

HIGHLIGHTS:

**Heating System:
Worcester Bosch
Condensing
System Boiler**

**Install Date:
Jan 2010**

Results:

- **SIGNIFICANT ENERGY SAVINGS**
- **RADIATORS HOTTER**
- **REDUCTION IN THERMOSTAT**

INTRODUCTION

This is a large 6 Bedroom Victorian Terrace Town House, which was built over 100 years ago and is typical of thousands of similar houses in Suburban London. The house is three floors high. The heating system is a newly installed sealed system, driven by a gas fired Worcester Bosch System Boiler. The primary system (heating) is 28mm pipe. There is also a Solar Thermal setup feeding the hot water cylinder.

RESULTS ACHIEVED WITH TADPOLE INSTALLED

The house was retrofitted with energy saving systems by Notting Hill Housing Trust and Bailey Garner Consultants. The project was managed and monitored by United House. Tadpole was one of the systems installed in the house on the heating system. This resulted in savings of 15% possibly 20% on heating costs and a pay back period of approx. 6 months.

See below document from Notting Hill Housing and Press Releases section of website for further information about this project.

**TADPOLE
Innovation
At Its Best**

Small but mighty

Cutting energy consumption is a simple step to lower household bills for residents and reduce the carbon footprint of the refurbishment scheme. This will be achieved in the exemplar project by tagging on a 'Tadpole' - a device that fits between the boiler and pump of a central heating system.

The innovative small Tadpole unit works on the simplest of principles and can be fitted to most gas, electric or oil central heating systems. By removing dissolved air in central heating systems, the Tadpole enables the water to reach higher temperatures much faster and using much less energy.

Over a four week period, the device has been proven to reduce the level of energy supplied to the central heating system by approximately 15%.

The device is also proven to reduce the amount of gas and electric consumed by around 20% when the Tadpole is in full use.

