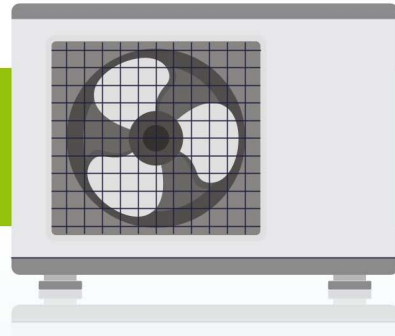


WHY IS AN AIR SOURCE HEAT PUMP CHEAPER THAN A GAS BOILER?



Even though electricity is more expensive than gas at the moment, the heat pump is many times more efficient

1 An non condensing boiler is only **70% efficient**, with **30% of the gas** energy being **lost up the flue**


2 This means that **1000 kWh** gas only provides **700 kWh** of heat energy

4 This means an Air Source Heat Pump is over **490% more efficient** than a non condensing boiler

3 An Air Source Heat Pump is **350% efficient**. This means that **1000 kWh** of electricity provides **3500 kWh** of heat energy

According to Ofgem, the average British household has **2.4 people** living in it and uses **2,900 kWh** of electricity and **12,000 kWh** of gas. This works out at **242 kWh of electricity** and **1,000 kWh of gas** per month.

Using British Gas current variable tariffs (Oct 2022)



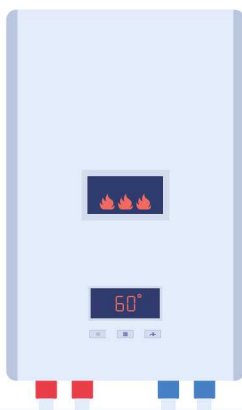
	Unit Cost (p)	Daily Standing Charge (p)
DIRECT DEBIT		
Electricity	34.047	46.356
Gas	10.330	28.485
PREPAYMENT		
Electricity	32.510	48.320
Gas	10.605	37.506



WARMER HOMES • MORE SUSTAINABLE HOMES • LOWER EMISSIONS

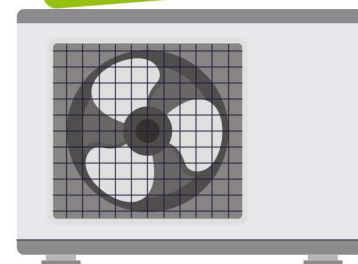
For more information you can email on:
zerocarbon@southwayhousing.co.uk or call **0161 448 4200**.

WHAT'S THIS IN POUNDS & PENCE?



12,000 kWh of **gas energy** equates to 2743 kWh of **ASHP** electrical energy, at **490% increased efficiency**, to provide the same heat and hot water.

WINNER!



GAS BOILER			
DIRECT DEBIT			
	Standing Charge Cost	Energy Cost	TOTAL
2900	£169.20	£987.36	£1156.56
12000	£103.97	£1239.60	£1343.57
TOTAL £2500.13			
PREPAYMENT			
	Standing Charge Cost	Energy Cost	TOTAL
2900	£176.37	£942.79	£1119.16
12000	£136.90	£1272.60	£1409.50
TOTAL £2528.65			

AIR SOURCE HEAT PUMP			
DIRECT DEBIT			
	Standing Charge Cost	Energy Cost	TOTAL
5643	£169.20	£1921.22	£2090.42
0	£0	£0	£0
TOTAL £2090.42			
PREPAYMENT			
	Standing Charge Cost	Energy Cost	TOTAL
5643	£176.37	£1834.49	£2010.86
0	£0	£0	£0
TOTAL £2010.86			

2743 + 2900

Direct Debit Annual Cost Comparison

Gas Boiler	vs	ASHP	Difference
£2500.10		£2090.42	SAVING OF £409.71*

*This is based on disconnecting the gas supply. If a gas cooker is retained, then the saving is reduced by **£103.97**

Prepayment Annual Cost Comparison

Gas Boiler	vs	ASHP	Difference
£2528.65		£2010.86	SAVING OF £517.79**

This is based on disconnecting the gas supply. If a gas cooker is retained, then the saving is reduced by **£136.90

WARMER HOMES • MORE SUSTAINABLE HOMES • LOWER EMISSIONS

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