

Low Carbon Torbay

working together to deliver jobs, incomes and health

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Energy Saving Trust

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Energy Saving Trust

- The leading impartial organisation that helps people to save energy and cut CO2 emissions.
- We help over 3m people a year and since 1994 we have saved 140mt CO2.
- Independent and not for profit
- Government funded

Energy Saving Trust is

The UK's most trusted provider of energy saving knowledge and expertise

A source of uniquely valuable information about consumer behaviour and energy saving products and technologies

Able to deliver large, complex energy saving initiatives like the boiler scrappage scheme

Closely connected with partners in industry, government and the third sector

Supporting consumers to take action

- From simple tips to highly technical data, our impartial information helps 3.5 million people take action each year.
- Four out of five of our advice network customers would recommend us
- 500,000 referrals to schemes every year: 54% of all loft insulations

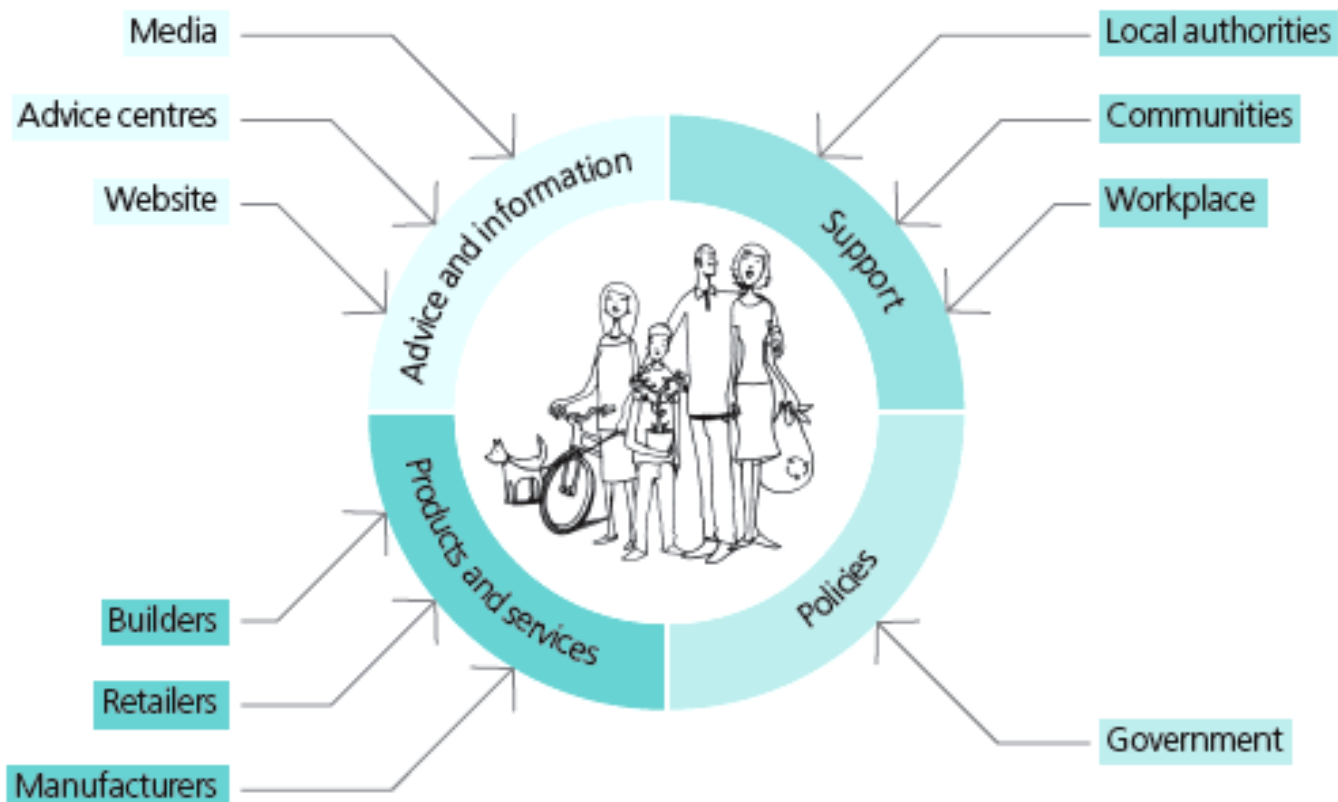
Helping local authorities and communities take action on energy saving

- support 125 local authorities with expertise, training and tools to lead carbon saving in their localities - 93% use our technical guidance.
- We are strategic partners in area based energy reduction schemes including Community Energy Saving Programmes.
- Our online database is the only comprehensive resource available to communities on carbon saving and funding.

Our strategy

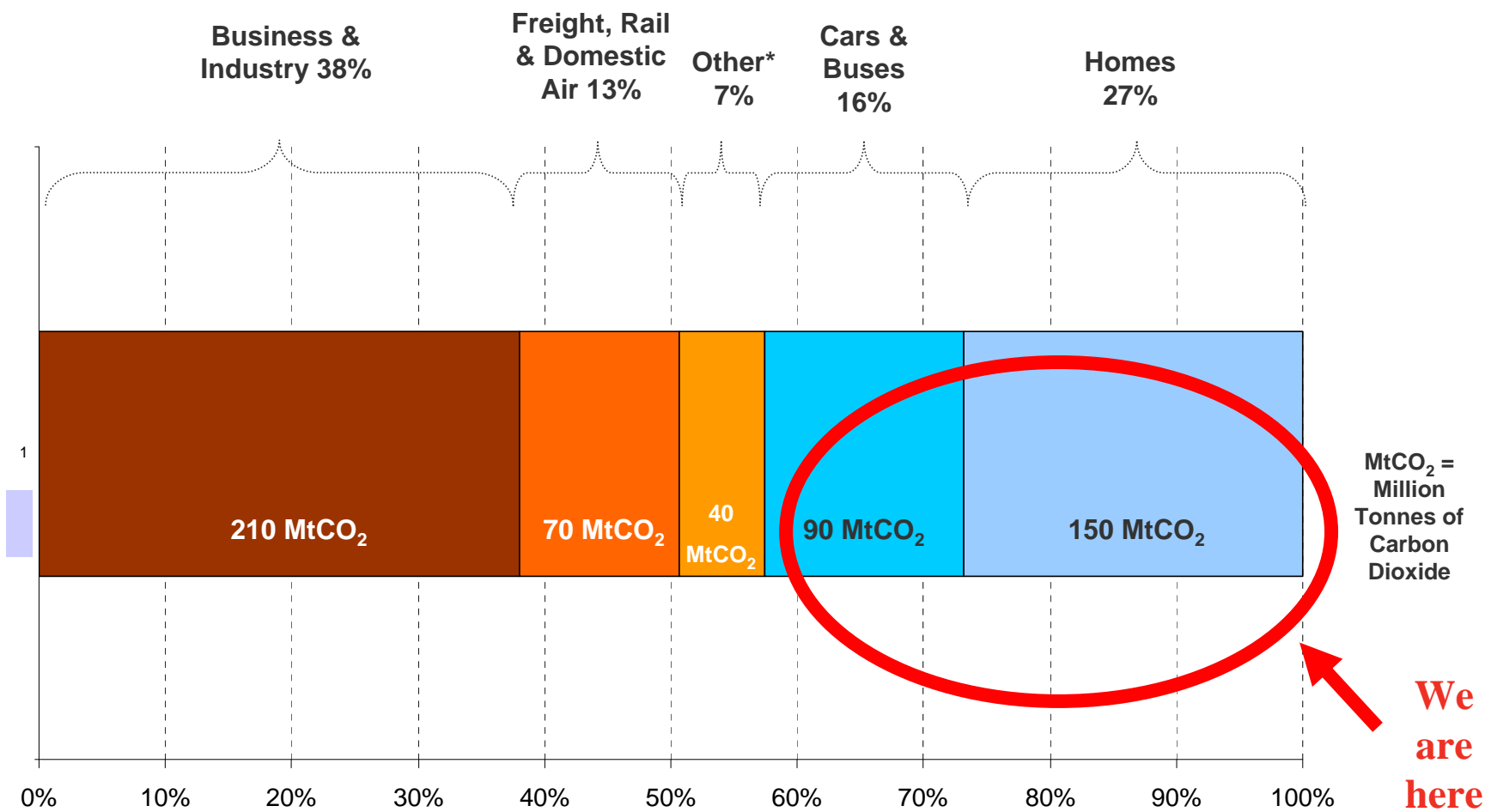
- Providing information, advice and support to help people take action through:
 - local advice services
 - the web and the media
 - local authorities, communities, the workplace and voluntary groups

- Working with manufacturers and retailers to make efficient products easy to choose
- Working with suppliers and trade bodies so that people can get the right skills and services to make homes more efficient
- Advising governments on the policies needed to help individuals take action



Emissions and targets

Where does the UK's CO₂ come from?



UK Carbon targets

34% reduction from 1990 by 2020

80% reduction from 1990 by 2050

18% overall reduction from 2008 by 2020

29% reduction from domestic housing

All Cavity and Loft insulation by 2015

7m Eco-refurbishments by 2020

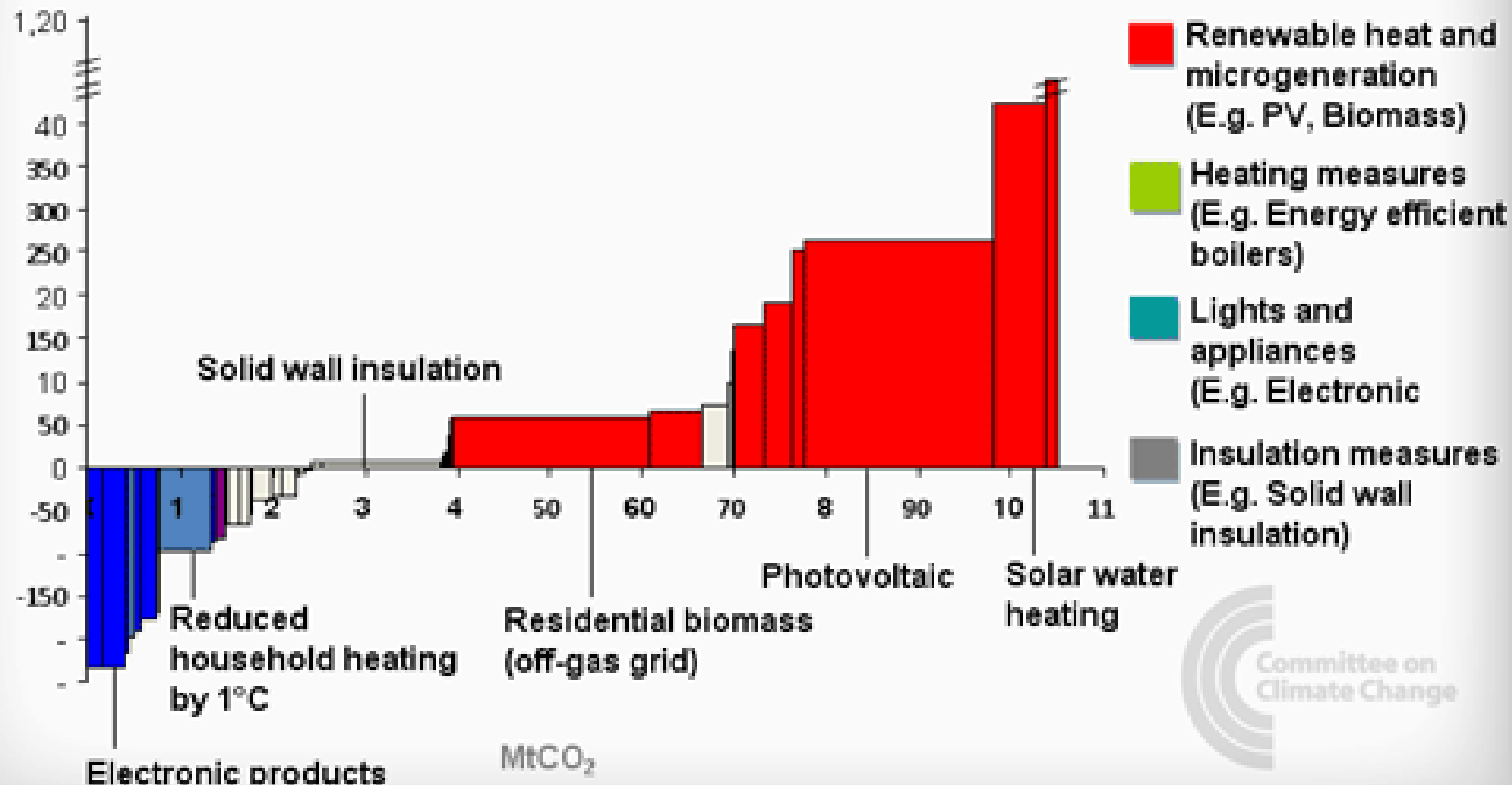
Greater role for LAs and Utilities



What does 29% Domestic Sector Emissions reduction mean for Torbay?

In detail: Domestic Sector

Marginal Abatement Cost curve for the domestic sector



SW Domestic Sector carbon emissions (2007), tCO2			12,238,000
29% SW Domestic Sector reduction by 2020 (from 2008), tCO2			3,549,020
SW Number of households			2,266,000
Measure	SW potential measures	Annual carbon saving tCO2	Running total tCO2
Cavity Wall insulation	719,884	409,614	409,614
Loft insulation	1,029,028	233,589	643,203
Up grading all appliances to 'Energy Saving Recommended'	2,266,000	256,058	899,261
All appliances off standby when not in use	2,266,000	285,516	1,184,777
Change all light bulbs	2,266,000	305,910	1,490,687
Solid Wall Insulation (336,000 potential)	160,000	304,000	1,794,687
Biomass heating (off gas grid fuel switching, 591,000 potential)	285,000	1,289,910	3,084,597
PV (2kWp, 2,000,000 potential?)	650,000	473,850	3,558,447
Total			3,558,447
SW Domestic Sector Carbon reduction target			3,549,020
Variance			9,427

Economic Impact – Torbay

	No. of Measures	Jobs (FTE for 1 year)	GVA	Energy Bill Saving (annual, 2009 prices)
Cavity Wall Insulation	20,620	117	£3,247,725	£2,412,596
Loft Insulation	31,343	119	£3,839,467	£1,755,185
Solid Wall Insulation	844	490	£9,798,764	£1,572,109
Biomass heating (in off gas grid areas)	7,672	582	£13,809,797	£736,523
PV	17,498	664	£69,291,262	£3,359,576
Total	77,977	1,973	£99,987,015	£9,835,989

NB. Figures approximate and estimated. Extrapolated from regional estimates of potential for measures and regional economic impact surveys, not factoring in Torbay's housing stock characteristics. A full economic impact assessment of all domestic sustainable energy activity, including impact of displacement, deadweight etc., has been commissioned from economic consultants by Energy Saving Trust and will be available in May 2010.

Seizing the Opportunities

- Get the cheap and easy things done now

- Complete all Cavity Wall and Loft Insulation
- Best Practice shows Council leadership is key and delivers jobs

- Make the most of financial incentives and unlock private investment

- Feed in Tariffs, Renewable Heat Incentive, Pay As You Save
- District Heating, develop cost effective sites
- Own generating capacity, reinvest revenue e.g. Wind

- Develop the local supply chain, be the early movers

- Create the first markets, business investment will follow
- SW EU Competitiveness programme

- UK Low Carbon Silicon Valley location is up for grabs

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for
action on climate change

