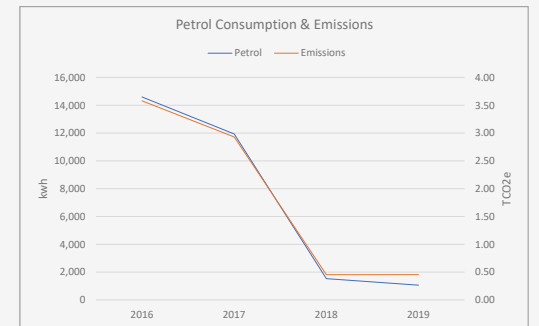
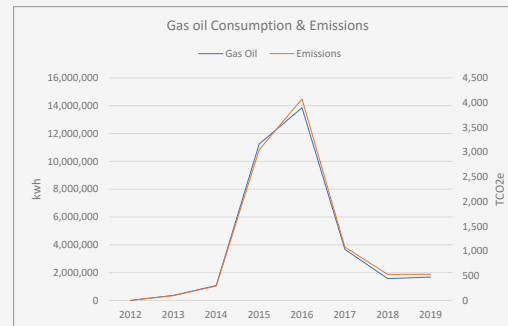
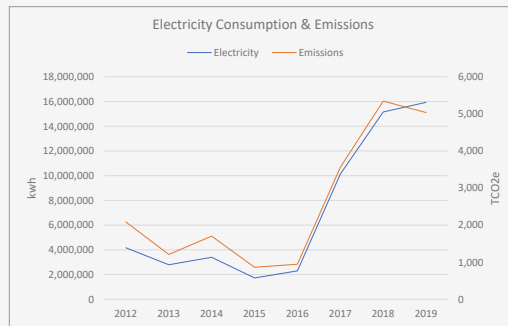
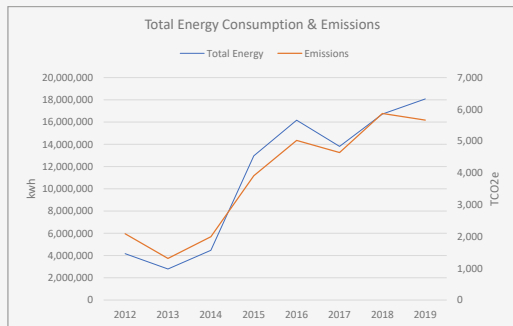


Canary Wharf Contractors

Energy and Greenhouse Gas Emissions (Scopes 1-3)

	ABSOLUTE ENERGY FIGURES		ELECTRICITY		GAS OIL		LPG		NATURAL GAS		PETROL	
	kWh	TCO _{2e}	kWh	TCO _{2e}	kWh	TCO _{2e}	kWh	TCO _{2e}	kWh	TCO _{2e}	kWh	TCO _{2e}
Change 2018-19	8.14%	-3.55%	5.16%	-5.80%	7.27%	0.95%	-	-	-	0%	-30.60%	-0.01%
2019	18,079,449	5,662	15,936,310	5,036	1,676,429	529	-	-	465,648	97	1,062	0.45
2018	16,718,355	5,870	15,154,007	5,346	1,562,818	524	-	-	-	0	1,531	0.45
2017	13,809,285	4,642	10,125,457	3,560	3,671,892	1,079	-	-	-	-	11,936	3
2016	16,169,357	5,024	2,297,055	947	13,857,703	4,073	-	-	-	-	14,598	4
2015	12,964,338	3,909	1,726,648	864	11,237,690	3,046	-	-	-	-	-	-
2014	4,474,676	1,993	3,402,923	1,703	1,071,753	290	-	-	-	-	-	-
2013	2,791,639	1,309	2,791,639	1,210	356,136	97	16,513	2	-	-	-	-
2012	4,167,787	2,085	4,167,787	2,085	-	-	-	-	-	-	-	-



Scope

Scope (Inclusions & Exclusions)

ELECTRICITY

Electricity usage typically includes onsite offices, welfare facilities, access lighting, cranes and other electrical plant & equipment. Electricity is typically procured directly by CWCL. For fit out projects in occupied buildings, electricity would typically be sourced by CWML.

FUELS (GAS OIL / LPG / PETROL)

Fuel consumption typically includes non-road mobile machinery (NRMM or plant), generators and the filling of fuel bowsers for further distribution. Fuel is typically procured by CWCL appointed trade contractors for use in their own or hired equipment. In the case of CWCL hired equipment, this would typically be procured by the appointed third party logistics provider. It does not include fuel associated with deliveries to site.

All normalised data includes Scope 1 and Scope 2 emissions (total fuel consumption and electricity used for the construction projects within the reporting period).

Estimation Techniques & Assumptions

ELECTRICITY

Where the electricity meters are not available and supplier invoices are not available or do not provide the required usage information, the usage previously recorded on the project is assumed to continue on a normalised basis or a similar project (type/ scale) is used to provide an assumed level of electricity consumption. Where meter readings are taken at greater than one month apart, a uniform consumption profile is assumed between the two readings.

FUELS (GAS OIL / LPG / PETROL)

It is assumed that fuel records uploaded by trade contractors are true and correct. A small amount of data verification is undertaken by the CWCL Sustainability Team to minimise the risk of misreported information by cross-referencing available delivery records.

Absolute/Source Data

Electricity: Meter Readings (kWh)

Gas Oil: Delivery Records (Litres)

LPG: Delivery Records (Litres)

Petrol: Delivery Records (Litres)

Conversion / Emission Factors

Department for Business, Energy & Industrial Strategy - Greenhouse gas reporting - Conversion factors