












**Our results**

The emissions figures are calculated using version 1.2.1 of the 2010 Guidelines to DEFRA/DECC's GHG Conversion Factors for Company Reporting. We use the conversion factors for carbon dioxide equivalence, which makes allowance for methane and nitrous oxide emissions as well as carbon dioxide. Some of the data below is only for certain offices, but we are looking into ways of including all three offices for all the data as soon as possible.

	2010/11	2011/12	Change	
Average Headcount	135	165	22%	
<b>Utilities</b>				
Electricity use*	150,244 kWh 89,197 kg CO <sub>2</sub> eq	157,389 kWh 93,439 kg CO <sub>2</sub> eq	4.7%	
Gas use*	171,766 kWh 34,619 kg CO <sub>2</sub> eq	124,857 kWh 25,165 kg CO <sub>2</sub> eq	-27%	
Water use**	1,029 m <sup>3</sup> 350 kg CO <sub>2</sub> eq	969 m <sup>3</sup> 329 kg CO <sub>2</sub> eq	-5.8%	
<b>Waste**</b>				
Total waste produced	9,626 kg 10,800 kg CO <sub>2</sub> eq	8,756kg 9,987 kg CO <sub>2</sub> eq	-9% -7.5%	
Recycling rate	58.8%	61.4%	-4.4%	
<b>Travel***</b>				
Business flights	73,228km (104 flights) 10,530kg CO <sub>2</sub> eq	180,879km (107 flights) 21,925 kg CO <sub>2</sub> eq	147% 2.8% 108%	
Commuting	695,888km 61,686 kg CO <sub>2</sub> eq	917,286km 76,881 kg CO <sub>2</sub> eq	31.8% 24.6%	
of which by bike or on foot	131,008km 18.8%	108,376km 11.8%	-17.2% -9%	
by bike, on foot or public transport	599,840km 86.2%	823,216km 89.7%	37.2% 3.5%	
<b>Total</b>	<b>207,183 kg CO<sub>2</sub> eq</b>	<b>227,726 kg CO<sub>2</sub> eq</b>	<b>9.9%</b>	

\*London & Cambridge offices \*\* London Only \*\*\*All three offices.

# MF ENERGY TRACKER: PRESENTATION TO PROJECT COORDINATORS

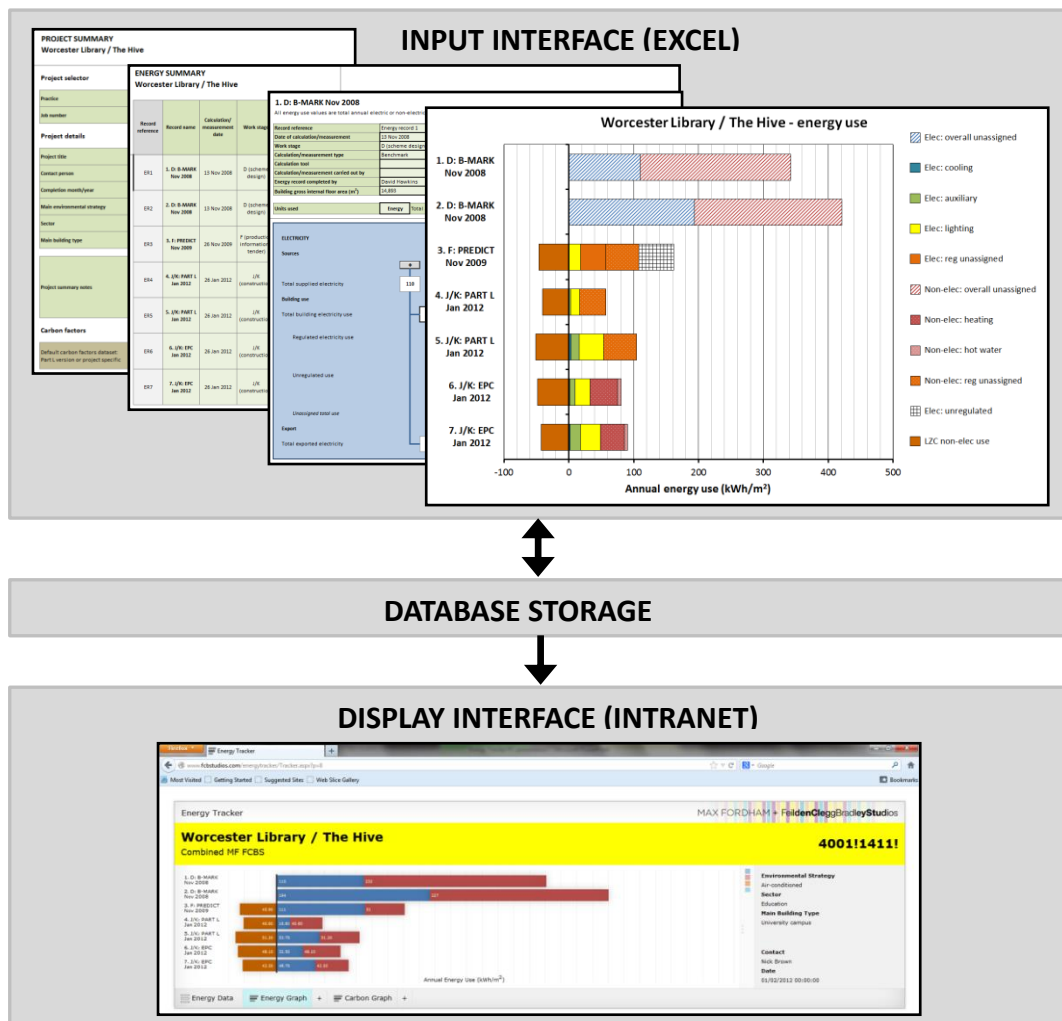
27 March 2013

## The Energy Tracker team

Guy, Tamsin and David H at MF together with Feilden Clegg Bradley Studios

## Overview

The Energy Tracker is a system that allows project-related energy use calculations and measurements to be recorded simply and consistently for analysis within and across projects. The system comprises an Excel-based interface for inputting energy data, a central database for storage and a web-based (intranet) interface for displaying and reporting the energy data.



## Uses of the Energy Tracker

- Tracking energy calculations and measurements within projects
- Analysis of energy performance across projects
- Marketing and PR: project write-ups; awards submissions; demonstrating leadership
- Contribution to QA: use in project reviews; ISO14001 accreditation
- Providing data for internal R&I projects and external reporting e.g. CarbonBuzz

### **Energy data input**

Energy records will be added each time new data becomes available e.g. design targets, stage reports, planning submissions, Part L calculations, EPCs, DEC's, in-use meter data. It is intended that the tracker will be updated by the respective engineer with the process overseen by the Project Coordinators.

### **Tracker development timeline**

*March* Completion of the beta version

*April* Initial rollout and testing period

*May* Incorporation of initial feedback and completion of the display interface

*June* Presentation to the practice and practice-wide rollout

### **Initial rollout (April/May 2013)**

The principal aims of the initial rollout are to test 'live' use of the Energy Tracker, to receive user feedback prior to the full rollout and to allow Project Coordinators and some engineers to become familiar with the system.

The initial rollout will involve two or three projects per engineering group: at least one early stage (C/D currently) and at least one recently completed (practical completion in the past six months). Ideally projects included will have a reasonable degree of energy data available.

Proposed projects are listed overleaf; help is needed from the Project Coordinators to confirm their suitability and to identify the relevant engineers. There will then follow a more detailed presentation on the use of the system to the engineers and PCs involved.

## Initial rollout – proposed jobs

Based on data from the Job Database

Type	Job number	Job name	Group	Project engineer	Project coordinator	Stage (highest)	Month	PC date (TBC)	Value	Notes
EARLY STAGE	4603	University of Kent Library	LDN 1	Nick Brown	Tilly Sonoiki	E	Mar 13			Potential Aftercare
	4640	Heston Leisure Centre	LDN 2	Iain Shaw	James Roberts	E	May 13			Soft Landings
	4572	Kensington Academy (KALC) – leisure centre	LDN 2	Duncan Campbell	James Roberts					Soft Landings & Aftercare
	4648	St Swithun’s School	LDN 2	David Segall	James Roberts					
	4506	Kensington Academy (KALC) - academy	LDN 3	Tom Capron	James Roberts					Soft Landings & Aftercare
	4549	Trumpington School	LDN 4	Michael Pangalis	Dan O’Neill	E	May 13			
	4652	Jesus College Claremont Garages	CAM 1	Jeremy Clifton-Climas	Dan O’Neill	E	Jul 13			
RECENTLY COMPLETED			EDIN 1							
	4001	The Hive, Worcester Library and History Centre	LDN 1	Nick Brown	Tilly Sonoiki	L	Feb 13	Feb 12		Design stage data entered
	4205	Ironmonger Row Baths, Islington	LDN 2	David Segall	James Roberts	K	Nov 12	Dec 12		Links to 4640 HLC
	4100	Tate Britain Millbank Project Phase 1	LDN 3	Andrew Hutton	Sam Harvey	K	Dec 12	Dec 12		
	3894	Middle East Centre, St. Antony's, Oxford	LDN 4	Henry Luker	Simon Lovell	K	Jan 13			Refurbishment & extension
	4278	All Saints Academy, Dunstable	CAM 1	Joel Gustafsson	Dan O’Neill	L	Oct 12			
	3522	National Museum of Scotland	EDIN 1	Steve Kenicer	Jill Hamilton	L	Nov 12			Refurbishment & extension