

ANDREW EAGLES
Managing Director
Sustainable Homes



Agenda

- National Energy Study One & Two
- E learning
- Questions and discussion

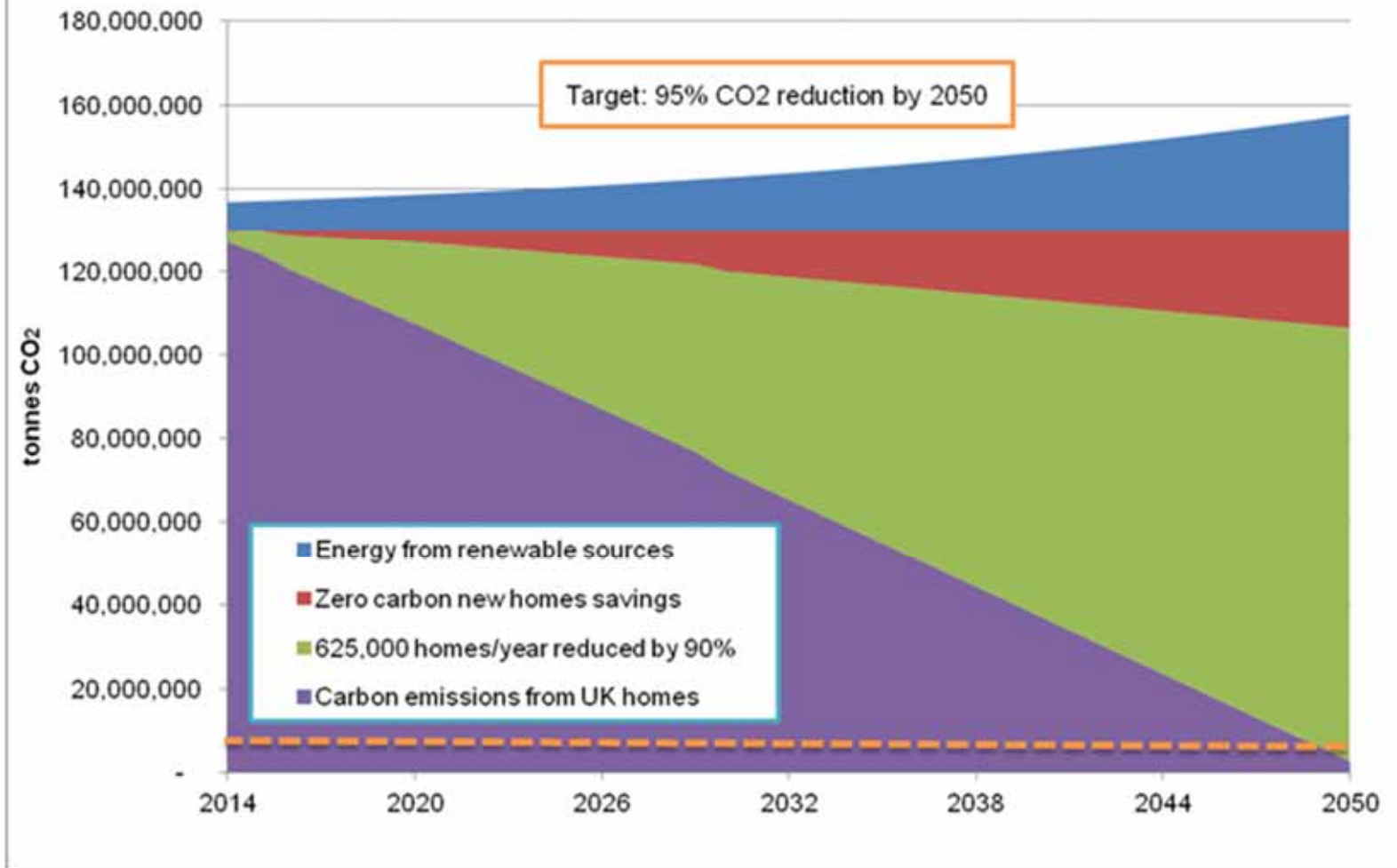


Sustainable Homes

- Established in 1997- Owned by Hastoe Housing Group
- We assist architects, residents, developers, planners, self builders, housing associations and others build or refurbish sustainably
- Training and consultancy
- We work with/involved with the: London Climate Change Partnership, WWF, UK Government, Building Research Establishment, the UK Green Building Council, Existing Homes Alliance, Greater London Authority and others



Total carbon emissions from housing



SUSTAINABLE
HOMES

Some of what we do...

- +150 landlords assessed on their eco credentials
- +350 Code for Sustainable Homes assessors trained
- Homes
 - +40,000 - risk assessed for fuel poverty
 - +350,000 - energy efficient improvement strategies
 - +1,000,000 represented in Government consultations
- Guide to the Green Deal for the HCA
- Training
 - Energy Efficiency for Asset Managers
 - Housing Quality Indicators



Agenda

- National Energy Study One & Two
- E learning
- Questions and discussion



National best practice group



- a recognised independent benchmark
- comparison with peers
- proven to reduce impacts
- influencing government
- sharing best practise
- consultancy & training at discounted rates

MAYOR OF LONDON



Department
of Energy &
Climate Change



UK GREEN
BUILDING
COUNCIL

NATIONAL
HOUSING
FEDERATION

Benchmarking can help

Areas

- Strategy and management
- Office practice
- Existing buildings
- New build

Focus on

- Adaptation and mitigation
- Resident and staff engagement
- Broader issues- materials, waste and water

Metrics created by the sector

Each year -are the questions right?



+65 organisations involved

- **Relationship management**

Dedicated specialist to discuss ideas and improvements with. Each quarter

- **Specific comparison**

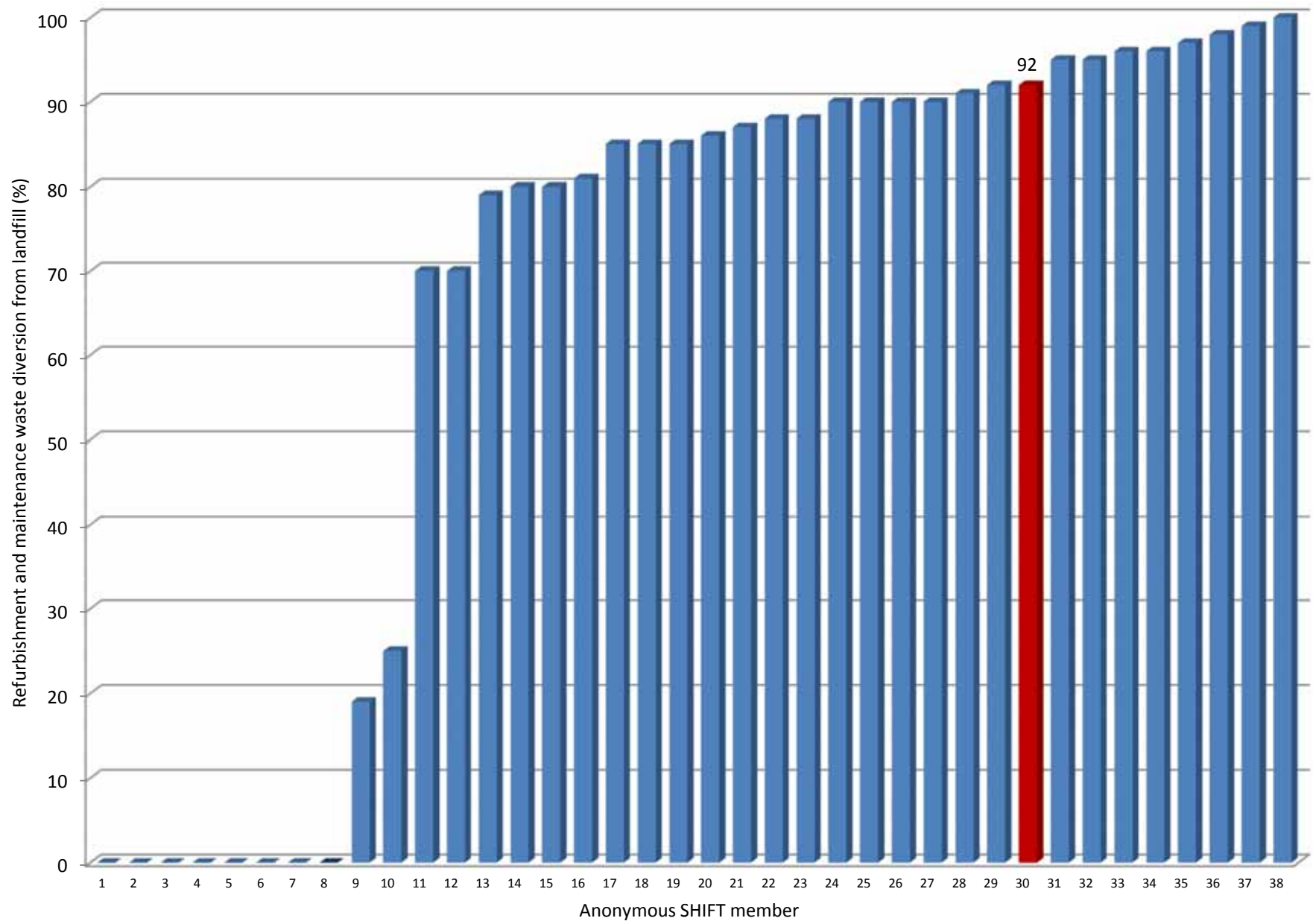
Each measure has

- ranking against peers
- best practice case studies

Metrics provide updates on your performance against focus on Government targets

- **Awards for real performance**





Help organisations to lower carbon & independent measure

- **Profile** - Certificates launched at 700 person dinner

“I’m delighted to see SHIFT members taking action to understand their impacts and, through independent assessment, working to reduce them.”

Greg Barker MP, Ex Minister of State



Benchmark your performance & improve

- Speak to Magda or myself today
- Email andrew@sustainablehomes.co.uk

Agenda

- **National Energy Study One & Two**
- E learning
- Questions and discussion





NES One

Behaviour impacts on energy use

Monitoring energy use over winter

14 associations - 40 homes each

Assessing impact of competition

Partners - Oxford University & DECC



Department
of Energy &
Climate Change



SUSTAINABLE
HOMES

Resident groups

Measure being assessed – Receiving comparisons with homes of a similar size

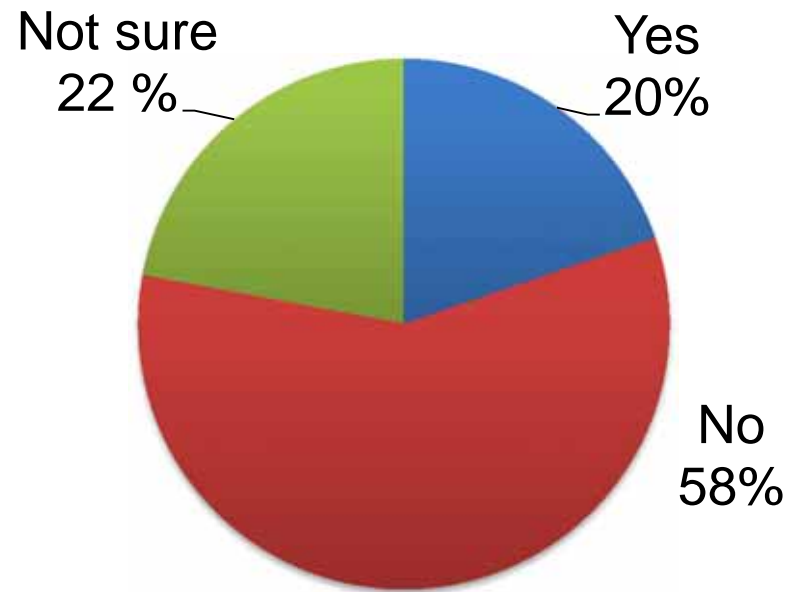
Measurement

- Self reporting for all homes
 - Incentives for involvement
- Staff read meters at start, middle, end
- Heat loggers to allow for heat preferences
- Weather allowed for with degree days

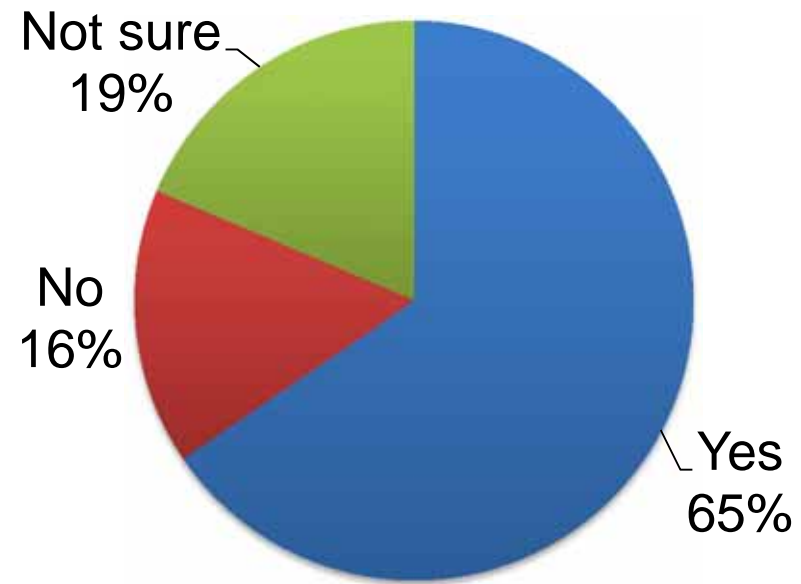


Preliminary findings

Do you know what you are paying for your electricity?



Do you know how to set your heating controls?

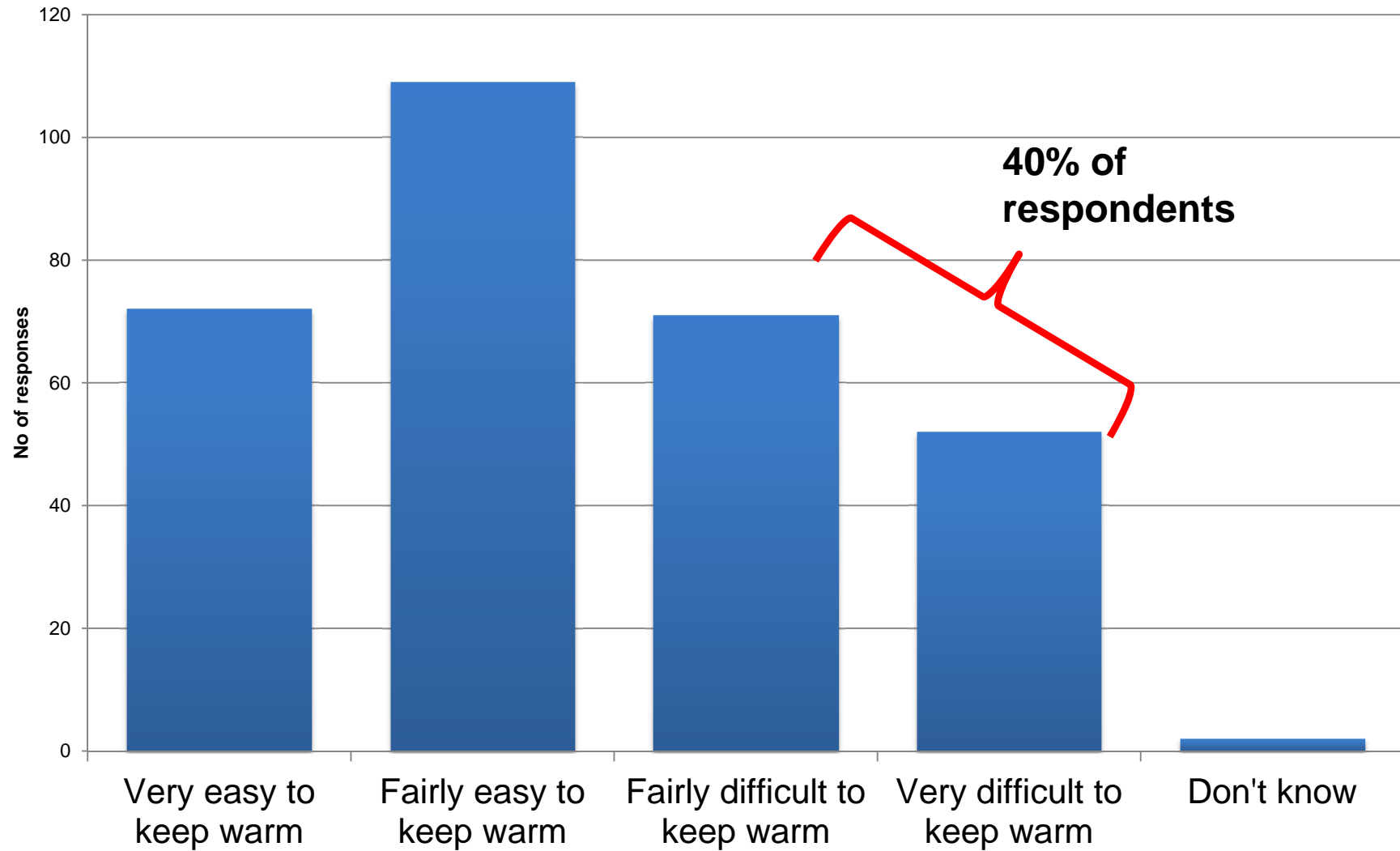


Department
of Energy &
Climate Change

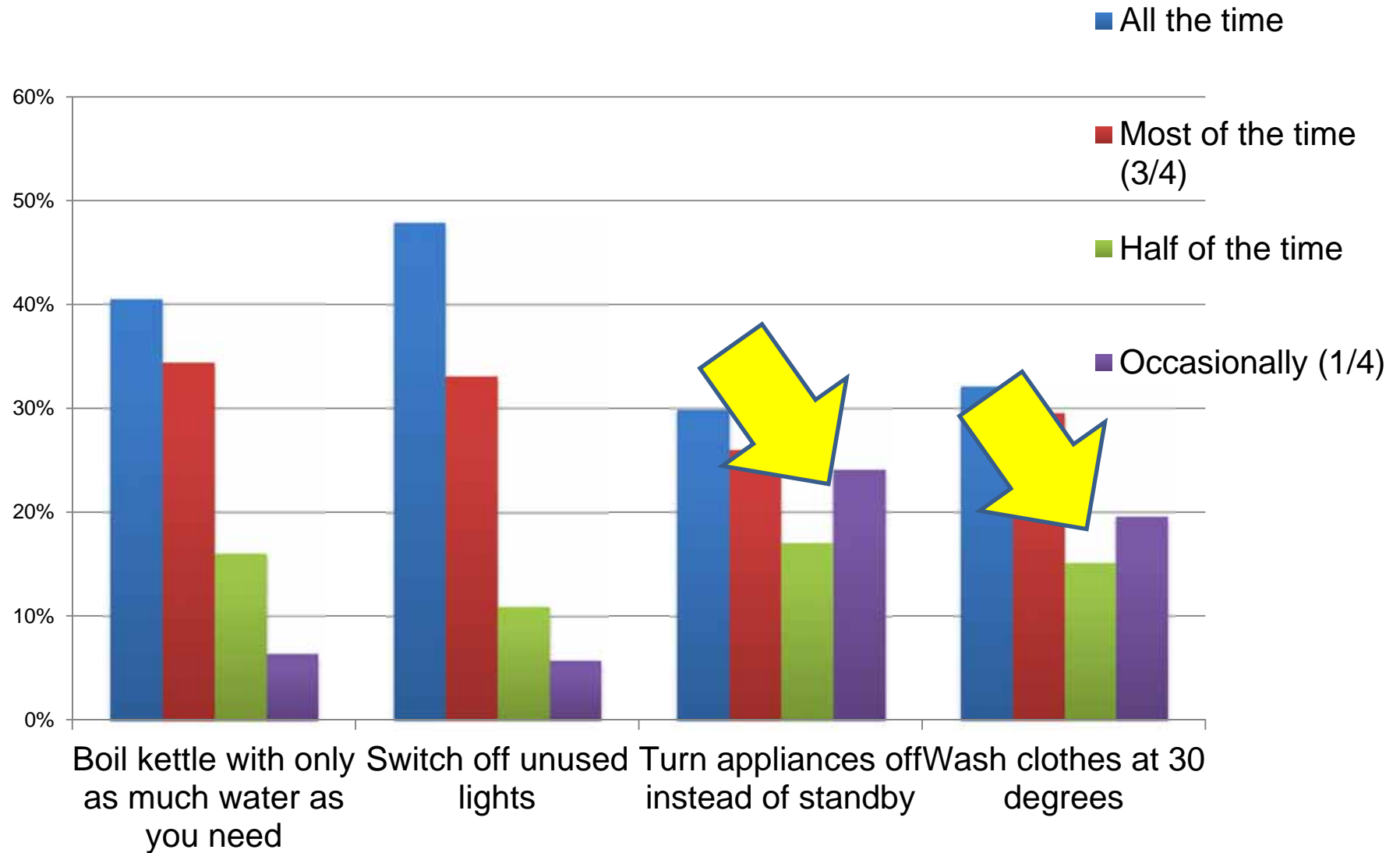


National
Energy Study

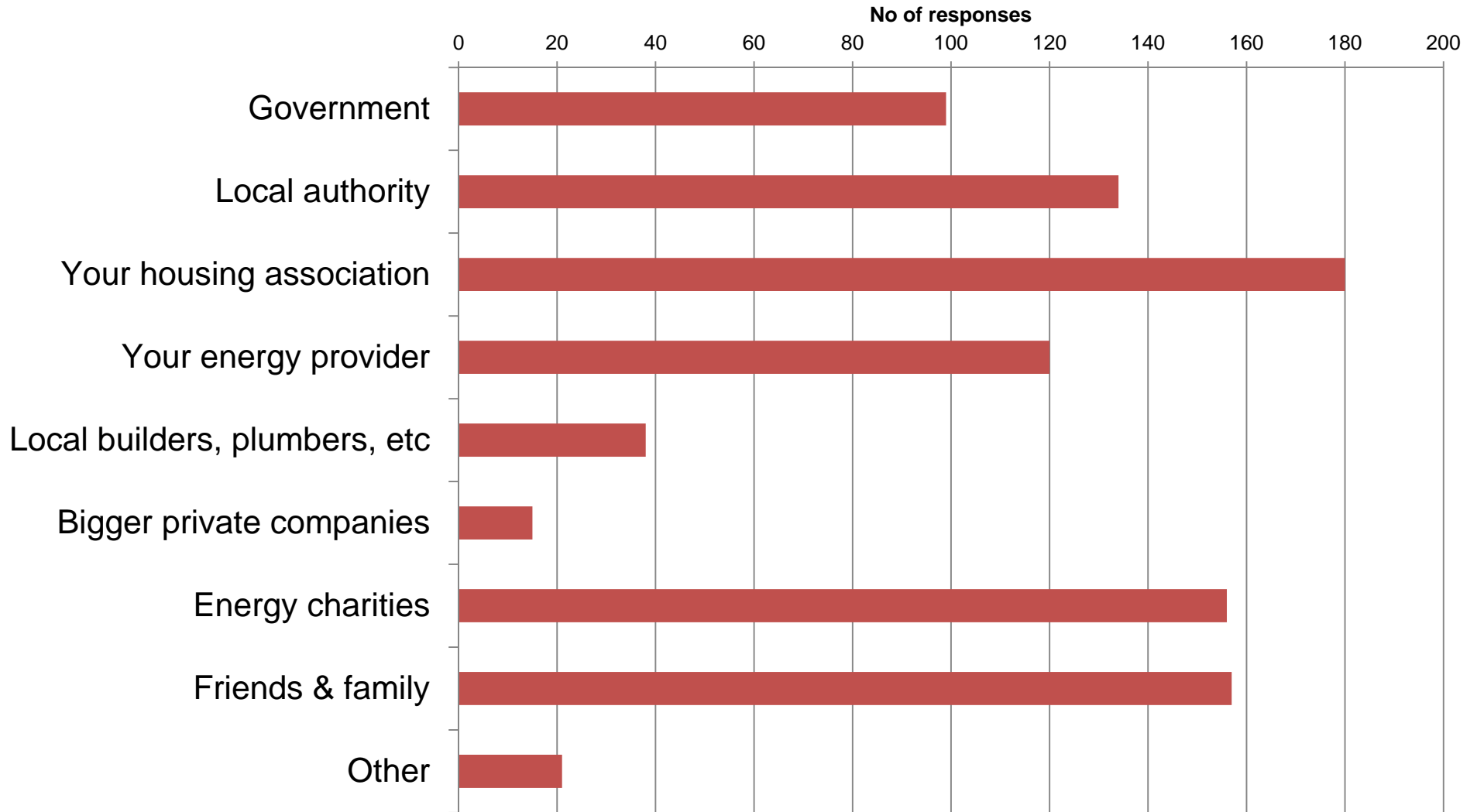
Over winter, how easy is it to keep your home warm when the heating is on?



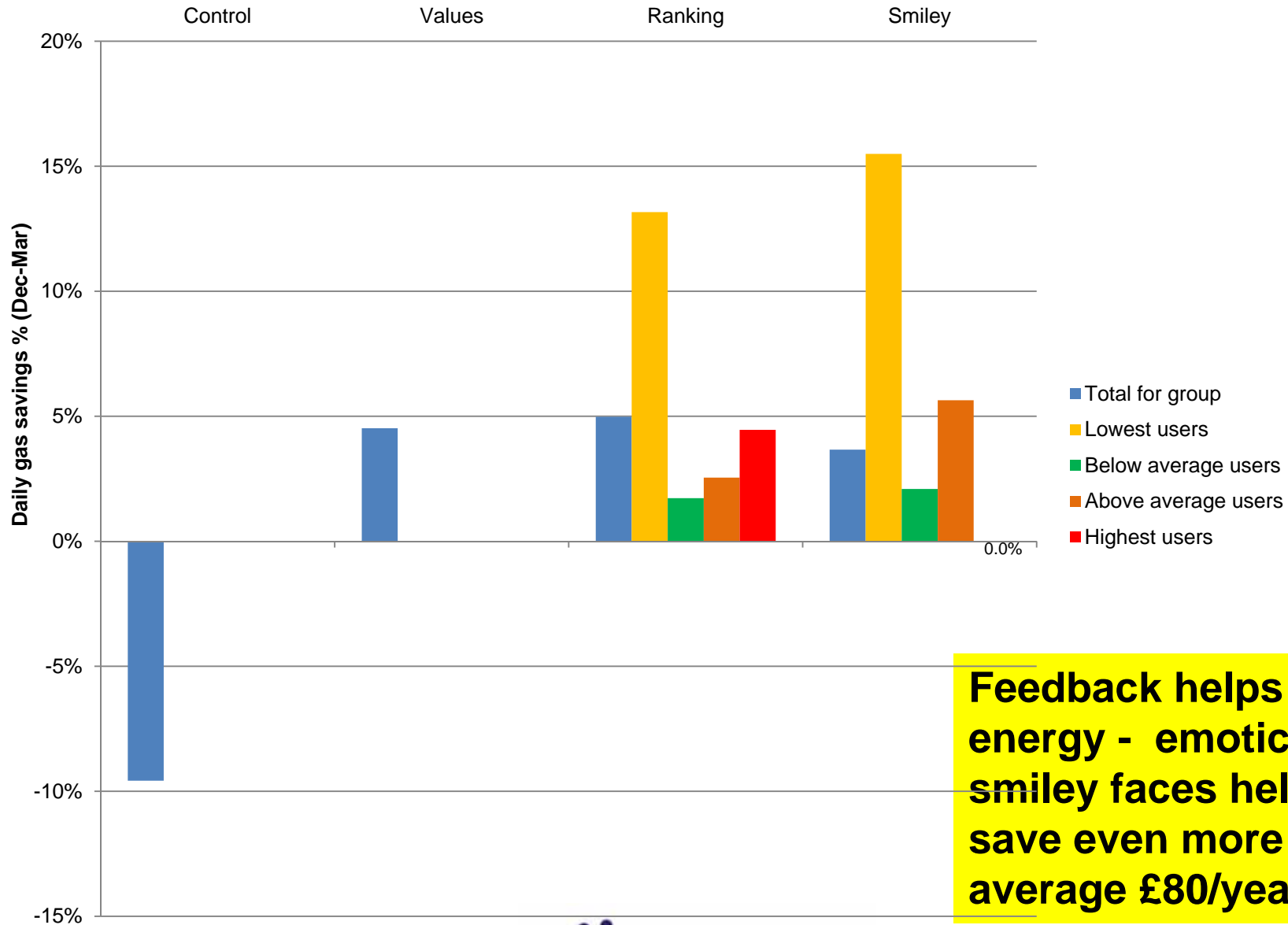
How often do people in your home carry out the following?



Who would you trust to provide energy saving advice?



Average daily gas savings (%) Nov 2013 - Mar 2014 weather compensated)



Feedback helps save energy - emoticons - smiley faces help people save even more - average £80/year

NES Two

- Same format – 50 homes/association.
14 associations
- Focus on two bed homes
- Monitoring to start in December
- Looking more in-depth at issue of
 - SAP and energy use
 - Engagement with residents – what works, what does not
- **Deadline for joining – Mid October**



Agenda

- National Energy Study One & Two
- E learning
- Questions and discussion



Training

- Some associations asked for e learning
- Specifically they wanted training that focused on
 - Background and context to fuel poverty
 - How to detect fuel poverty
 - What could be done
 - Behaviour change
 - Condensation



We developed three e-learning modules

Module 1 – Understanding Fuel poverty

- Context

- understanding fuel poverty
- previous and new official definitions
- number of people in fuel poverty
- impacts of fuel poverty

- Identifying fuel poverty

- during home visits
- using asset management checks
- hidden cases
- decision tree for taking action based on property and other information

SAP rating band	SAP rating
A	92 or more
B	81 to 91
C	69 to 80
D	55 to 68
E	39 to 54
F	21 to 38
G	1 to 20

Summary to check understanding



Module 2 - Reducing fuel poverty

- Reducing fuel poverty – improving the home
 - steps that can be taken to improve the home
 - fabric improvements,
 - renewables
 - and other steps that can be taken
- Reducing fuel poverty – energy saving tips
 - Steps residents can take to reduce fuel bills
 - Appliances, lighting and water efficiency
 - Energy saving behaviour
 - Using heating controls
- Reducing condensation
- Summary to check understanding



Agenda

- National Energy Study One & Two
- Update on E learning
- **Questions and discussion**

Your thoughts

