

## Important Environmental Information – Carbon Dioxide Emissions

1 kWh of electricity usage creates 0.422 kg of CO<sub>2</sub> emissions into the atmosphere

Approximate comparison between Night Storage Heaters and Ecowarmth radiators

### Night Storage Heaters

Average Kw for 3 Bedroom House = 10 Kw

CO<sub>2</sub> emissions = 10 Kw x 7 hrs (Econ 7) x 220 (heating days p.a.)

= 15,400 Kwh p.a. x 0.422 Kg CO<sub>2</sub>

= 6,498.8 Kg CO<sub>2</sub>

**= 6.5 tons CO<sub>2</sub>**

### Ecowarmth heating system

Average Kw for 3 Bedroom house = 6 Kw (6 radiators)

CO<sub>2</sub> emissions = 6 Kw x 24 hrs x 20% \* x 220 (heating days p.a.)

= 6,336 Kwh p.a. x 0.422 Kg CO<sub>2</sub>

= 2,673 Kg CO<sub>2</sub>

**= 2.7 tons CO<sub>2</sub>**

\* 20% equates to a average of 12 minutes of electricity usage in any 60 mins for each hour of heat and as confirmed by independent tests carried out by Advantica Ltd – a UKAS accredited laboratory

### Note

Night storage heating runs out by early evening and so other heating is required. If this is electrical heating then this increases the amount of CO<sub>2</sub> released into the atmosphere

**Ecowarmth radiators not only use less electricity and are more controllable than night storage heaters, but they also cause considerably less damage to the atmosphere**