

The Green Deal

14th September 2010

Matthew Bush – Sustainability Manager

Improving **life** together

Our action on fuel poverty



- Improve the energy efficiency of our stock
- Implement best practice in our housing management
- Engage residents and customers
- Maximise grant funding opportunities and potential partnerships in support of the above

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Getting the basic right



- Maximising energy efficiency in the most cost effective way
- &
- Making it work for the resident

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Barriers to cost effective works



- Restrictive priorities (eg. geographical focus of CESP)
- Management of multiple local authority relationships
- Competing priorities & customer choice
- Managing resident disruption and expectations
- Issues of equity and capacity of residents to participate in a PAYS / green deal
- Staff and contractor skills & knowledge

Closing the gap - making it work for residents

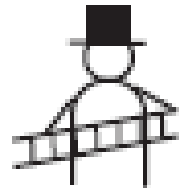
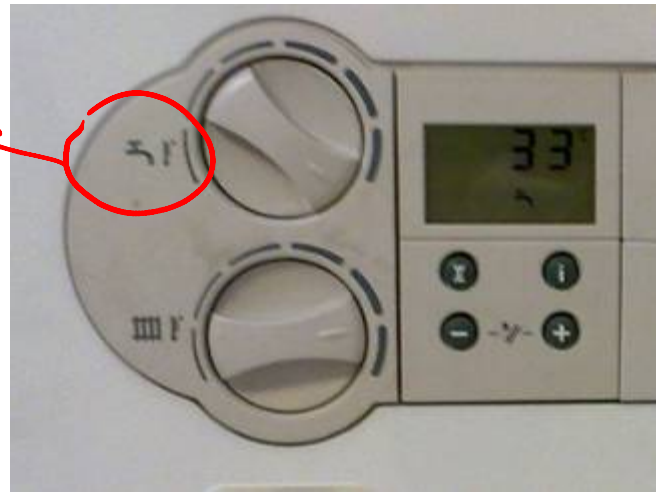
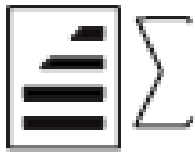


- Energy used (Angela Carter Close)
 - Electricity range 36 - 20 kWh/m²/yr ~ 1.8 fold variation
 - Gas range 146 – 41 kWh/m²/yr ~ 3.6 fold variation
 - Total range 171 - 62 kWh/m²/yr ~ 2.8 fold variation

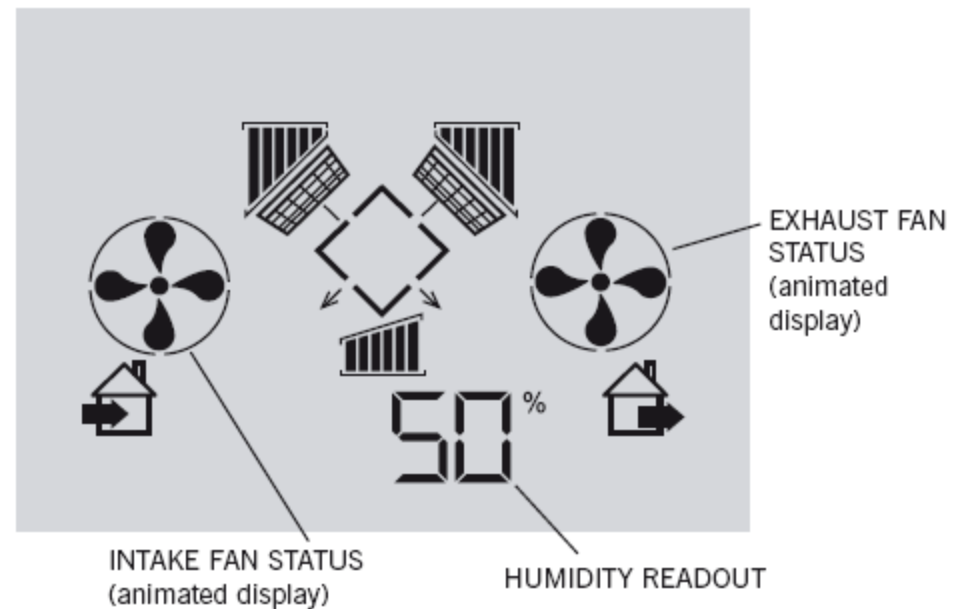
- Energy used (Corry Drive)
 - Electricity range 4,000 – 2,000 kWhrs/yr ~ 2 fold variation
 - Gas range 15,000 – 2,000 kWhrs/yr ~ 9 fold variation
 - Total 18,000 – 4,000 kWhrs/yr ~ 5 fold variation

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Controls – the good, the bad & the ugly



Sum of daily heat output
Controller in service mode
Pulse circulation is active



Better informed..

HOW IS YOUR HOT WATER HEATED?

WATER HEATED BY SUN
 If you have solar panels on your roof, you can heat your water for free. This means you can save money on your energy bills. To make the most of your solar panels, you should set your hot water heater to 'SOLAR' mode. This will ensure that the water is heated by the sun when the panels are producing energy.

WATER HEATED BY ELECTRICITY
 If you don't have solar panels, your hot water is heated by electricity. This can be expensive, so you should set your hot water heater to 'ELECTRICITY' mode. This will ensure that the water is heated by electricity when the solar panels are not producing energy.

WATER HEATED BY GAS
 If you have a gas boiler, your hot water is heated by gas. This is usually the cheapest option, but you should still set your hot water heater to 'GAS' mode. This will ensure that the water is heated by gas when the solar panels are not producing energy.

WATER HEATED BY HEAVEN
 If you have a rainwater harvesting system, your hot water is heated by rainwater. This is the most sustainable option, but you should still set your hot water heater to 'HEAVEN' mode. This will ensure that the water is heated by rainwater when the solar panels are not producing energy.

SET IT RIGHT

SET YOUR HOT WATER HEATER TO 'SOLAR' MODE

SET YOUR HOT WATER HEATER TO 'ELECTRICITY' MODE

SET YOUR HOT WATER HEATER TO 'GAS' MODE

SET YOUR HOT WATER HEATER TO 'HEAVEN' MODE

SEE OR HOT WATER - HHH-HHH-VHHH

THIS IS THE ONLY CONTROLLER (IN YOUR CUPBOARD) YOU NEED TO SET

Buttons shown in red (AUTO) help you set your hot water heater to 'AUTO' mode. Buttons shown in blue (WINTER) help you set your hot water heater to 'WINTER' mode.

SETTING YOUR HOT WATER

SETTING YOUR HEATING

SETTING YOUR THERMOSTAT

WINTER = OFF

SUMMER = AUTO

CONF = 14°C = ££££

ONCS = 12°C = ££

AUTO = 10°C = £

OFF = 0 ROOMS

The 'AUTO' setting is a easy programme for you to come on at the following times:

| | ON1 | OFF1 | ON2 | OFF2 | ON3 | OFF3 |
|---------------------|--------|--------|---------|---------|---------|--------|
| Hoodie to T-shirt | 7:00am | 9:00am | 10:00am | 11:00am | 12:00pm | 1:00pm |
| Swimsuit to T-shirt | 7:00am | 9:00am | 10:00am | 11:00am | 12:00pm | 1:00pm |
| Swimsuit to T-shirt | 7:00am | 9:00am | 10:00am | 11:00am | 12:00pm | 1:00pm |
| Sundae | 7:00am | 9:00am | 10:00am | 11:00am | 12:00pm | 1:00pm |

Set a Hot Water Heater to 'AUTO' mode. Press & hold down the 'AUTO' button for 5 seconds. The 'AUTO' mode will be activated.

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Making it work for residents



- Improve our understanding of the impact of variation in lifestyle
- Improve energy consciousness of residents
- Improve ease of use of heating controls
- Improve advice and information

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Final thoughts for a successful green deal ..



- Aim for simplicity and pragmatism
- Don't underestimate complexity of proposed interventions (for contractor & end user)
- Don't underestimate the costs
- Utilise existing delivery agents (eg. Home Improvement Agencies/ major contractors)
- Listen to the experience & knowledge within the sector
- Unlocking funding is important, but so is unlocking resident behaviour

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Matthew Bush
Sustainability Manager
matthew.bush@mht.co.uk

a  Organisation

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LEADING TO A GREEN LONDON MEMBER



Together we are Metropolitan Housing Partnership

