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Havannah Primary School

case study

“We are delighted with the installation of the hand dryers in the pupil and staff toilets. We have drastically reduced our hygiene budget spends AND our carbon footprint! We have eliminated all excess waste paper and the whole toilet area feels much more hygienic and remains far tidier.”

Debra Ball - Business Manager, Havannah Primary School

About Havannah Primary School

Situated in Congleton, Cheshire, Havannah Primary School provides education for approx. 240 children from preschool age to year 6. The school has a number of nationally recognised awards, including ArtsMark Gold; Inclusion Quality Mark; Dyslexia Friendly Schools Award; EcoSchools Green Flag and the Prestigious Investors in Pupils Award. In 2015 OFSTED stated “The way the school cares for each and every pupil is outstanding”

The challenge

The school were previously using paper hand towels as the method of drying the hands after visiting the washroom.

They decided to replace these with energy efficient hand dryers to save money on the expense of paper towels, reduce waste and keep the toilet areas tidier.



Intelligent Hand Dryers - 0114 3540047 - www.intelligenthanddryers.com – email: sales@ihdryers.co.uk
Link to model in this case study: <https://www.intelligenthanddryers.com/products/turboforce-junior-plus-white-hand-dryer>

The solution

A compact, low noise hand dryer which provides fast dry times whilst being extremely energy efficient. It comes complete with internal UV cleaning capability and debris catching filters.

Model: Dryflow® Turboforce® Junior PLUS

Dry time range: 15 - 20 seconds

Rated power: 500W - 1150W (Intelligent heating system)

Guarantee length: 3 years



The results

Annual paper towel cost: £3,510 (based on 0.6p per paper towel)

Annual cost to use new equipment: £68.25 - £156.98 (based on 14p per kW/h)

Annual cost savings: £3,353.02 - £3,441.75

Estimated return on investment period:

Payback period: approx. 0.22 years

Annual paper towel carbon production: 4388 Kg/CO₂ (based on 22.5g/CO₂ per toilet visit)

Annual hand dryer carbon production: 112 – 258 Kg/CO₂ (based on 1kW = 0.23 kg/CO₂)

Annual carbon savings: 4130 – 4276 Kg/CO₂

Annual number of trees saved: 24

