

TOTAL SAVINGS:

29.25
%

FINANCIAL SAVINGS: £1,452.40
CO₂ SAVINGS: 10,689kg
Installed: APRIL/MAY 2016
Trial period: 12 Months
Volume installed:
 6 Liters across all three sites.
Boiler Spec: N/A

The Royal Bank
of Scotland

RAPID BOIL™ was selected as one of ten finalists of the 2015 Bristol Go Green Challenge to celebrate Bristol being the 2015 Green Capital of Europe. The challenge was organised by 2Degrees as part of their Innovation Gateway which has been set up to help the Royal Bank of Scotland achieve ‘the next 75%’ of resource efficiency goals.

As part of this process, the ten finalist products were trialled by RBS in their offices and branches within the Bristol Area. **RAPID BOIL™** was trialled in three bank branches so that the saving caused by **RAPID BOIL™** could not be misinterpreted with other technologies.

RAPID BOIL™ was installed into three RBS bank branches of small (1 litre of **RAPID BOIL™** installed), medium (2 litres of **RAPID BOIL™** installed) and large (3 litres of **RAPID BOIL™** installed) size to reflect the range of branches operated by the banking group. A total of six litres of **RAPID BOIL™** was installed across the sites in April/May 2016 alongside a routine powerflush. The installs were monitored for months using actual meter reading (AMR) data and compensating for differences in temperature using Heating Degree Day (HDD) data obtained from Bristol Airport.

RESULTS

Site	Pre (kWh/HDD)	Post (kWh/HDD)	Saving %	Saving £
RBS Branch 1	3.65	2.24	25.88%	£371.52
RBS Branch 2	0.70	0.49	29.42%	£94.59
RBS Branch 3	5.46	3.61	32.46%	£986.29

A powerflush can typically improve heating efficiency by 10-15% by cleaning the system and removing scale/deposits which restrict heat transfer. **RAPID BOIL™** only can be seen to be responsible for 15-20% of the saving. The project saved £1,452.40 (2.5p/kWh) in the first year which equals a saving of 10,686kg CO₂.

“RAPID BOIL™ is a simple product to use and the team were extremely professional throughout the trial. The team were always there to support and provide regular updates on the performance of the product.”