

Dear CarbonBuzz User,

We would like to thank all those who have registered with CarbonBuzz and for the contributions being made to raise the awareness of carbon emissions from buildings.

Our membership has grown to over 220 organisations and we are now hosting energy use data for over 180 projects. We have received great feedback on the usability and relevance of the site which informed our winning bid for funding from the Technology Strategy Board. This has matched the project partners' £375K investment in a three-year programme of development which began in March 2010 with the implementation of new functionality features – details of these on the right. Some of your comments on functionality have been addressed over the last 2 months and we will continue to implement more over the summer. We are also planning to hold workshops in September to update users on the platform developments and related industry activity. Check out the new site updates at: [www.carbonbuzz.org](http://www.carbonbuzz.org)

Please continue to email us your thoughts and comments - [info@carbonbuzz.org](mailto:info@carbonbuzz.org).

Many Thanks

The CarbonBuzz Team

AECOM



RIBA

Aedas

bre

UCL

XCO ENERGY

FeildenCleggBradleyStudios

Davis Langdon

Autodesk

## NEW DEVELOPMENTS

The partner group welcomes Davis Langdon's Sustainability and Management Group who will be supporting Aedas with project management, allowing Aedas R&D to focus on content and users.



### Unregulated energy use

The site will better support the capture and forecasting of unregulated energy use, which can account for over 50% of a building's energy consumption.



### Multiple energy records

The key areas of development will involve allowing users to save more than the current two states of data. Besides 'Design' and 'Actual' it will be possible to store many versions of the data, be it a compliance calculation for Part L or a full energy calculation.



### Managing your portfolio

We are also creating tools to manage larger portfolios and search and analyse the database of projects online.



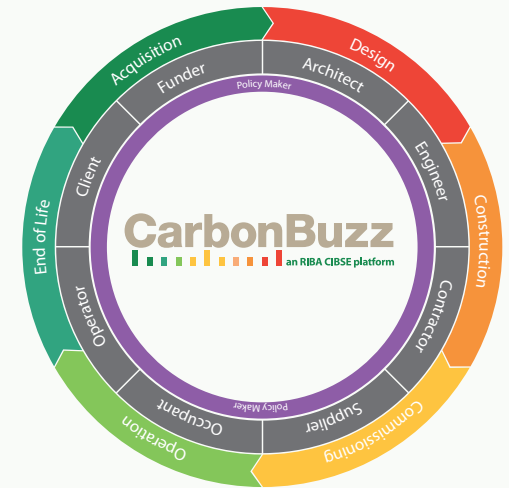
### Comparative analysis

We are developing outline tools to allow users to analyse the anonymous database and make broader comparisons between their portfolio and others'.



### CarbonBuzz API

Autodesk will be helping us develop ways to link sustainable design, analysis, measurement and carbon management software with CarbonBuzz.



The Technology Strategy Board funding will allow us to widen the platform's reach to include landlords, developers, local authorities and facilities managers so that we can provide a clear reporting structure for energy consumption over a building's lifecycle. To better understand broader industry needs we have begun to engage stakeholders both directly and through professional associations, such as the Carbon Trust, Partnership for Schools and local government.

The feedback we have received so far is that the building industry is burdened by the multiple metrics of CO<sub>2</sub> emissions from planning to building control to operation. Despite increased legislation, the awareness of actual CO<sub>2</sub> emissions and benchmarks remains relatively low and compliance calculations for Part L and EPCs are still largely treated as 'forecasts'. CarbonBuzz campaigns to highlight the gap between these full energy models and actual emissions. The project enjoys the support of the Carbon Trust and CIBE and it's Steering Group membership is growing rapidly.

## CALL FOR POEs

The Technology Strategy Board's competition for Building Performance Evaluation will allow data gathered from case studies to provide much needed evidence of real consumption trends and contributing factors. This initiative will inform future benchmarks and policy and is a great opportunity for CarbonBuzz members to develop case studies. Up to £8 million of funding has been committed for this competition to enable companies developing, building and operating domestic and non-domestic buildings to apply for funding to monitor building performance, and conduct post-occupancy evaluations. It will enable comparison with predicted performance, and provide a feedback loop for future projects. The first call closed on 10 June 2010 but the competition will be open on an ongoing basis with calls every three months.

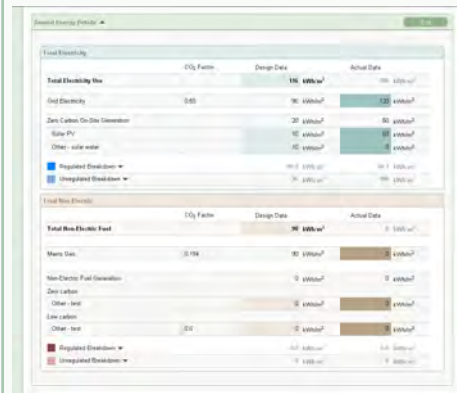
For more details on the brief and application process, go to: <http://www.innovateuk.org/content/competition/building-performance-evaluation-ashx>

## REGULATORY BURDEN

Lord Marland, Minister at DECC, recently wrote to a number of bodies asking for proposals to reduce the regulatory burden relating to energy and climate change. Carbon Buzz has responded by arguing that there is a need for more efficient, effective regulation that is more closely aligned and co-ordinated throughout a building's life-cycle, and is properly enforced. Whilst this may lead to a reduction in regulation, a clearer and more coherent regulatory structure would reduce the costs of compliance as well as reducing the costs of administration and enforcement.

## SITE UPDATES

- Project details have been updated in order to better capture occupancy and floor area information for future analysis
- The 'source of data' has become a mandatory field so that it is now possible to see which data has been generated by Part L calculations, EPCs and so on
- Self-registration is now possible
- CO<sub>2</sub> emissions totals now include unregulated energy
- Unregulated energy use has been brought into the foreground and is now displayed next to the regulated energy use as shown below.



## DECs & EPCs

CarbonBuzz seeks to make meaningful energy consumption data available in the public domain to raise awareness of actual CO<sub>2</sub> emissions of buildings. Placing the data from all DECs (which are required to be displayed individually) and EPCs (anonymously if required) into the public domain would be an important first step. Last spring CLG launched a broad consultation on possible changes to the access to data generated under the Energy Performance of Buildings Regulations, and CarbonBuzz submitted a response.

The image shows two energy certificates. On the left is a 'Display Energy Certificate' (DEC) for a building with a total energy use of 1108 kWh/m². On the right is an 'Energy Performance Certificate' (EPC) for a property with a rating of 'E' and a score of 41.08. Both certificates include detailed energy use breakdowns and performance metrics.

Display Energy Certificate

Energy Performance Certificate