

## Fuel Poverty

Stockton's housing stock  
Energy efficiency initiatives

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## Stockton's housing stock

Registered domestic properties – 83,130

### Tenure

- 69.4% owner occupier (private)
- 21.5% social housing (Vela Homes + housing ass)
- 9.1% private rented

Strategic Housing Market Assessment 2012

### Wall type

- 46,202 cavity wall
- 7,979 solid wall/non-traditional build
- 28,949 unknown

SBC UNO database

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## Measuring energy efficiency

### Standard Assessment Procedure (SAP)

- DECC's method for assessing and comparing the energy and environmental performance of dwellings. Its purpose is to provide accurate and reliable assessments of dwelling energy performances that are needed to underpin energy and environmental policy initiatives.

- SAP assesses how much energy a dwelling will consume, and how much CO<sub>2</sub> will be emitted in delivering a defined level of comfort and service provision, based on standardised occupancy conditions. This enables a like-for-like comparison of dwelling performance.

- SAP was developed by the Building Research Establishment (BRE) in 1991

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## Our data

- Local Land & Property Gazetteer (LLPG)
- SBC UNO database
  - UPRN
  - Tenure
  - Construction
  - Insulation measures and levels
  - Double glazing
  - Heating systems
  - Household benefits



## Uno database

The screenshot shows the UNO 2010 software interface with the following sections:

- Summary of Results:** SAP Rating: 65, CO2 Emissions: 6171 kg/yr, Running Costs: 1555 £/yr, Data Level: Primary.
- Built Form:** Region, Property Type, Built Date, Age, Floors, Storey Above, Floor Level, Floor F, Masonette, Reference Fields.
- Glazing:** Double Glazing Percentage, System Type, Glaze Form, Glaze Type, Fabric Data, Uprate, Uprate Type, Uprate Unit, Uprate Value, Uprate Description, Uprate Reason, Uprate Date, Uprate Status, Uprate Comment.
- Space And Water Heating:** System Type, Fuel Type, Fuel Rate, Fuel Unit, Fuel Description, Fuel Comment, Fuel Date, Fuel Status, Fuel Comment.
- Energy Reduction Measures:** Main, Heat, Hot Water Heating, Hot Water Heating System, Hot Water Heating Fuel, Hot Water Heating Fuel Type, Hot Water Heating Fuel Unit, Hot Water Heating Fuel Value, Hot Water Heating Fuel Description, Hot Water Heating Fuel Comment.
- Address Information:** Address Line 1, Address Line 2, Locality, Town, Section on Fees, County, Postcode.
- Marker Status:** Unworked.
- Tenure Information:** Tenure, Home occupied.
- Record Controls:** ID, Back, Forward, Record Data, Build SAP Worksheet, Create Energy Report.

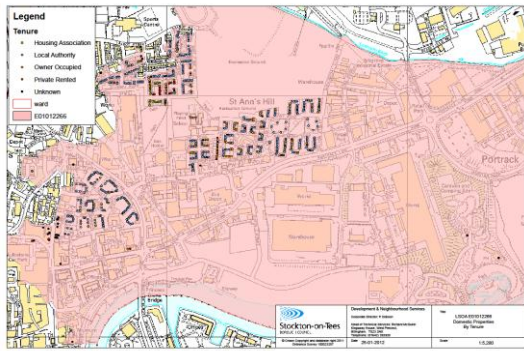


## Uno database

The screenshot shows the UNO 2010 software interface with the following sections:

- Statistics:** Average SAP: 61.95, Average CO2 Emissions: 6488 kg/yr, Average Running Costs: 1595 £/yr, SAPs less than 35: 26212 (2012), SAPs greater than 44: 20984 (42.50%), Processed Records: 68167 (95.14%), Non-processed Records: 33267 (48.8%), Records with Errors: 316 (0.4%).
- Extra Statistics:** Calculate All Extra Statistics.
- Export Settings:** Export which items, Export Type, Export.
- Results:** SAP Profile bar chart showing the distribution of SAP ratings. The chart has a Y-axis from 0 to 4000 and an X-axis for SAP ratings from 1 to 100. The bars are labeled with their respective counts: 65 (1), 104 (1), 203 (1), 400 (1), 491 (1), 1092 (1), 2094 (1), 891 (1), 766 (1), 0 (1), 0 (1).
- Record Controls:** Filter status: ON, Currently showing: 62730 of 62730, Filter, Remove All Filters.





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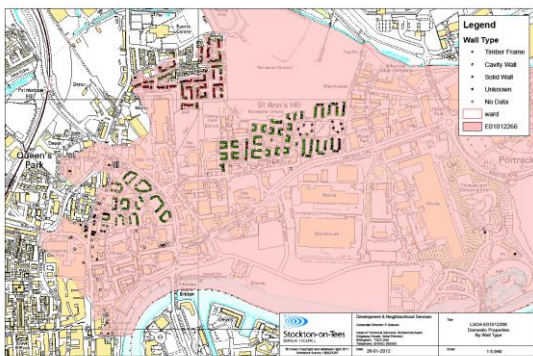
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### Stockton's energy efficiency profile

#### Current

- Average SAP rating – 61.55 (2011)
- National average – 51.6 (2011)
- Average running cost £1,285 £/year
- Average CO<sub>2</sub> emissions – 5,408 kg/year

#### Progress

Average SAP of private sector housing in SoT in 2009 = 59: 2001 = 48)

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## Initiatives

Initiative	Description	Delivery in Stockton-on-Tees
<b>Warm Zone</b>	2001 – 2004. Aimed at improving energy efficiency of homes through insulation of lofts, cavity walls and boiler upgrades	An average of £485 was spent for every household assisted in Stockton and around 15,000 properties in the borough benefited from energy efficiency measures through the Warm Zone Initiative. Estimated 3800 homes removed from fuel poverty.
<b>CERT (Carbon Emissions Reduction Target)</b>	A carbon reduction obligation placed on energy suppliers by the Gov't to encourage take up of insulation measures and low energy lighting. This scheme is due to end in Dec 2012	The Authority and Tristar/Vela Homes work in partnership with Go Warm. From 2008 to 2010, over 4,800 installations have taken place in Stockton, with 3,431 of these in private sector housing and 1,391 in Council housing (pre-stock transfer)
<b>WarmFront</b>	Government funded scheme providing a package of energy efficiency advice and improvements to a value of £3500. This scheme is due to end in Dec 2012.	In 2009/10 580 boilers were replaced, 72 cavity walls were insulated and a further 128 insulation and draught-proofing measures were installed.
<b>CESP (Community Energy Savings Programme)</b>	Government funded scheme placing an obligation on energy suppliers to reduce carbon emissions. Aimed at whole house solutions for solid wall and hard to treat properties. This scheme is due to end in Dec 2012	Up to 1000 homes will benefit from this scheme by the end of December 2012

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## Fuel poverty rates

LSOA Code	Ward	2009	2003
E01012263	Parkfield & Oubridge	43.9%	9.66%
E01012265	Parkfield & Oubridge	35.1%	7.79%
E01012262	Parkfield & Oubridge	32.5%	8.43%
E01012239	Mandale & Victoria	32.4%	7.07%
E01012254	Newtown	31.8%	8.21%
E01012288	Mandale & Victoria	31.4%	7.97%
E01012251	Newtown	31.2%	7.58%
E01012266	Stockton Town Centre	31.1%	7.45%
E01012230	Hardwick	30.0%	7.62%
E01012286	Mandale & Victoria	29.4%	8.16%
E01012197	Billingham Central	29.3%	6.48%
E01012289	Fairfield	29.1%	7.27%
E01012295	Weslem Parishes	29.1%	6.37%
E01012198	Billingham East & Billingham South	29.0%	7.67%
E01012195	Norton North/Norton South	28.6%	7.55%
E01012268	Portnick & Tilery	28.4%	7.30%
E01012258	Newtown	27.9%	7.63%
E01012221	Hardwick	27.8%	7.01%
E01012291	Village	27.8%	6.64%
E01012217	Bishoppesgarth	27.7%	7.29%

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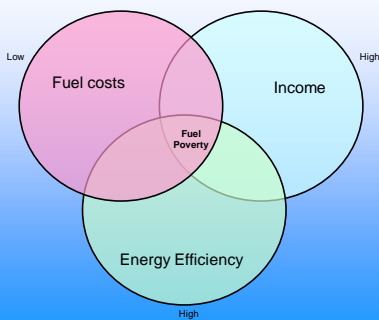
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## Fuel Poverty – factors




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