



2014 ENVIRONMENTAL DATA SUPPLEMENT

Canary Wharf Group is committed to improving and expanding the reporting of its environmental data across its major impact areas. As the figures demonstrate, we have made consistent improvements in most areas over recent years.

ENVIRONMENTAL DATA

ABOUT OUR ENVIRONMENTAL DATA

2012 data is the baseline for all our environmental performance data and future targets. To view earlier performance data, please refer to our 2012 Sustainability Report.

NORMALISATION

Due to the changing nature of the business and the addition and/or removal of buildings from our management portfolio, a like-for-like comparison and

normalisation of the data on energy and water consumption has been carried out to best reflect our year on year performance.

- Office buildings data covers three managed buildings and Canary Wharf Group's administrative areas – 75% of the managed buildings portfolio.
- Retail data includes five retail malls – our entire retail portfolio.
- Infrastructure and car parks data covers 100% of those areas.

Normalisation was worked out on the best fit for the type of operation due to the variation of operation and control between the different areas of the business:

- Office intensity is shown per occupant.
- Retail intensity is based on footfall, using an indicator of per 1,000 visitors.
- Infrastructure and car parks intensity is shown per m², and based on Gross Internal Areas (GIA). ♦

We have made consistent improvements in many areas over recent years

CANARY WHARF GROUP

ENERGY AND GREEN HOUSE GAS (GHG) EMISSIONS

ENERGY		ELECTRICITY		GAS		GAS FUEL OIL		TRANSPORT FUEL (DIESEL/PETROL)		LPG		TOTAL GHG EMISSIONS DIRECT	TOTAL GHG EMISSIONS INDIRECT
kWh	tCO ₂ e	kWh	tCO ₂ e	kWh	tCO ₂ e	kWh	tCO ₂ e	litres	tCO ₂ e	kWh	tCO ₂ e	tCO ₂ e	tCO ₂ e
82,497,573	34,631	73,595,527	32,389	6,150,669	1,132	2,167,657	560	584,316	155	0	0	1,846	32,785

Energy and water used by CWG in the operation of its managed buildings and construction. Energy supplied in kWh. GJ conversion is 0.0036 GJ/kWh

WATER

WATER (MAINS) IN		WATER (EXTRACTED FROM DOCK VIA PERMIT) IN		WATER (DISCHARGE BY EVAPORATION)		WATER (DISCHARGE TO FOUL SEWER)		WATER (DISCHARGE TO DOCK VIA PERMIT)	
m³		m³		m³		m³		m³	
428,881		3,888,000		61,163		367,718		3,888,000	

WASTE - BY DISPOSAL METHOD

RECYCLED		ANAEROBIC DIGESTION		COMPOSTED		ENERGY FROM WASTE (COMBUSTION)		LANDFILL		TOTAL WASTE
tonnes	%	tonnes	%	tonnes	%	tonnes	%	tonnes	%	tonnes
36,920	85.15%	1,336	3.09%	76	0.18%	4,797	11.08%	231	0.53%	43,282

CANARY WHARF MANAGEMENT LTD – BUILDINGS AND INFRASTRUCTURE

ENERGY AND GHG EMISSIONS

	ABSOLUTE ENERGY		ELECTRICITY LANDLORD AND TENANT		ELECTRICITY LANDLORD INFLUENCED		GAS LANDLORD AND TENANT		GAS LANDLORD INFLUENCED		GENERATOR FUEL OIL	
	kWh	tCO ₂ e	kWh	tCO ₂ e	kWh	tCO ₂ e	kWh	tCO ₂ e	kWh	tCO ₂ e	kWh	tCO ₂ e
2014	132,554,268	54,242	132,416,860	54,142	70,192,604	30,873	9,921,389	1,826	6,150,669	1,132	1,095,904	298
2013	142,669,294	67,088	144,087,157	64,188	76,741,913	34,187	14,661,143	2,698	8,799,934	1,619	744,999	202
2012	174,204,124	86,703	162,283,494	84,447	85,302,305	44,389	11,028,774	2,029	8,113,536	1,493	837,475	226

DIRECT AND INDIRECT GHG EMISSIONS

	GAS GHG EMISSIONS	GENERATORS GHG EMISSIONS	TRANSPORT FUEL GHG EMISSIONS	TOTAL DIRECT GHG EMISSIONS	ELECTRICITY GHG EMISSIONS	TOTAL INDIRECT GHG EMISSIONS
	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
2014	1,826	298	155	2,126	54,142	54,142
2013	2,698	202	172	2,900	64,188	64,188
2012	2,029	226	204	2,255	84,447	84,447

WATER

	WATER (MAINS) IN	WATER (MAINS) LANDLORD INFLUENCED	WATER (DISCHARGE BY EVAPORATION)	WATER (DISCHARGE TO FOUL SEWER)
	m³	m³	m³	m³
2014	434,363	403,137	61,163	341,974
2013	317,033	244,950	33,821	283,212
2012	450,116	387,361	0	450,116

WASTE

	OFFICE BUILDINGS			RETAIL BUILDINGS			INFRASTRUCTURE		
	2014	2013	2012	2014	2013	2012	2014	2013	2012
TOTAL WASTE (TONNES)	1,440.40	1,035.07	1,491	5,716.65	5,546.71	5,361	698.49	559.1	622
DISPOSAL METHODS									
Recycled (tonnes)	977.88	708.62	1027	2,887.82	2,398.62	2,102	299.26	121.8	53
% Recycled	67.89%	68%	69%	50.52%	43%	39%	42.84%	22%	9%
Combustion (tonnes)	503.01	310.01	412	1,560.66	2,343.57	2,979	293.41	341.9	492
% Combustion	33.11%	30%	28%	27.30%	42%	56%	42.01%	61%	79%
Anaerobic digestion (tonnes)	38.34	16.44	51	1268.17	804.52	274	29.66	23.34	0
% Anaerobic digestion	2.52%	2%	3%	22.18%	15%	5%	4.25%	4%	0%
Compost (tonnes)	0	0	0	0	0	0	76.16	72.68	83
% Compost	0%	0%	0%	0%	0%	0%	10.90%	13%	13%
Landfill (tonnes)	0	0	0	0	0	0	0	0	0
% Landfill	0%	0%	0%	0%	0%	0%	0%	0%	0%

CANARY WHARF CONTRACTORS LTD – CONSTRUCTION, DEMOLITION AND EXCAVATION

ENERGY AND GHG EMISSIONS								
	ABSOLUTE ENERGY		ELECTRICITY		GAS OIL		LPG	
	kWh	tCO ² e	kWh	tCO ² e	kWh	tCO ² e	kWh	tCO ² e
2014	4,474,676	1,804	3,402,923	1,516	1,071,753	262	0	0
2013	2,791,639	1,178	2,791,639	1,178	356,136	96.78	16,513	3.54
2012	4,167,787	2,169	4,167,787	2,255	0	0	0	0

ENERGY AND GHG EMISSIONS CONTINUED									
	TOTAL SPEND	ENERGY AND GHG EMISSIONS		ELECTRICITY PER £100K SPEND		GAS OIL PER £100K SPEND		LPG PER £100K SPEND	
		kWh	tCO ² e	kWh	tCO ² e	kWh	tCO ² e	kWh	tCO ² e
2014	£112m	4,015.60	1.62	3,038.32	1.35	977.28	0.27	0	0
2013	£233m	1,198.13	0.51	1,198.13	0.51	152.85	0.04	7.09	0.01
2012	£189.2m	2,202.85	1.15	2,202.85	1.19	0	0	0	0

WATER				
	WATER (MAINS INCOMING)	WATER (DEWATERING – INCOMING FROM DOCK) ¹	WATER (DISCHARGE TO FOUL SEWER)	WATER (DISCHARGE TO DOCK) ²
	m ³	m ³	m ³	m ³
2014	25,744	3,888,000	25,744	3,888,000
2013	30,734	2,334,000	30,734	2,334,000
2012	15,959	2,334,000	15,959	2,334,000

¹ 2012 and 2013 data has been restated due to a reporting error. ² 2012 and 2013 data has been restated due to a reporting error.

WATER CONTINUED					
	TOTAL SPEND	WATER (MAINS INCOMING) PER £100K SPEND	WATER (DEWATERING – INCOMING FROM DOCK)	WATER (DISCHARGE TO FOUL SEWER)	WATER (DISCHARGE TO DOCK)
		m ³	m ³	m ³	m ³
2014	£112m	22.99	375	22.99	375
2013	£233m	13.19	107.30	13.19	107.30
2012	£189.2m	8.43	136.89	8.43	136.89

WASTE									
	CONSTRUCTION			DEMOLITION			EXCAVATION		
	2014	2013	2012	2014	2013	2012	2014	2013	2012
TOTAL WASTE	7,295.83	13,091.19	8,764	1,615.72	1,805.10	16,870	26,515.37	1,264.5	1,2016
DISPOSAL METHODS									
Recycled (tonnes)	4,823.70	8,871.08	5,800	1,416.33	1,788.79	16,493	26,515.37	1,264.5	1,2016
% Recycled	66.12%	68%	66%	87.33%	99%	98%	100%	100%	100%
Combustion (tonnes)	2,249.99	3,787.29	2413	190.34	0	0	0	0	0
% Combustion	30.84%	29%	28%	11.78%	0%	0%	0%	0%	0%
Anaerobic digestion (tonnes)	0	0	0	0	0	0	0	0	0
% Anaerobic digestion	0%	0%	0%	0%	0%	0%	0%	0%	0%
Compost (tonnes)	0	156.42	170	0	0	0	0	0	0
% Compost	0%	1%	2%	0%	0%	0%	0%	0%	0%
Landfill (tonnes)	222.14	276.41	381	9.05	16.31	377	0	0	0
% Landfill	3.04%	2%	4%	0.56%	1%	2%	0%	0%	0%

ENERGY, CARBON AND WATER			
OFFICE BUILDINGS	2014	2013	2012
Energy (kWh)	36,094,435	39,520,721	41,236,091
Energy (kWh per occupant)	2,566	2,865	3,029
GHG emissions (tonnes)	15,735	15,992	20,937
GHG emissions (tonnes per occupant)	1.12	1.16	1.54
Electricity (kWh)	33,263,381	35,227,759	39,559,416
Electricity (kWh per occupant)	2,365	2554	2,906
Gas (kWh)	2,350,584	3,812,492	1,170,927
Gas (kWh per occupant)	167	276	86
Fuel oil (kWh)	48,0470	480,470	505,748
Fuel oil (kWh per occupant)	34.16	34.83	3715
Water (mains m³)	266,582	147,924	220,339
Water (mains m³ per occupant)	19	11	16
Water (discharge to sewer m³)	205,332.25	118,355	220,339
Water (discharge to evaporation m³)	60,895.77	29,569	0
RETAIL	2014	2013	2012
Energy (kWh)	21,998,829	23,874,927	21,226,914
Energy (kWh per 1,000 visitors)	306	249	307
GHG emissions (tonnes)	8,851	9,343	9,654
GHG emissions (tonnes per 1,000 visitors)	0.12	0.10	0.14
Electricity (kWh)	18,328,486	18,888,672	17,066,793
Electricity (kWh per 1,000 visitors)	255.27	197.09	247.07
Gas (kWh)	3,546,176	4,862,088	4,078,549
Gas (kWh per 1,000 visitors)	49.39	0	0
Fuel oil (kWh)	124,167	124,167	81,572
Fuel oil (kWh per occupant)	1.73	0	0
Water (mains m³)	92,941	39,948	51,973
Water (mains m³ per 1,000 visitors)	1.29	0.42	0.75
Water (discharge to sewer m³)	92,867.74	39,322	51,973
Water (discharge to evaporation m³)	73	626	0
INFRASTRUCTURE AND CAR PARKS	2014	2013	2012
Energy (kWh)	12,079,773	15,625,831	17,745,758
Energy (kWh per m²)	43.27	55.97	63.57
GHG emissions (tonnes)	5,305	6,946	9,234
GHG emissions (tonnes per m²)	0.02	0.02	0.03
Electricity (kWh)	11,642,491	15,539,454	17,745,758
Electricity (kWh per m²)	41.70	55.66	63.57
Gas (kWh)	0	0	0
Gas (kWh per m²)	0	0	0
Fuel oil (kWh)	437,282	86,377	0
Fuel oil (kWh per m²)	1.57	0.31	0
Water (mains m³)	2,292	31,327	65,473
Water (mains m³ per m²)	0.01	0.11	0.50
Water (discharge to sewer m³)	2,292	31,327	65,473
Water (discharge to evaporation m³)	0	0	0

TRANSPORT			
	2014	2013	2012
Fuel (kWh)	584,316	648,562	761,998
GHG emissions (tonnes)	155	172	204