

BaxterStorey EMS - Objectives and Targets Update

Objective 1

To reduce the consumption of electricity at the Waterfront per full time equivalent (FTE)

Target

Reduce by 5% by December 2010 based on annual consumption pro rata per full time equivalent (FTE)

Programme

- Staff awareness campaign, labelling, training
- PIR lighting installed
- Printers on duplex reducing number of copies made
- More efficient energy saving copier and franking machine
- Timers on water boiler and coffee machine
- All PCs switched off at night
- New low energy servers

Progress

In the full twelve months of 2009 we consumed 234,532 kWh of electricity at the Waterfront representing an average of 5.28 kWh per FTE per day (assuming 252 office working days).

In the full twelve months of 2010 we consumed 274,250 kWh of electricity at the Waterfront representing an average of 4.62 kWh per FTE per day (assuming 252 office working days).

This shows a like for like reduction 0.66 kWh per person per day or 12.5%.

Conclusion

Energy consumption has increased year on year at the Waterfront, however the population on site has increased by 23 or 11%. Through close monitoring, awareness, PIRs, timer switches, improved IT infrastructure and basic good housekeeping we. We are delighted to have achieved this in our third full year of running the EMS. The target for 2011 is to reduce by a further 5% on our 2010 figure.

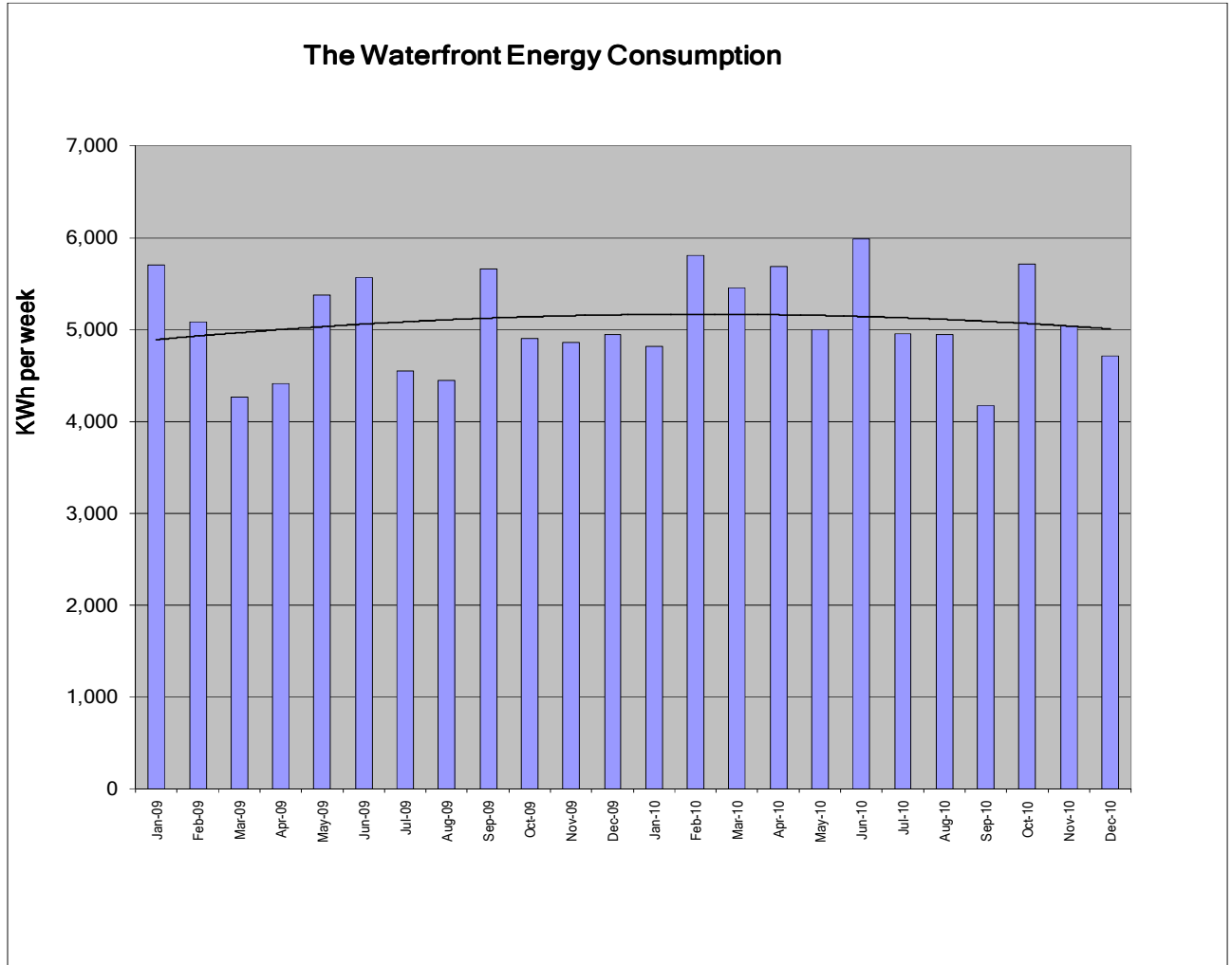
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Notes

These figures include all energy used at the Waterfront by BaxterStorey;

Heating, cooling, hot water, computers, servers, copiers, printers, lights, phone chargers, water boilers, coffee machines etc



Objective 2

To reduce the level of carbon emissions produced by company vehicles

Target

Reduce CO2 emissions by 10% by December 2010 based on annual consumption pro rata to the number of BaxterStorey locations

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Programme

- Staff awareness campaign, efficient driving
- Revised policy to encourage lower emissions vehicles (since the policy reviewed in July 2007 average emissions have reduced from 191g/km to 142 g/km over 22% reduction), from January 2010 the threshold for emissions bonus reduces from 150 g/km to 140 g/km) (The threshold started in 2007 at 170g/km
- Greater emphasis on public transport use
- Tele conferencing
- Improved 'patch planning' there has been a greater focus on ensuring that operations teams have more local and compact geographic areas to manage. This has significantly reduced the number of miles driven per operations manager

Progress

In the full twelve months of 2009 a total of 63,958 litres of diesel and 80,102 litres of petrol were consumed by BaxterStorey vehicles, jointly this consumption produced 356,942 KgCO₂e or 356.9 tonnes.

In the full twelve months of 2010 a total of 79,730 litres of diesel and 60,512 litres of petrol were consumed by BaxterStorey vehicles, jointly this consumption produced 346,765 KgCO₂e or 346.7 tonnes.

This shows a decrease of 10,177 KgCO₂e (10.1 tonnes) or 2.85% decrease

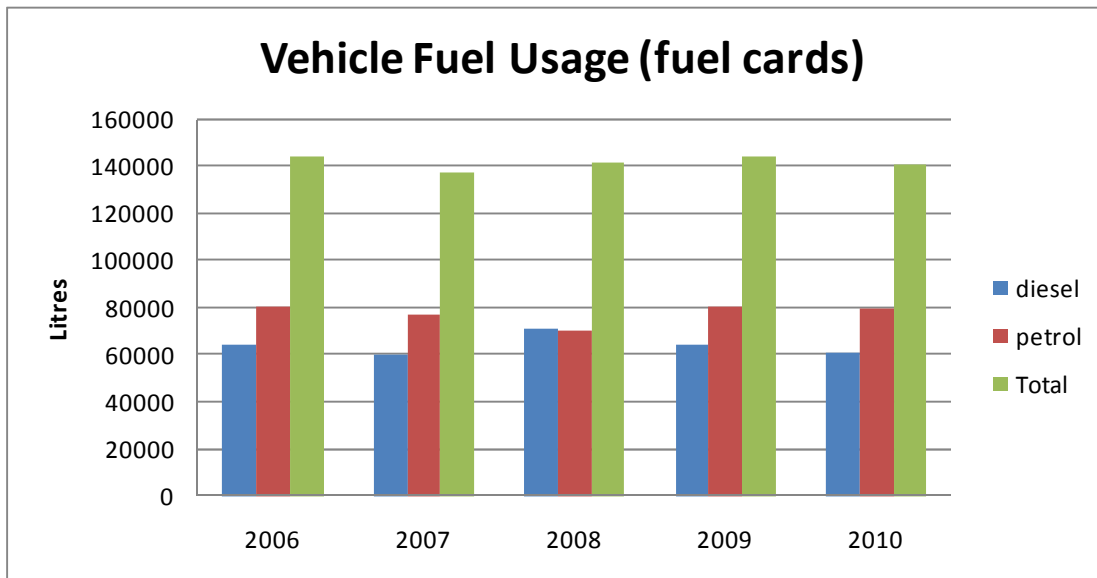
In the same period the total number of BaxterStorey locations increased by 18%.

Conclusion

This is an excellent result when considering the growth of the company year on year. The main reasons for this are the reduced CO₂ target on vehicle emissions in order to qualify for a bonus (this is made easier for drivers as technology improves the choices though lower emissions and great efficiency) It is interesting to note that petrol vehicles are catching diesels up in terms of efficiency, bearing in mind petrol is a 'cleaner' local fuel and there is no 3% extra tax levy on the choice to move to petrol from diesel is starting to reverse.

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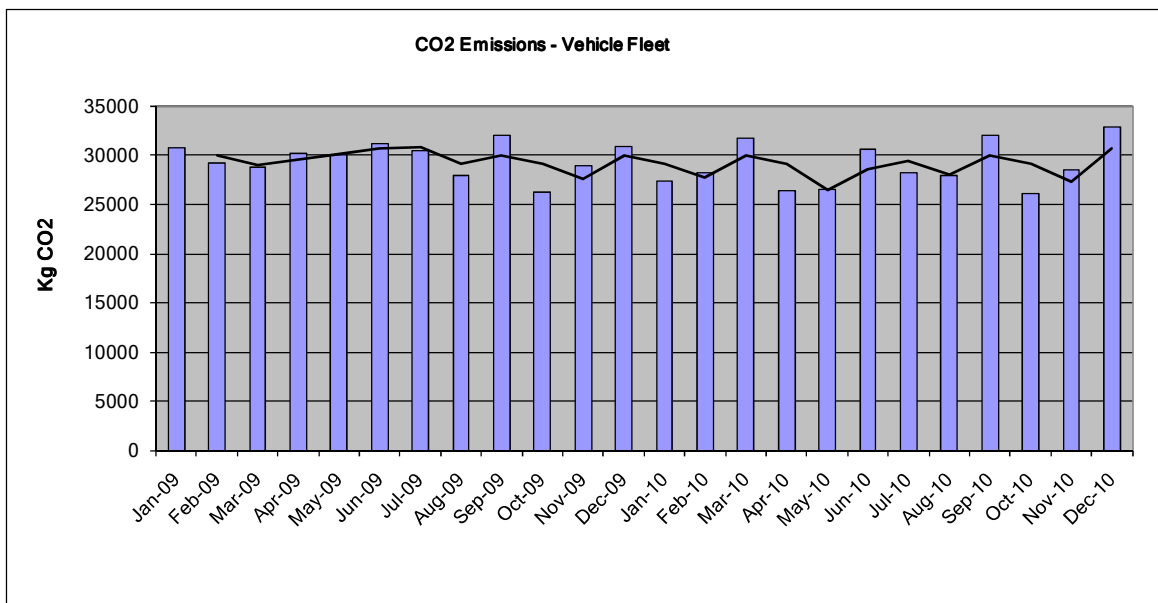
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Notes

Petrol produces emissions of 2.3 Kg of CO₂e per litre of fuel burned
 Diesel produces emissions of 2.7Kg of CO₂e per litre of fuel burned

Although diesel produces more CO₂ per litre plus a greater level of airborne particulates, diesel engines are hugely (still) more efficient than petrol and therefore the g/km of CO₂e are greatly reduced and therefore lower than an equivalent engine sized petrol car.



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Objective 3

Reduce amount of CO2 produced as a result of paper usage by BaxterStorey at the Waterfront for printing and copying

Target

Reduce the CO2 emissions by 10% by December 2010 based on annual consumption

Programme

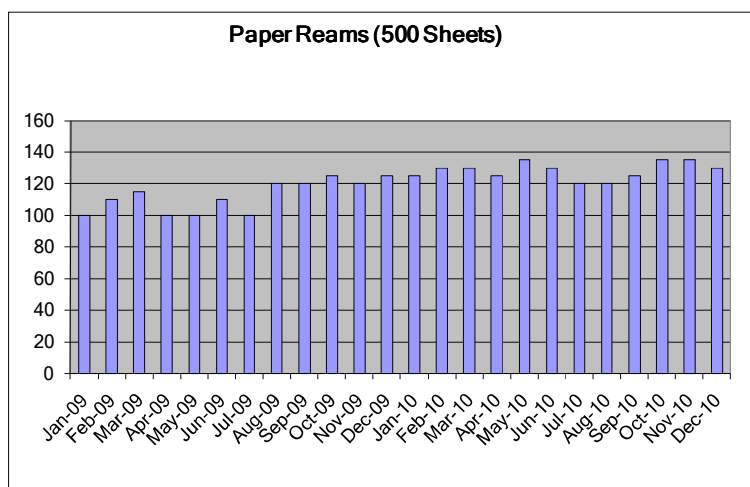
- Staff awareness campaign on duplex copying and printing and reading from screen
- Default setting changed to duplex on all printers
- Change to 100% post consumer waste paper for all copying and printing
- EDI
- Email 'Mime cast' archive facility enhancement

Progress

In June 2006 BaxterStorey changed to 100% post consumer waste recycled paper and duplex printing became the default on most printers.

Like for like comparison shows a saving of 3,977 Kg CO2 (4 tonne) against an equivalent volume of virgin paper.

In 2010 the average FTE is 204 with total reams of 1,540 this shows that in 2010 each member of the team at the waterfront used 7.58 reams of paper in the year or 0.63 reams per month (315 sheets per person per month or 15 sheets per day)



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Conclusion

The result is excellent and equates to a reduction of 175 sheets of paper per person per month or 8 sheets per day. The main reasons for this step change is an increase in the use of IT in terms of on line accounting and the use of EDI (electronic invoicing) which has meant that far less photo copying is undertaken.

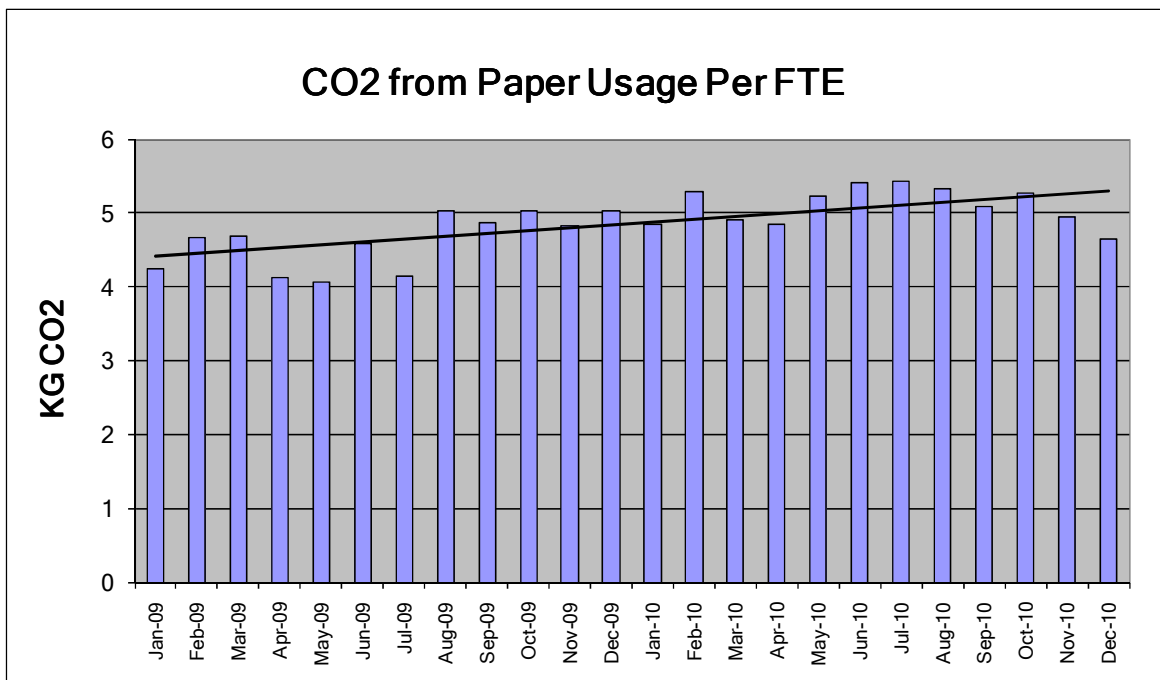
There has also been a companywide drive to encourage electronic storage of data with improved and enhanced file server size and email archiving.

Target for 2011 is a further reduction by 5%.

Notes

CO2 produced as a result of the manufacture of virgin paper equates to 9.5kg of CO2 per ream (one ream = 500 sheets)

CO2 produced as a result of the manufacture of recycled paper (100% post consumer waste) equates to 7.25kg per ream



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Objective 4

Increase volume of mixed recyclables at Waterfront and subsequent reduction in general waste produced per FTE

Target

10% increase in mixed recyclables in KG by December 2010 per FTE

Programme

- Staff awareness campaign on recycling and recycling process
- Number of general waste bins reduced to four small bins and mixed recycling bins increased to eleven

Progress

In the full twelve months of 2009 a total of 1,675 kg of general waste and 8,700 kg of mixed recyclable material were produced by BaxterStorey at the Waterfront. This equates to 0.23kg of total waste produced per FTE per day.

In the full twelve months of 2010 a total of 1,805 kg of general waste and 9,655 kg of mixed recyclable material were produced by BaxterStorey at the Waterfront. This equates to 0.24kg of total waste produced per FTE per day.

This shows an increase in general waste of just 130 kg or 7.7% and an increase in recycled material of 955 kg or 9%.

In total the amount of waste produced by BaxterStorey at the Waterfront has increased by 1,085 kg or by 10.4%. When compared to the number of FTE increases this represents an increase of 0.01kg per FTE per day

Conclusion

This is a disappointing result but can be apportioned to the large increase in supplier samples as a result of increase in volume managed by the office at Reading. Many samples are glass bottles of beverages which weigh a significant amount thus skewing the figures. For 2011 these figures will be split out for clarity.

As the population in the Waterfront as a whole has grown over the last year the cafe in the atrium has become extremely busy resulting in more staff bringing in their own lunch from home, this has resulted in less packaging being brought into the BaxterStorey area and hence less waste.

We have almost achieved our target of 10% increase and our target for 2010 is a further 5% improvement.

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Objective 5

Reduce the Air miles flown by the company relative geographic spread of locations

Target

Reduce CO2 emissions by 5% by December 2010 based on annual consumption pro rata

Programme

- Staff awareness campaign and travelling options review
- Laptop video conferencing
- Skype conference calling

Progress

In the full twelve months of 2009 a total of 69,174 miles were flown by BaxterStorey emitting 10,376 kg of CO₂e (10.4 tonnes).

In the full twelve months of 2010 a total of 60,312 miles were flown by BaxterStorey emitting 9,046 kg of CO₂e (9 tonnes).

This shows an decrease of 1,330 kg of CO₂, 1.3 tonnes or 12.8%, however in the same period the total number of BaxterStorey locations increased by 17% .

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Conclusion

BaxterStorey has achieved the 5% reduction year on year per site and the target is a further reduction of 5% making use of the latest video conferencing technologies.

During 2011 BaxterStorey will be opening its first locations in main land Europe although currently on a small scale.

It is suggested that the company will need to review its targets in this area with this in mind and establish policy on transport to these locations

