

Calculations based on 13.9% increase unless otherwise indicated

4.80 % RPIx Oct

Landfill Increase Calculations

The current and future announced rates are as follows:

Material sent to landfill	Rate from 1 April 2021	Rate from 1 April 2022	Rate from 1 April 2023
Standard rated (per tonne)	£96.70	£98.60	£102.10
Lower rated (per tonne)	£3.10	£3.15	£3.25

1st April 2023
£103.70

Calculations based on Bubbenhall as 89% of pay-by-weight general waste delivered there ; Contracted increase is based on RICS set of indices but we have used RPIx as more easily

Treatment	Cost to WCC/tonne in 2023/24	Cost to WCC/tonne with RPIx inflation added	Landfill tax rate 2023-24	Total
Mixed/ General Waste	£29.90	£31.34	£103.70	£135.04

Haulage	Cost to WCC/tonne /mile in 2023/24	Rate to WCC with inflation added	PD to Bubbenhall miles	PD to Bubbenhall haulage cost
Mixed/ General Waste	£1.30	£1.36	12.4	£16.89

Treatment and Haulage	Total cost to	Total cost to WCC/100kg
Mixed/ General Waste	£151.93	£15.19

Pre rounding

Admin fee weighting	2	1.95	1.9	1.85	1.8
Bands	0 to 100 kgs	101 to 200 kgs	201 to 300 kgs	301 to 400 kgs	401 to 500 kgs
	100	200	300	400	500
100kg multiplier	1	2	3	4	5
General Waste	£30.39	£59.25	£86.60	£112.43	£136.74

New prices for 2024/25 (rounded up to nearest 50p manually)

Bands	0 to 100 kgs	101 to 200 kgs	201 to 300 kgs	301 to 400 kgs	401 to 500 kgs
General Waste	£30.50	£59.50	£87.00	£112.50	£137.00
Difference between bands		£29.00	£27.50	£25.50	£24.50

Other Materials Calculations

Prices for 2023/24 (rounded up to nearest 50p manually)

Weight Bands	0 to 100 kgs	101 to 200 kgs	201 to 300 kgs	301 to 400 kgs	401 to 500 kgs
Green Waste	£7.50	£14.50	£21.00	£27.50	£33.00

Soil/ Rubble	£5.00	£9.00	£13.00	£17.00	£21.00
Gypsum/ Plasterboard	£29.50	£57.50	£83.50	£108.50	£132.00
Chipboard/ Wood	£17.50	£29.50	£41.50	£53.50	£65.50
General Waste	£29.50	£57.50	£83.50	£108.50	£132.00

2024/25 pre rounding figures

Bands	0 to 100 kgs	101 to 200 kgs	201 to 300 kgs	301 to 400 kgs	401 to 500 kgs
Admin fee weighting	2	1.95	1.9	1.85	1.8
100kg multiplier	1	2	3	4	5
Garden Waste	£7.89	£15.38	£22.48	£29.18	£35.49
Soil/ Rubble	£6.17	£12.03	£17.59	£22.83	£27.77
Wood/ Chip	£9.16	£17.86	£26.10	£33.89	£41.22
Plasterboard	£35.92	£70.04	£102.37	£132.89	£161.63

New prices for 2024/25 (rounded up to nearest 50p manually)

Weight Bands	0 to 100 kgs	101 to 200 kgs	201 to 300 kgs	301 to 400 kgs	401 to 500 kgs
Green Waste	£8.50	£16.50	£24.00	£31.00	£38.00
Soil/ Rubble	£8.50	£16.50	£24.00	£31.00	£38.00
Gypsum/ Plasterboard	£36.00	£70.50	£103.00	£133.00	£162.00
Chipboard/ Wood	£17.50	£29.50	£41.50	£53.50	£65.50
General/ Mixed Waste	£36.00	£70.50	£103.00	£133.00	£162.00
		£8.00	£7.50	£7.00	£7.00

Operationally, having the plasterboard price a pound or so more per 100kg than general waste. They then put the plasterboard in the general waste skip, contaminating the general waste. As the price is so similar and the price for plasterboard didn't go up by 3.5 as calculated for

By volume calculations

		Car	Estate car/car derived	Small van or pick up	Twin cab pick-up or large 4 x 4
	Approx load volume m ³ (have assumed)	0.70	1.05	2.80	3.85
	Bulk density tonnes	tonnes	tonnes	tonnes	tonnes
Green Waste	0.24	0.17	0.25	0.67	0.92
Soil/ Rubble	0.86	0.55	0.75	1.00	1.30
Gypsum/ Plasterboard	0.31	0.22	0.33	0.87	1.19
Chipboard/ Wood	0.33	0.23	0.35	0.92	1.27
General/ Mixed Waste	0.175	0.12	0.18	0.49	0.67
General/ Mixed Waste	0.175				

Pre rounding

	Charges up to 300kg (admin x2)	Charges 301kg - 500kg (admin x 1.75)	Charges 501kg or more (admin x 1.50)	Car	Estate car/ car derived van
Green Waste	£78.87	£70.99	£61.13	£13.25	£19.88
Soil/ Rubble actual	£61.71	£55.54	£47.83	£26.30	£35.87
Gypsum/ Plasterboard	£303.86	£273.47	£235.49	£65.94	£89.02
Chipboard/ Wood	£91.60	£82.44	£70.99	£21.16	£28.56
General/ Mixed Waste	£303.86	£273.47	£235.49	£37.22	£55.83

New by volume prices for 2024/25 (rounded manually up to nearest £1)

Vehicle	Car	Estate car/car derived van	Small van or pick up	Twin cab pick-up or large 4 x 4	Trailers up to 6' length
Green Waste	£16	£22	£41	£57	£26
Soil/ Rubble	£26	£36	£47	£62	£35
Gypsum/ Plasterboard	£66	£89	£205	£280	£127
Chipboard/ Wood	£29	£40	£91	£124	£56
General/ Mixed Waste	£37	£56	£134	£159	£80

and 94% of PD general waste goes to Bubbenhall
y available

1.75	1.7	1.65	1.6	1.55	
501 to 600	601 to 700 k	701 to 800 k	801 to 900 k	901 to 1000	Over
600	700	800	900	1000	1000kg per
6	7	8	9	10	kg
£159.53	£180.80	£200.55	£218.78	£235.49	£250.00

					Over
501 to 600	601 to 700 k	701 to 800 k	801 to 900 k	901 to 1000	1000kg per
£160.00	£181.00	£201.00	£219.00	£236.00	kg
£23.00	£21.00	£20.00	£18.00	£17.00	£0.25

501 to 600 kgs	601 to 700 kgs	701 to 800 kgs	801 to 900 kgs	901 to 1000 kgs	1000kg per kg
£38.50	£44.00	£48.50	£53.00	£57.00	£0.06

£24.50	£27.50	£30.50	£33.50	£36.00	£0.05
£154.00	£174.50	£193.50	£211.00	£227.00	£0.21
£77.50	£89.50	£101.50	£113.50	£126.00	£0.13
£154.00	£174.50	£193.50	£211.00	£227.00	£0.21

					Over 1000kg per kg
501 to 600	601 to 700 k	701 to 800 k	801 to 900 k	901 to 1000	
1.75	1.7	1.65	1.6	1.55	
6	7	8	9	10	
£41.41	£46.93	£52.06	£56.79	£61.13	£0.61
£32.40	£36.72	£40.73	£44.43	£47.83	£0.48
£48.09	£54.50	£60.45	£65.95	£70.99	£0.71
£188.57	£213.71	£237.06	£258.61	£278.36	£2.78

501 to 600 kgs	601 to 700 kgs	701 to 800 kgs	801 to 900 kgs	901 to 1000 kgs	Over 1000kg per kg
£44.00	£50.00	£56.00	£60.50	£65.00	£0.066
£44.00	£50.00	£56.00	£60.50	£65.00	£0.066
£189.00	£214.00	£238.00	£259.00	£290.00	£0.30
£77.50	£89.50	£101.50	£113.50	£126.00	£0.13
£189.00	£214.00	£238.00	£259.00	£290.00	£0.30
£6.00	£6.00	£6.00	£4.50	£4.50	

waste caused some dishonest traders to declare plasterboard as general waste at with a potentially hazardous substance.

the previous year, the price for both will be set at the same.

Trailers up to 6' length	Bag	Assumptions
1.50	0.08	70% fill level
tonnes		
0.36	na	
0.75	na	weight lowered to carrying capacity
0.47	na	x2 b
0.50	na	x1.75 c
0.26	na	x1.50 d
	0.014	

Small van or pick up	Twin cab pick-up or large 4 x 4	Trailers up to 6' length
£41.08	£56.48	£25.55
£47.83	£62.17	£35.87
£204.41	£281.06	£127.16
£65.59	£90.19	£40.81
£134.00	£158.66	£79.76

Last year				
Car	Estate car/car derived	Small van or pick up	Twin cab pick-up or large 4 x 4	Trailers up to 6' length
£14	£19	£38	£52	£24
£20	£27	£36	£47	£27
£33	£49	£118	£140	£70
£29	£40	£91	£124	£56
£33	£49	£118	£140	£70

Actual costs

Price we pay for recycling	Price for haulage	and haulage	Miles	Cost per tonne	Cost per 100g	tonne with RPIx
£22.63		£37.63		£37.63	£3.76	£39.44

£5.60	£1.36		17.5	£29.44	£2.94	£30.86
£170.00	£1.36	£171.36		£171.36	£17.14	£179.59
£28.32		£43.70		£43.70	£4.37	£45.80

the weighbridge.

100g with RPIx	Weight Bands
£3.94	Green Waste

£3.09	Soil/ Rubble
£17.96	Gypsum/ Plasterboard
£4.58	Chipboard/ Wood