

NIVO ASSIST

BRIEFING DOCUMENT – No.28

CARBON FOOTPRINT REPORTING GUIDANCE

Achieving carbon neutral or net-zero carbon in your business across Scope 1, Scope 2 and Scope 3.

Determining the boundaries of each Scope. Measuring the amount of carbon dioxide for which your business is responsible under each Scope.

Setting science based targets. Net-zero by 2050.

Emissions reporting is generally split into 3 ‘scopes’:

- Scope 1 – Direct emissions from fuel combusted in company-owned or controlled facilities and vehicles
- Scope 2 – Indirect emissions from the generation of purchased electricity, steam, or heating and cooling that is consumed by the reporting company
- Scope 3 – All other upstream and downstream emissions in the value chain and within the assessment scope

Companies generally have the data needed to calculate their scopes 1 and 2 emissions from utility invoices and bills for petrol. The table for conversion is as follows:-

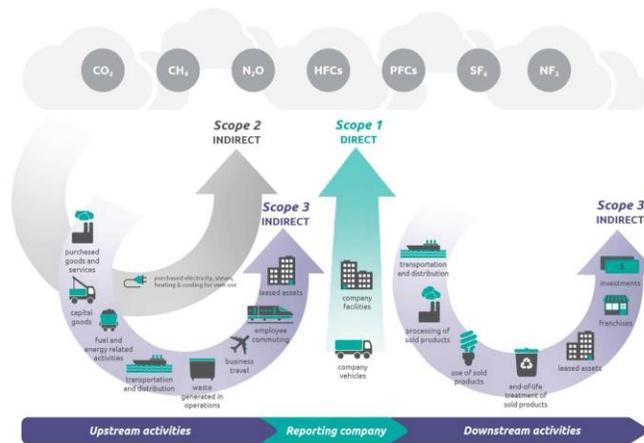
Energy Source	Unit	Conversion factor	Kg of CO2
Natural Gas	Cubic Metres	2.02135	
	KWh (net CV*)	0.20297	
Natural Gas	KWh (gross CV*)	0.18316	
Electricity	KWh	0.21233	
Diesel	Litres	2.70553	
Petrol	Litres	2.33969	

*CV is calorific value. Most invoices quote gross CV.

Once you have the figures then you need to have a plan of how to reduce it. This could be by finding a reduced tariff. NIVO supply members **OEM** can give you great advice and investigate this for you. You can also look into [‘Smart Export Guarantee’ or ‘SEG’](#) whereby you generate your own electricity and then sell that back to the grid. E.g. solar panels

There are other simple things we all can do such as shut doors and windows when it is particularly cold or turning lights off when they are not needed.

With regards to fuel many operators already plan their routes to be more efficient. If you need help look into the telemetry options that NIVO supply members have such as [VIANET](#) or [SB SOFTWARE](#). Also if you work with a fuel card company such as [FLEETMAXX SOLUTIONS](#) or [the fuelcard people](#), you can look at your online accounts. Maybe you need to change your lead times with your customers to ensure engineers can take the most efficient route.



More information [click here](#).

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