Parrs Wood High School

The client

Parrs Wood is the largest Local Authority maintained state school in Greater Manchester and the fourth largest in the UK.

With nearly 1,900 students, 300 staff and 300 visitors a day from the local community using its facilities, the school is more like a village campus. Parrs Wood High School boasts a significant sporting community with both curricular and community events hosted after school and at weekends 360 days of the year.

With such a large and complex community, there is a necessity to ensure that high quality waste management and sanitary procedures are in place.

The project

B&M Waste Services met with Parrs Wood High School in August 2012 to assess how we could help the school to improve its recycling and waste management programme, maximise energy efficiency and minimise costs related to waste.

The school was looking to work with a company that could provide a total waste management solution, along with innovative ideas to reduce the school's carbon footprint.

- Previously all waste was going to landfill with no recycling facilities in operation.
- B&M Waste Services carried out a full audit and implemented a school-wide strategy which included:
- 25 internal recycling bins – for recyclable waste such as cans, bottles, paper and cardboard
- Two general waste FEL containers and one recyclable FEL container
- Internal food recycling bins for all canteen and food technology waste
- A collection service for Waste Electrical and Electronic Equipment (WEEE) waste, such as computers, TV and fridges, which is all now recycled
- A skip for metals – the school now gets a rebate for its chosen charity Reuben's Retreat for all recycled metal

Through its commitment to education, as well as providing first-class services, B&M Waste Services aimed to engender a cultural change which would see both students and staff embrace an environmentally friendly approach to waste.

This proved successful as the school CO2 Committee – made up of a group of eco-conscious sixth formers – helped spread the recycling message. B&M Waste Services has worked alongside the committee to educate students through presentations, posters and stickers throughout the school about the benefits of recycling. This included attending the Parrs Wood Efficiency and Recycling Convention to explain the progress that the school have made over the past few years.

B&M Waste is also working with PWHS to plant a significant number of trees on-site, offsetting the school's carbon emissions and creating a green area for students and staff to enjoy the environment.

The results

Parrs Wood High School's CO2 Committee had helped to save 277 tons of C02 per year through its work on energy reduction. With B&M Waste Services on board, this has added a further saving of 133 tons each year. This means the school is 10 years ahead of national carbon reduction targets.

PWHS is now being used as the focus of a campaign by the Carbon Trust to encourage other schools to make similar savings.

The school's initial recycling figures were 0%, but they are now diverting 100% of waste from landfill with B&M Waste Services.

B&M introduced a secure shredding service, and provided a console service or bag collection for any confidential waste as and when required. A Certificate of Destruction after each load, plus detailed reports will be supplied for Parrs Wood's records.

"Within the last year and a half, great strides have been made to educate our students and staff about recycling and waste management as a whole. The driver for that has been the partnership which has grown successfully between the school and B&M. I would unreservedly recommend the company's ethos and their innovative ideas which have resulted in our CO2 Committee taking control and advertising different schemes across the school to get the message across that recycling is the way forward."

Tony Way, Facilities Manager at PWHS

100% of waste diverted from landfill

Total Collected Waste (KG)

Material	Weight	Recycled	RDF	AD	Landfill
Mixed Municipal Waste	6,259.00	1,877.70	4,381.30		0.00
Organic Food Waste	720.00	720.00	0.00		0.00
Paper & Cardboard	82.50	82.50	0.00		0.00
Total	7,061.50	2,680.20	4,381.30		0.00
		37.96%	62.04%	0.00%	0.00%

How equivalent energy generated from Refuse Derived Fuel (RDF) and Anaerobic Digestion (AD) could be used:

40 TVs powered for a whole year

10, 581 miles driven in a family electric car

2,290 Washing machine cycles completed