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Transforming Street Sweepings

CIWM Cleaner Communities Day

19th October 2017 – Towcester Racecourse



Introduction



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Recycling Mechanical Street Sweeping Waste

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Why did we do it?

Where have we done it?

How do we do it?

What next?



What are Street Sweepings?

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EWC : 20 03 03

Mechanically swept material
from streets and roads
predominantly made up of:

Stones

Sand

Soil

Leaves

Organic matter

Litter



Why?

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EA ban on composting of street sweepings in 2012

Local authority rates suffered



Disposal Costs Increased



Estimated annual sweeping tonnage:
500,000 tonnes



Solution- What we do

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Biffa builds street sweepings recycling facility in West Sussex opens in 2015

Hazardous organic residue treated at Biffa bio-remediation plant

60,000 tonnes pa capacity

EA-Approved process

Biffa first to Market with end-to-end solution

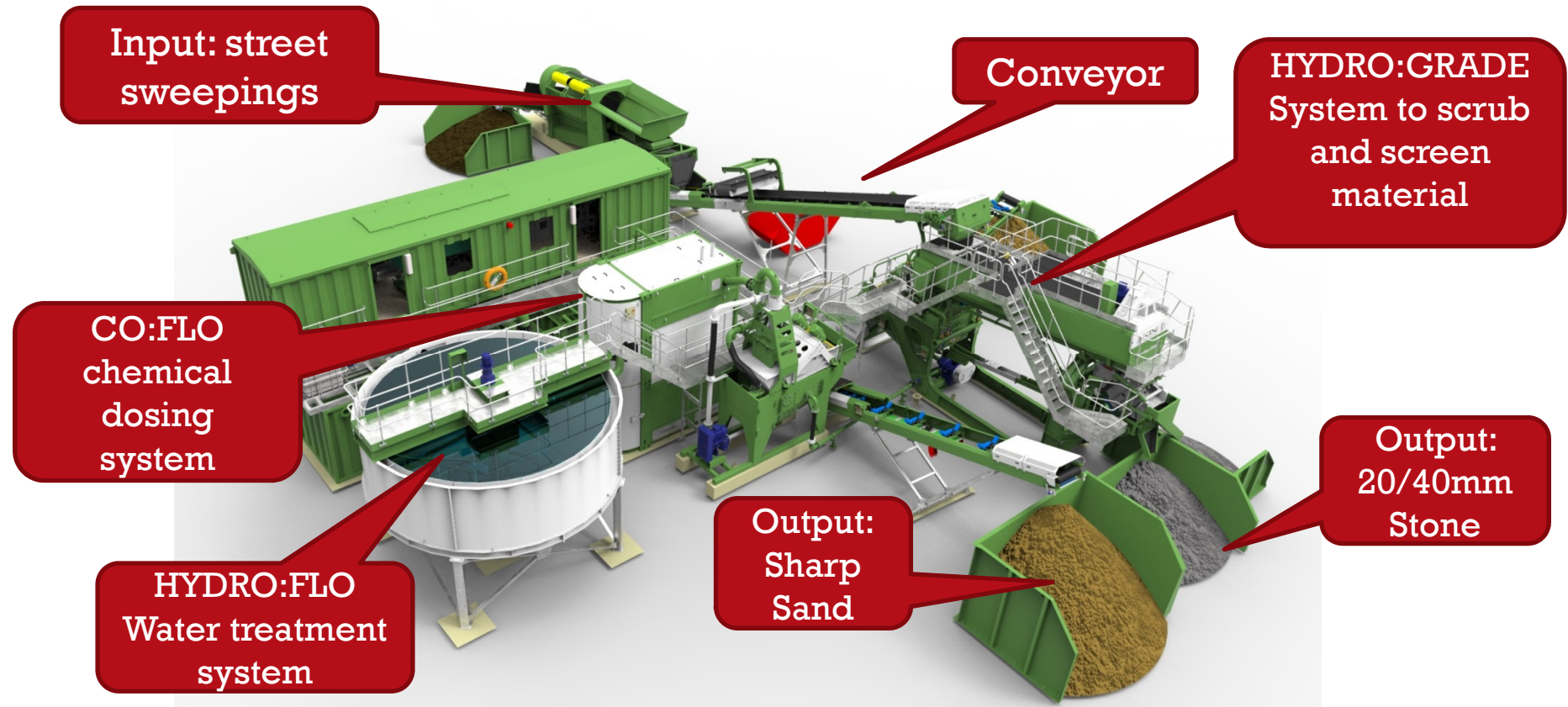
Recycles sweeping and gulley waste fractions for refuse/recycling

Residual to RDF or landfill



Biffa Brookhurst Wood ATRF – West Sussex

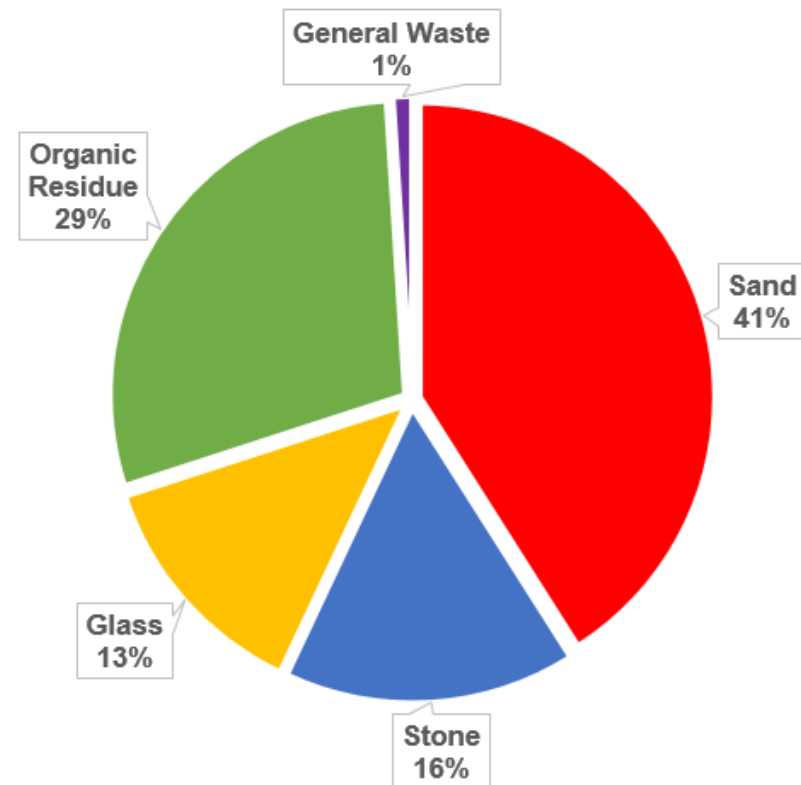
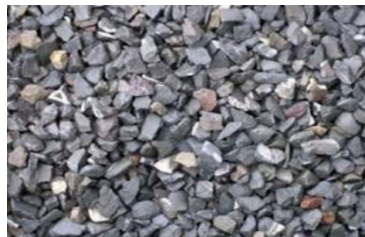
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The Outcome

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99% Recycled



Who we work with



Kent County Council and the
Mid Kent partnership

West London Waste Authority
(Suez)

West Sussex County Council

Cheshire West & Chester Council

Biffa's own material



Kent County Council

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**Kent
County
Council**
kent.gov.uk



Street cleansing arising's drivers for landfill/EfW diversion

Mid Kent
partnership
success a
platform

April 2016 -
March 2017
additional 6663
tonnes diverted

Total KCC
Tonnage
diverted 10788

"KCC has a strategic aim, to eradicate waste sent to a landfill. Biffa has agreed innovative arrangements which recycle highway sweepings across the country at its plant at Brookhurst Wood, through maximising material that previously could not be recycled or treated." **David Beaver** -
Commercial Manager at Kent Highway, Transportation and Waste, Kent County Council

Others

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Gulley arisings from Waste
Disposal Authorities

Commercial Street Sweepings –
Highways and Development projects

Residual waste
treatment arisings

The output material and Circular Economy

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Recovered Sand

Biffa's own works

Construction and
engineering

Recovered Stone and
Glass

Used for site
engineering

Organic Residue

Bio-treatment for
land restoration

General Waste

Less than 1%



The future

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Continue to explore future opportunities

Develop further facilities in UK

Closed loop – Sand + stone going back into client infrastructure projects

Work with suppliers on their R&D to further improve technical ability



Questions

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