



# Priors Hall

Corby, Northamptonshire  
Eight New Build plots set within  
a larger development.

Offering the homeowner zero  
energy bills through increased  
insulation and hybrid solar  
technology.

## TECHNOLOGY:

Photovoltaic/Thermal hybrid modules  
(PV-T)

- 20 x PowerVolt

## SYSTEM PEAK PERFORMANCE:

- Electrical 3.8 kWp
- Thermal 9.2 kWp

## SYSTEM ANNUAL PERFORMANCE:

- Average Electrical 3246kWh
- Average Thermal 1850kWh
- Av displaced Co2 2044 Kg





Convert Energy Ltd



## System overview:

### Heating & Hot water:

'Pre-Heat' enabled combination gas boiler and solar thermal.

Solar thermal providing a combination of direct hot water and pre heat to the gas boiler.

## Designed to prove a point!

These eight homes were named the ZEB Homes (*zero energy bills*). They were designed and built under instruction by Electric Corby to prove that, for a minimal increase in build cost, a conventional 'new – build' could be adapted to provide its own power and reduce the environmental impact of building a new property.

To guarantee the new owner's zero energy bills, we designed a roof integrated hybrid PV-T modules were used to maximise energy generation from the typically limited and varied roof space of a large housing development.

Annual Electrical performance  
Annual Thermal Performance  
Annual Displaced Co2

- 3246 kWh  
- 1850 kWh  
- 2044 kg

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