

Environmental Emissions Reporting 2019-20



To fulfil the HM Government Environmental Reporting Guidelines (including streamlined energy and carbon reporting guidance March 2019), the Trust reports the following:

Annual Energy Use:

Gas	910,770 (kWh)	255,926
Electricity	419,042 (kWh)	373,677
Transport Fuel	4603 miles	1.37
Tonnes of carbon dioxide equivalent (CO2e)		629,605

Emissions Intensity Ratio (emissions divided by 1,455 pupils)

432.7 tonnes CO2e per pupil

Explanation of Methodologies used to Calculate the Required Information:

The chosen intensity measurement ratio is total gross emissions in metric tonnes CO2e per pupil, the recommended ratio for the sector.

kWh totals:

- Gas and electricity were calculated over the 12-month period for Broke Hall Primary School and Springfield Junior School.
- Combs Ford Community Primary School joined the Trust on the 1st April, so their costs for April-August were included.
- Abbot's Hall Community Primary School, Bosmere Community Primary School, Chilton Community Primary School and Freeman Community Primary School joined the Trust on 1st May, so their costs for May-August were included.

kWh were multiplied by 0.281 to find CO2e

Mileage was multiplied by 0.000298 to find CO2e

Pupil numbers

With schools joining the trust towards the end of the year, it was necessary to weight the pupil numbers according to how long they had been in the Trust to calculate an accurate and meaningful Emissions Intensity Ratio. It was done as follows:

School:	Rationale	Pupil number value
Abbot's Hall	4/12 of total pupil numbers	135
Bosmere	4/12 of total pupil numbers	90
Broke Hall	12/12 of total pupil numbers	630
Chilton	4/12 of total pupil numbers	50
Combs Ford	5/12 of total pupil numbers	133
Freeman	4/12 of total pupil numbers	69
Springfield Juniors	12/12 of total pupil numbers	348
		1455

Measures taken to Improve Energy Efficiency in the Period of the Report

- ✓ We have increased video conferencing for staff meetings, to reduce the need for travel between sites.
- ✓ We have implemented a 'Bike to Work Scheme' so employees can purchase bicycles and pay less tax on them.
- ✓ We have instructed all employees to turn off lights/computers etc and close doors to retain heat.
- ✓ Applied for Conditions Improvement Funding to replace inefficient windows.
- ✓ We have solar panels at 4 of our schools.
- ✓ We encourage pupils to walk to school.