



greening Hastoe

Renewable Energy



Renewable technologies installed to date

- 604 solar photovoltaics
- 377 ground source heat pumps
- 400 air source heat pumps
- 386 mechanical ventilation with heat recovery
- 352 solar thermal

x6,785 Saving on average a total of **9,500 tonnes** of carbon per year – equivalent to **removing over 6,785 cars** from the road.

Of these

224 ground source heat pumps have been retrofitted, saving residents on average **£350 per year** on electricity and no longer needing to buy coal.

The ground source heat pumps will generate **£840,000** in income from the Renewable Heat Incentive.

residents on average **£80 per year** on electricity and generating **£4 million in income** from the Feed in Tariff.

201 solar photovoltaic panels have been retrofitted, saving

Homes

1,300 Over **1,300 trees** planted at schemes as part of the Hastoe Orchard.

£5.4 million We have **invested Over £5.4 million** in greening our existing stock.



Our homes have an average SAP rating of **74.92**, putting us in the **top 20% of the best performing social landlords**.



In 2011 we adopted the Hastoe Green Homes Standard, establishing a minimum environmental standard for our existing homes. **To date 400 homes have achieved this.**

In 2015 we reviewed the standard and raised the minimum SAP to 69.

x1
At least **one scheme per year** will be to **Passivhaus standards**

£120
Residents in our first Passivhaus scheme at **Wimbish** achieve **average gas bills of £120 per year.**

VOIDS
Hastoe has participated in research that found that homes with **higher SAP ratings** are **void for fewer days** compared to low SAP properties. Correspondingly, **high SAP properties** have **lower operational costs.**

116 Currently there are **116 PH units** completed across **9 schemes**

Straw bale exemplar scheme completed.

x843
843 Code for Sustainable Homes Level 4 units completed to date.

Residents

10% of income
In 2014 **43% of our residents** surveyed typically spend more than **10% of their income** on heating their home.

43%
43% of residents surveyed in 2014 considered that it was likely that energy bills will make it difficult to afford essentials such as food.

300+
To date over **300 "Green Doctor"** visits have been provided to older residents and young families to provide simple affordable warmth measures and energy efficiency advice.

27 tonnes of CO2
Indicative savings are that the total visits will save an average of **27 tonnes of carbon** and save a total of **£6,320 per year.**

200 tenants participated in research to understand their day to day energy needs.

Governance and Offices

Carbon footprint of Hastoe offices assessed as **105 kgCO2/m2/yr.**



SHIFT **silver** accreditation maintained in 2014. **Ranked 9th** out of 53 participating organisations.

Solar Photovoltaic panels installed onto our Head Office roof which will **reduce this by 13% to 91 k kgCO2/m2/yr.**



Teleconferencing has been used at least 50 times in the last year, to reduce travel. We estimate that this has **saved over 21,000 miles and 7 tonnes of CO2**



7 tonnes of CO2