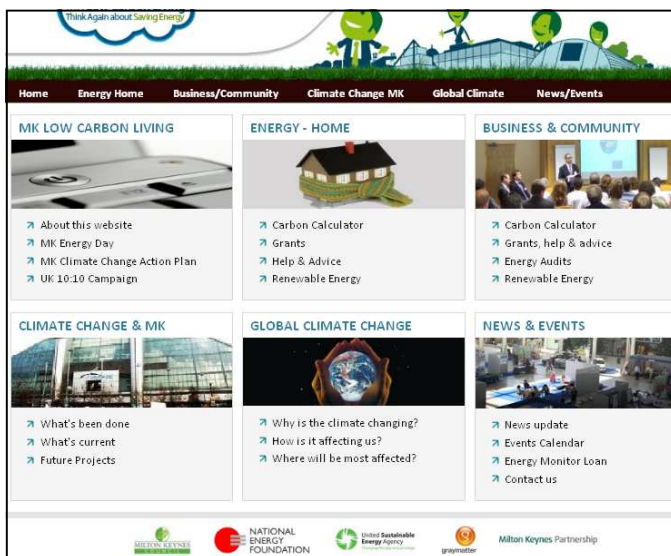


## Web Enabled Carbon Calculator

### Milton Keynes Carbon Reduction Web Program MK Low Carbon Living



#### Client:

Milton Keynes Council

#### Completion date:

March 2010

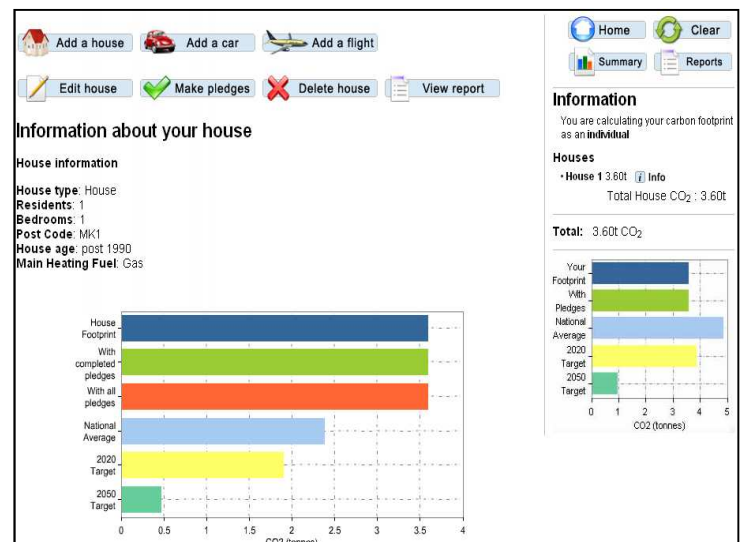
#### Project scope:

- Design & develop a carbon calculator for individual users
- Design & develop a carbon calculator for business users
- Provide benchmarking against national indicators
- Bespoke report for carbon footprint management
- Encourage pledge actions to reduce carbon footprint

### Project Description:

This project for Milton Keynes Council sought to expand the Local Strategic Partnership's long term climate change campaign within Milton Keynes, designed to engage individuals, communities, businesses and organisations in addressing the issues of Climate Change, and specifically in relation to reducing CO<sub>2</sub> emissions.

The National Energy Foundation (NEF) was commissioned by Milton Keynes Council to design and develop carbon calculators for individuals, communities, businesses and organisations.



Both householder and business carbon calculators were successfully launched on 25<sup>th</sup> March 2010, together with the redesigned MK Low Carbon Living website: <http://www.milton-keynes.gov.uk/mklowcarbonliving/>.

## Project Outcome:

- Produced a one-stop-shop website for climate change/energy related information for local residents hosted on the Council's website;
- Website carbon calculators and pledging mechanisms (in particular both Business & Household Calculators)

## Implementation:

NEF was commissioned to take further actions on Milton Keynes Carbon Reduction Programme, including:

- Redesigning the ThinkAgain! website and creating a new MK Low Carbon Living website;
- Adding more facilities to the existing web page, including carbon footprint calculation and customized pledges;
- Monitoring of carbon savings by individuals and businesses and publishing them on the web;
- Extending the Think Again project by helping local businesses.

## Project Benefit:

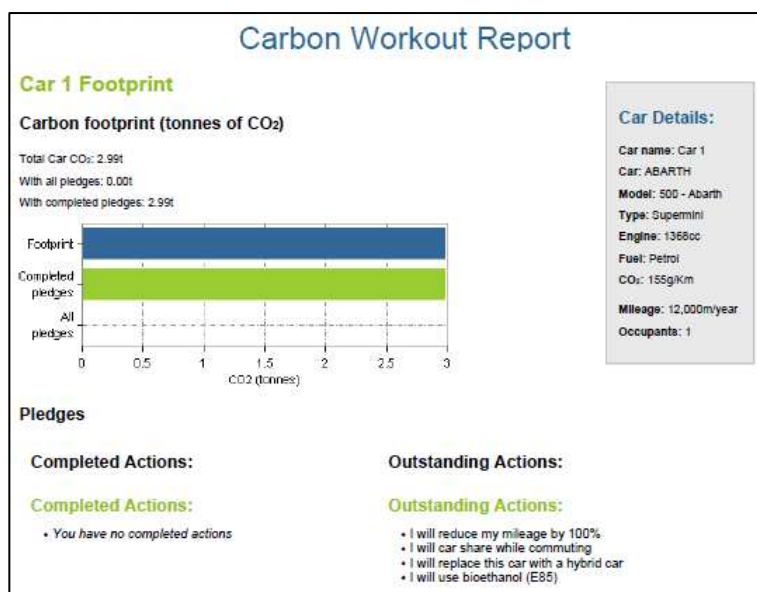
- The Carbon Calculators were designed to help you calculate your carbon footprint, discover where your CO<sub>2</sub> comes from and learn easy ways to reduce your CO<sub>2</sub> emissions.
- It also provides the opportunity for a local residents and businesses in Milton Keynes to make pledges to reduce their footprint.

## NEF's Added Value:

NEF's unique position in the energy efficiency and renewables sector, enables us to provide independent and unbiased advice to a variety of different organisations. NEF's consultants undertake feasibility studies, strategic reviews and provide policy advice to businesses, local authorities and developers. In addition to this consultancy work, NEF is frequently involved in delivering projects through partnerships with other providers. Please visit our website at [www.nef.org.uk](http://www.nef.org.uk) to find out more.

### Features of the calculator:

- Registering and login
- Calculation of a carbon footprint (Incl: individual home energy use & general travel for both business and home)
- Facility to record home energy consumption (Incl: electricity, gas, LPG, oil, solid fuels etc)
- Facility to record vehicle mileage (Incl: Car, Flight, Train)
- Components of the carbon footprint (Incl. Space Heating, Water Heating, Lights & Appliances and Travel)
- Comparison with national averages (Incl. Home Use and Work Travel)
- Generation of a specific reduction report (Incl. Home Use & Work Travel)
- Menu of customised pledges with facility to select one or more (Incl. Home Use and Work Travel)
- Facility to record when pledges complete with reminder service (Incl. Home Use and Work Travel)
- Facility to illustrate savings made by completed pledges (Incl. Carbon, Energy, Cost for Home Use and Work Travel)



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