

Bath & North East Somerset Council

We joined Come2COM to get help to:

- Develop our strategy and action plan
- Set targets for workstreams within our Environmental Sustainability Partnership, based on local potential
- Understand our emissions and identify gaps in our current approach
- Access to partner Councils for EU funding bids



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Carbon Action Network
reducing carbon emissions and fuel poverty



The story so far...

- Our Leader signed up!
- Signed up online (2 minutes)
- Lot of work w' SWEA to calculate potential carbon savings and targets for our Domestic, Low Carbon Economy and Public Sector work streams
- How close would various measures get us to our target of a 45% cut by 2026?



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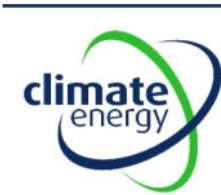
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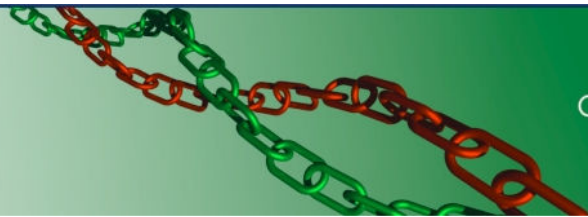
Outcome: Domestic Carbon saving potential, actual and targets

Measure	Technical Potential Carbon Savings							Current Activity (Business as usual)			Targets		
	CO2 saving per measure (t/Co2/yr)	Lifetime CO2 saving per measure (t/Co2)	Cost per measure (£)	Cost effectiveness (£/tCO2)	Technical potential: no. measures	Technical potential: CO2 savings (t/Co2/yr)	Total cost of technical potential (£)	Current Activity: no. Measures per year	Current Activity: total measures by 2026	Current activity: savings by 2026 (t/Co2/yr)	Target by 2026- no measures	Target by 2026- CO2 saving	Interim targets and notes
Sub 200mm lofts	0.11	3.3	150	45	47,842	5262.62	7,176,300	1600	22400	2464	45450	4999	6,817,485
Virgin Lofts	0.73	21.9	200	9	1,645	1200.85	329,000	150	2100	1533	1563	1141	312,550
Cavities	0.56	16.8	200	12	25,830	14464.8	5,166,000	1100	15400	8624	24539	13742	4,907,700
Solid Wall Insulation -	2.5	75	7600	101	11,053	27632.5	84,002,800	5	70	175	2100.07	5250	15,960,532
Solid Wall Insulation - internal	2.4	72	5000	69	11,053	26527.2	55,265,000	5	70	168	994.77	2387	4,973,850
Heating Upgrade	1.1	16.5	2300	139	47,611	52372.1	109,505,300	1740	24360	26796	45,230	49753	104,030,035
Glazing	0.68	13.6	4900	360	9,884	6721.12	48,431,600	350	4900	3332	9389.8	6385	46,010,020
Solar PV	1.4	35	7,500	214	29800	41720	223,500,000	150	2100	2940	18625	26075	139,687,500
Solar Thermal	0.23	4.6	4800	1043	29800	6854	143,040,000	200	2800	644	11175	2570	53,640,000
Biomass	4	80	11500	144	14779	59116	169,958,500	20	280	1120	5960	23840	68,540,000
GSHP	1.6	32	13,000	406	14779	23646.4	192,127,000	50	700	1120	4470	7152	58,110,000
ASHP	0.81	12.15	8000	658	14779	11970.99	118,232,000	80	1120	907.2	7450	6035	59,600,000
Energy monitors in libraries	0.2	0.2	25	125	178000	35600	4,450,000	232	3248	649.6	4,900	980	122,500
Other behaviour change	0.5	1	100	100	178000	89000	17,800,000	1400	19600	9800	89000	44500	8,900,000
New Energy labels	0.2				178000	35600	0					0	0
New Build residential	-1.12				11000	-12320	0				11000	-12320	0
Totals						425369	1,178,983,500			60273		182490	571,612,172

350 people borrow monitor annually to 2026
Average



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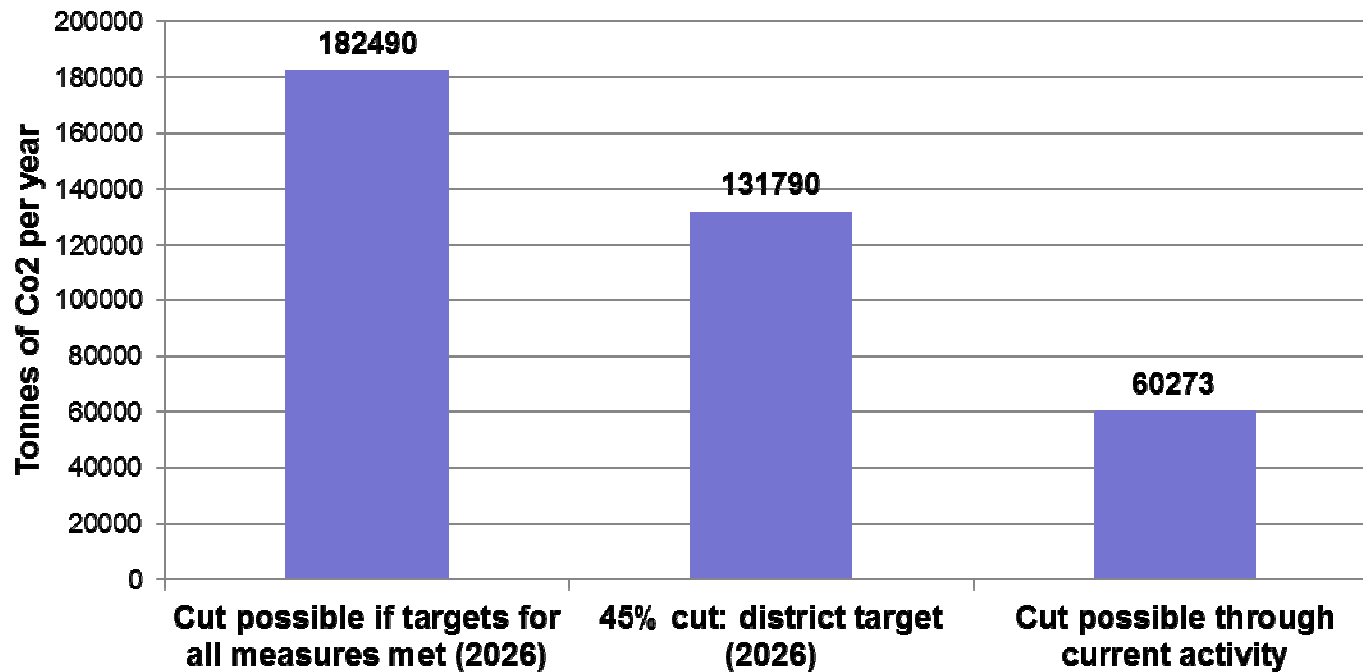


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Domestic Emissions

- We can meet our target of a 45% carbon cut through a high but do-able level of retrofitting
- It would require £570m of investment: Green Deal?!



Public Sector

- Public sector was aiming to cut their carbon faster
- But many Carbon Management Plans coming to an end in 2014
- Collaborate on their replacements?



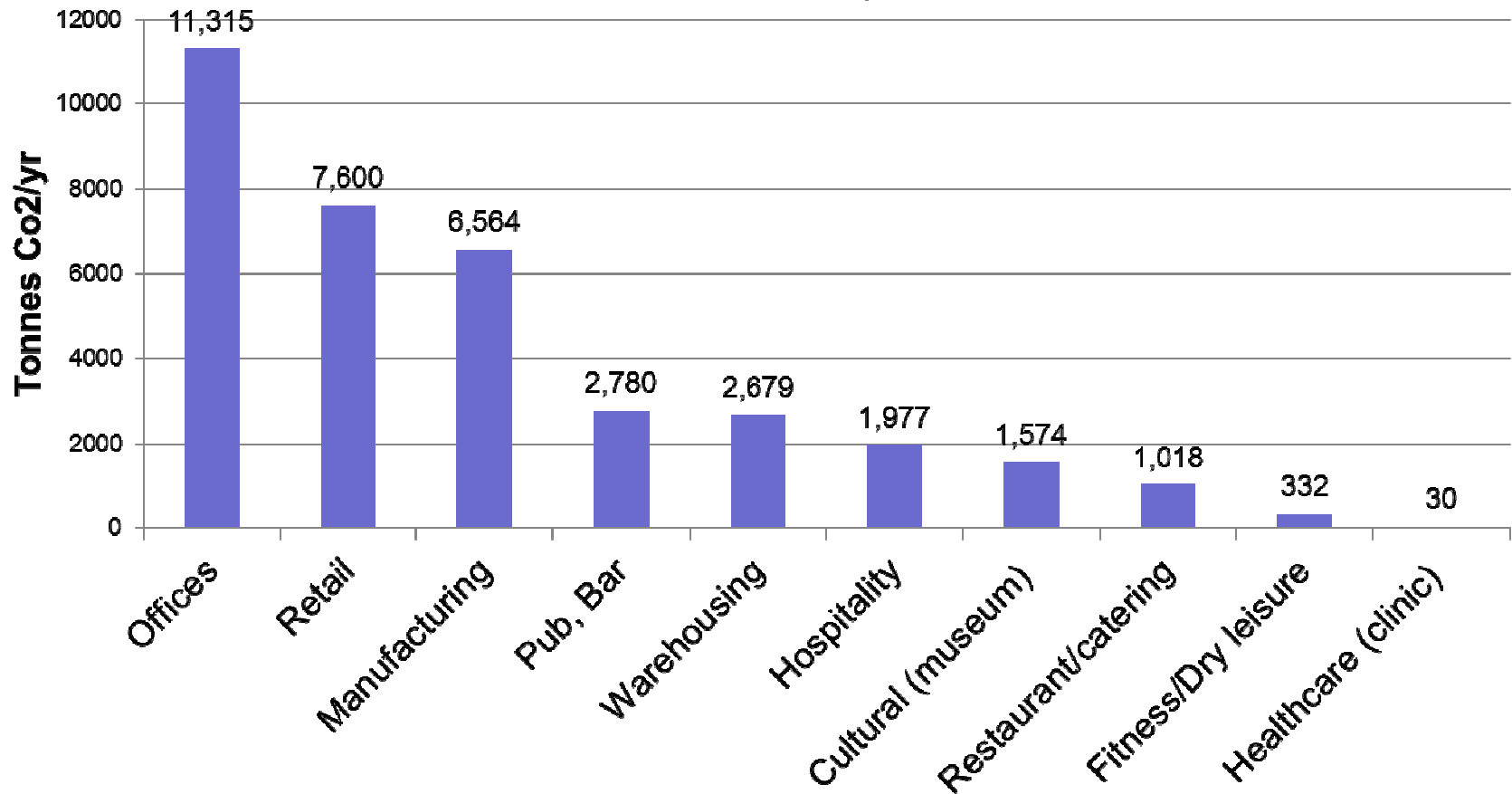
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Commercial Emissions

Potential CO2 savings per sector



Next steps

- Work with partners to agree targets
- Discuss the gaps in our approach
- Fill the gaps!
- Keep an eye out for the EU funding...



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