



NEWSLETTER

Welwyn St. Mary's

GROUND SOURCE HEAT PUMP SYSTEM

November 2007

Published when

there's anything

to say!

INTRODUCTION

This is the first one-page Newsletter in an occasional series giving information about St Mary's, Welwyn, Sustainable Heating System. We hope you will find it interesting and informative. We aim to publish it whenever there is enough interesting material to justify it. Any comments would be welcome. Send them to gshp@welwyn.org.uk.

NEW WEBSITE STARTS

Peter Brooks has written a new-look website for the Heating System. There is much more information than before and, for the first time, a section allowing readers to register to have access to all the information we have available, including the long term performance of the heat pumps. There's no charge for registration if you want access for non-commercial purposes. The website address is the same as before:- www.gshp.welwyn.org.uk

2007/8 HEATING SEASON STARTS WELL

The heating season started in Welwyn in early September with, at first, odd days needing some warmth. At present the decision about how many heat pumps to run or whether recourse to the gas boiler is needed is



Peter Brooks, Alan Winton and David Gregory at St Mary-le-Bow with their 'Highly Commended' certificate

done manually though, fortunately, by remote control over the internet, so frequent visits to the church are not necessary.

The heating controller software makes all the changes to water valves and checks safety and performance continually whilst providing real-time data on the web. The plan, during this season, is to devise strategies for the software so that all heating decisions can eventually be left to the heating controller.

So far we have saved the emission of over 6½ tonnes of carbon dioxide into the environment which was the main aim of the installation. You can watch the savings grow via the website!

ST MARY'S SYSTEM 'HIGHLY COMMENDED' IN CHURCH TIMES 'GREEN CHURCH' COMPETITION

Team Rector Canon Alan Winton and heating team members David Gregory and Peter Brooks travelled to St Mary-le-Bow in London in November to receive a 'highly commended' award for the heat pump system. The certificate confirming the award is now hanging on the wall in Church House, Welwyn!

PLANNED WORK

A donation recently received means we can now plan the final installation of the control system, put in a more reliable refrigerant temperature monitoring system and expand the heating controller's flash memory. Many thanks from the heating team.