



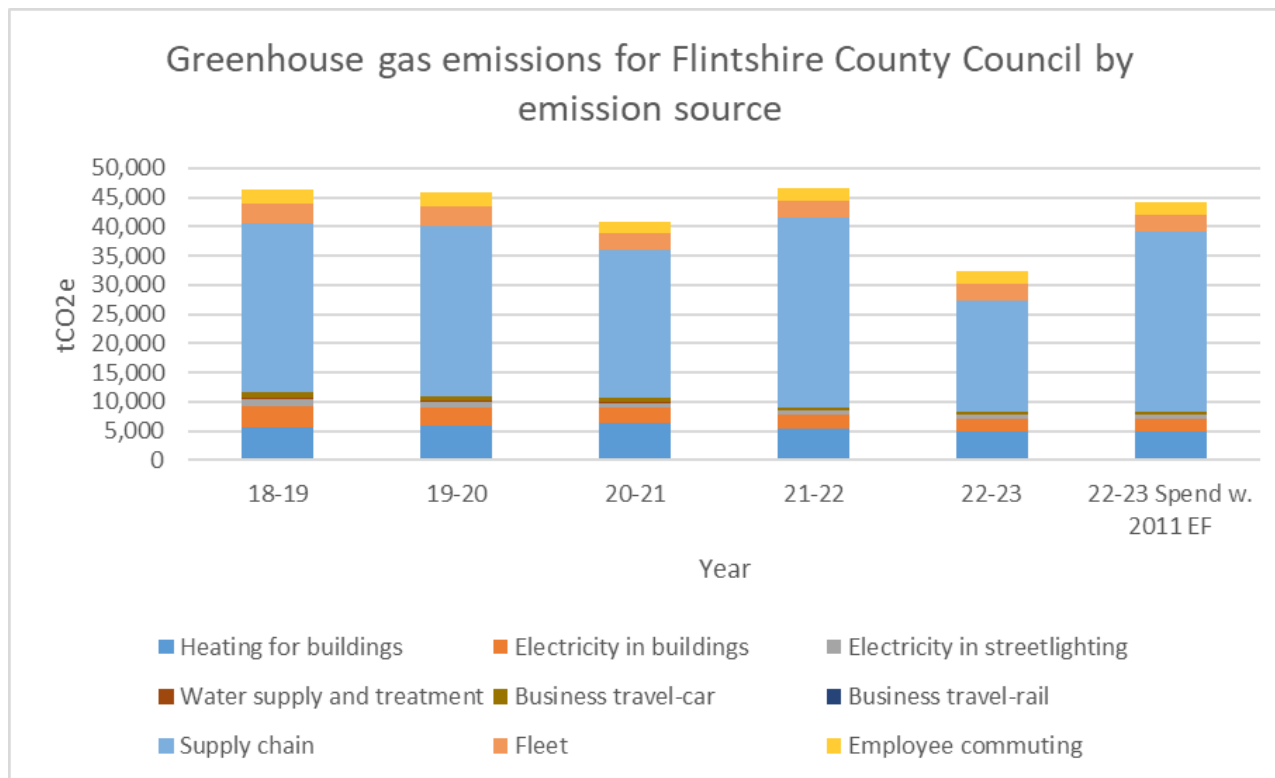
Decarbonising Procurement

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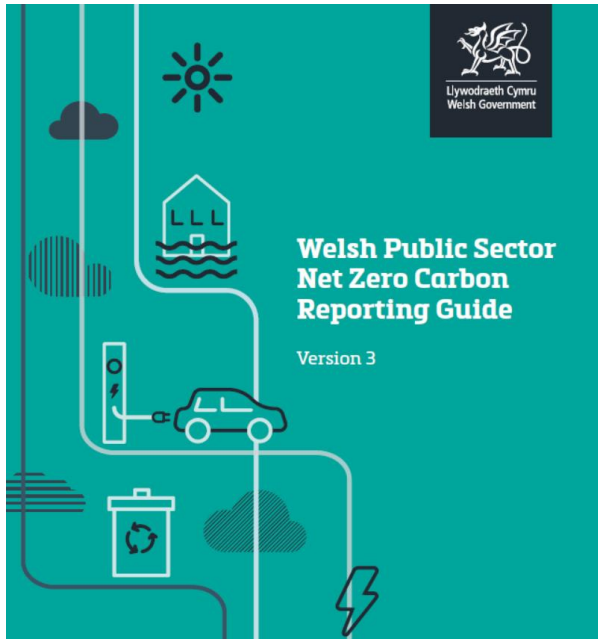
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Flintshire County Council Emissions

- Welsh Government Public Sector 2030 NZC ambition
- Council target to reach net zero carbon by 2030
- Supply chain accounts for approx. 70% of our carbon footprint



Calculating emissions from Supply chain



Welsh Public Sector Net Zero Carbon Reporting Guide

Version 3

SIC code (SIC 2007)	Product category	Amount spent by product category (£)	Emission factor (kgCO ₂ e per £ spent)	Total kg CO ₂ e
01	Products of agriculture, hunting and related services		2.189	
02	Products of forestry, logging and related services		0.282	
03	Fish and other fishing products; aquaculture products; support services to fishing		0.659	
05	Coal and lignite		1.883	
06	Crude petroleum and natural gas		0.868	
MINING AND QUARRYING	08	Other mining and quarrying products	0.692	
MINING AND QUARRYING	09	Mining support services	0.409	
MANUFACTURING	10.1	Preserved meat and meat products	0.766	
MANUFACTURING	10.2 -3	Processed and preserved fish, crustaceans, molluscs, fruit and vegetables	0.680	
MANUFACTURING	10.4	Vegetable and animal oils and fats	0.983	
MANUFACTURING	10.5	Dairy products	0.874	
MANUFACTURING	10.6	Grain mill products, starches and starch products	0.824	
MANUFACTURING	10.7	Bakery and farinaceous products	0.582	
MANUFACTURING	10.8	Other food products	0.696	
MANUFACTURING	10.9	Prepared animal feeds	0.747	
MANUFACTURING	11.01-6	Alcoholic beverages	0.745	
MANUFACTURING	11.07	Soft drinks	0.495	
MANUFACTURING	12	Tobacco products	0.705	



Climate Change Strategy



Theme	Baseline tCO ₂ e	Reduction		
	2018/29	2020/21	2024/25	2029/30
Buildings	10,747	8%	35%	60%
Mobility & Transport	6,716	49%	50%	80%
Procurement	28,970	12%	30%	60%

Figure 5: Flintshire County Council's carbon emission milestones to 2030



Action Plan to Net Zero Carbon – actions under each theme

Appendix 2 Action Plan to Net Zero Carbon

Climate Change Programme Action Plan

Ref.		duration
CCP1	 <h3 data-bbox="510 396 1136 505">The journey to net zero: Procurement</h3> 	
CCP2	<p data-bbox="510 562 1363 585">The public sector has nurtured a productive, near zero carbon Welsh supply chain.</p>	
CCP3	<p data-bbox="272 601 436 696">Achieving our goal 2026–2030</p> <p data-bbox="510 608 1495 659">Suppliers are incentivised through proportionate evaluation criteria to proactively seek further opportunities to reduce climate impacts.</p> <p data-bbox="510 681 1566 732">Staff are empowered to challenge the status quo – requesting zero carbon alternatives is routine and use of alternative business models is fully supported.</p> <p data-bbox="510 779 1586 831">By applying the tools developed in the Getting Started phase, and the principles of a Circular Economy, we are rapidly reducing the carbon impact of our goods and services in line with our interim targets.</p>	
CCP5	<p data-bbox="272 818 436 913">Well on our way 2022–2026</p> <p data-bbox="510 853 1557 905">Targeted support and skills development within the supply chain to increase the proportion of Welsh suppliers who can deliver the required goods and services and are, therefore, eligible for contracts.</p>	
CCP6	<p data-bbox="510 925 1611 948">All purchasing activities have a robust carbon reduction phase built in at the earliest stage and throughout.</p> <p data-bbox="510 996 1611 1048">We gain a good understanding of our estimated £6bn / 3 million tonnes CO₂e per annum procured goods and services, and its emissions profile and supplier base.</p>	
CCP7	<p data-bbox="272 1032 436 1128">Moving up a gear 2021–2022</p> <p data-bbox="510 1071 1619 1122">Development of guidance, tools and training that will be targeted at procurement professionals to support the reduction of carbon throughout the procurement lifecycle.</p>	programme
CCP8	<p data-bbox="510 1146 1528 1169">Suppliers are sent a strong signal regarding future low carbon requirements and staff are trained.</p>	programme



Key focusses:

- **Improving carbon footprint data from procurement**

Better understanding, data collection and reporting on ACTUAL emissions from procured contracts – voluntary at first, and then amendment of contract to request carbon emissions data (comes with support, guidance, tools)

- **Choosing lower carbon procurement options**

Implementation of carbon element within tender process so that weighting is given to a tender that can deliver with lower carbon impacts



Joint Procurement Team with Denbighshire County Council. Investment in dedicated resource – Procurement Business Partner – Decarbonisation.





Better understanding emissions from procurement

Prioritising supplier engagement –

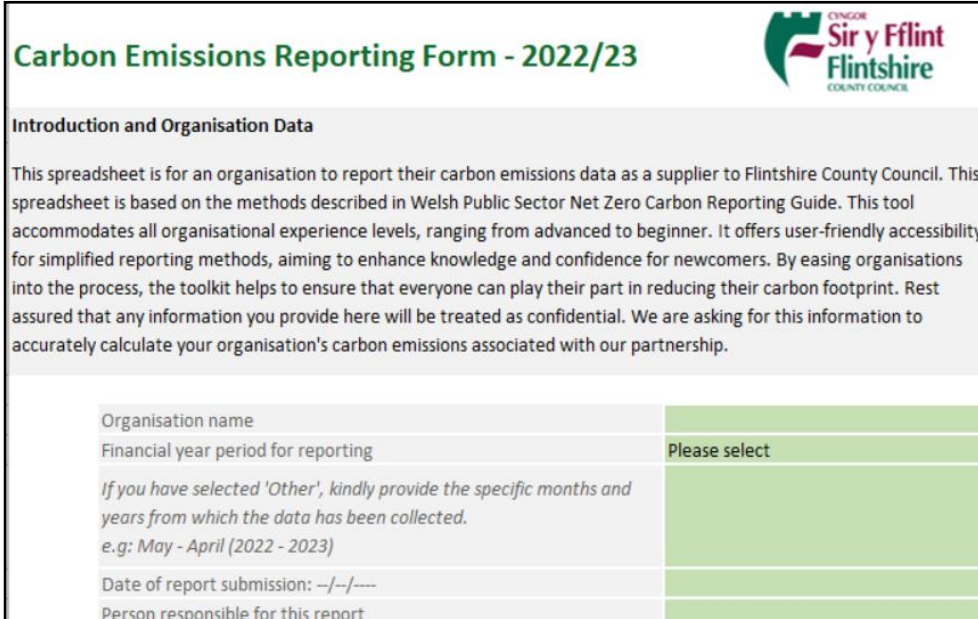
- Identify big spend areas from carbon reporting
- Identify top suppliers in spend categories
- Consider frequent suppliers – those with built rapport
- Work with external groups and networks such as Deeside decarb forum, Mersey Dee alliance, NWMD Business Council, etc.
- Support for SMEs with less experience in emissions reporting

Product category	Amount spent by product category (£)	2023 Emission Factor Update	Total kg CO ₂ e	% change 22-23 from 18-19 baseline	Notes on data source and exclusions
Social care services		0.13	4924302.77	35	Thomsons - Social Services; Home Care Services; After School Care; Carers & Home Help Services; Childcare Services; Residential Care Homes; Sheltered Housing; Disability & Special Needs - Services
Education services		0.07	963457.54	109	Thomsons - Educational Services; Educational Equipment & Supplies; Educational Training Providers; Playgroups & Pre-School Education; Schools & Colleges - Further Education; Universities & Medical Schools; Drama Schools; Schools - Sports & Leisure Activities; Schools - Independent & Preparatory; Riding Schools Livery Stables & Equestrian Centres; Catering Schools; Dancing Schools; Driving Schools; Language Schools; Schools - Special; Schools & Colleges - Grant Maintenance
Real estate services on a fee or contract basis		0.08	463681.07	505	Thomsons - Estate Agents & Property Buyers; Property & Estate Management
Architectural and engineering services; technical testing and analysis services		0.16	933503.78	-22	Thomsons - Architects; Architectural Services; Landscape Architects & Designers; Civil Engineers; Design Engineers; Engineers General; Engineers Consulting; Engineers Merchants; Engineers Materials; Structural Engineers; Electrical Engineers
Fabricated metal products, excl. machinery and equipment and weapons & ammunition - 25.1-3/25.5-9		0.52	2483837.20	1125	Thomsons - Steel Fabricators & Erectors; Steel Stockholders; Hardware Merchants & Ironmongers; Architectural Ironmongers; Metal Products - Fabricated; Metal And Metal Goods Manufacturing; Non Ferrous Metals; Stainless Steel Manufacturers; Wrought Ironwork
Construction ⁴		0.24	1116247.71	-75	Thomsons - Construction Contractors - General



Better understanding emissions from procurement

Integration of carbon emissions reporting form, developed by Newport City Council



Carbon Emissions Reporting Form - 2022/23

Introduction and Organisation Data

This spreadsheet is for an organisation to report their carbon emissions data as a supplier to Flintshire County Council. This spreadsheet is based on the methods described in Welsh Public Sector Net Zero Carbon Reporting Guide. This tool accommodates all organisational experience levels, ranging from advanced to beginner. It offers user-friendly accessibility for simplified reporting methods, aiming to enhance knowledge and confidence for newcomers. By easing organisations into the process, the toolkit helps to ensure that everyone can play their part in reducing their carbon footprint. Rest assured that any information you provide here will be treated as confidential. We are asking for this information to accurately calculate your organisation's carbon emissions associated with our partnership.

Organisation name	
Financial year period for reporting	Please select
<i>If you have selected 'Other', kindly provide the specific months and years from which the data has been collected. e.g: May - April (2022 - 2023)</i>	
Date of report submission: --/--/----	
Person responsible for this report	

- Still in early stages of implementing and engagement with suppliers is ongoing
- Started working with top suppliers during Q4 2023/24 to establish Scope 1 and 2 emissions

Better understanding emissions from procurement

Engagement within capital works programme – working with contractors early to establish Embodied carbon targets and monitoring throughout contract.

- NZCio school value £15 million
- Theatre refurbishment value £42 million
- NZCio care home value £16 million



Action taken to reduce emissions

Integration of carbon within key decision making tools:

- Integrated Impact Assessment – Carbon and Co-benefits Decision Support tool developed with Centre for Climate Change and Social Transformations (CAST) and University of Manchester
- Capital business case template – mandatory environmental option
- Procurement strategy – sets out commitments to net zero carbon and integration of carbon measures into procurement
- Commissioning form – mandatory sign off by Climate change team
- Collaborative procurement opportunities



Centre for **Climate Change**
and **Social Transformations**

MANCHESTER
1824

The University
of Manchester

Action taken to reduce emissions

Utilisation of carbon measures within TOMS social value framework as short term measure and to raise awareness and exposure of carbon requirements with suppliers for large value contracts

NT31	Savings in CO2 emissions on contract not from transport (specify how these are to be achieved).	These could result e.g. from a deliberate programme aimed at changing industrial processes. This could also result from car miles saved (e.g. cycling to work or carpooling initiatives for employees - NT32) or participating within the EU ETS and grid electricity should be recorded and valued separately as per B8 (https://www.gov.uk/government/publications/valuation-of-energy-use-and-greenhouse-gas-emissions) and NT33.
NT32	Car miles saved on the project (e.g. cycle to work programmes, public transport or car pooling programmes, etc.)	These could be resulting from cycle to work programmes for employees or sustainable company transport or carpooling initiatives. Attribution should be taken into account when programmes span beyond the contract period. Document for worked out examples on attribution. Should not be double counted with NT31.
NT33	Number of low or no emission staff vehicles included on project (miles driven)	This covers low emission staff vehicles - those emitting less than 75 grams of CO2 per kilometre. Mileage should be taken into account when such vehicles are not used exclusively on the contract. Please see the tool for worked out examples on attribution. Should not double count with NT31.
NT34	Voluntary time dedicated to the creation or management of green infrastructure, to increase biodiversity, or to keep green spaces clean	See previous definition of volunteering time (NT29). Relevant initiatives might include e.g. operating and maintaining green spaces, etc. Please include only the amount of volunteering that has been provided by staff on the contract as a direct result of an activity organised by the organisation and agreed with the employee. Should not be double counted with NT8, NT17, NT25, NT26, NT27, NT28.
NT35	Percentage of procurement contracts that includes sustainable procurement commitments or other relevant requirements and certifications (e.g. to use local produce, reduce food waste, and keep resources in circulation longer.)	Percentage of contracts with the supply chain that includes requirements on sustainable procurement. Future as "...a process whereby organisations meet their needs for goods, services, works and utilities on a basis in terms of generating benefits not only to the organisation but also to the wider community." See government guidance on tools here: https://www.gov.uk/guidance/sustainable-procurement
NT36	Other measures (£) - please describe any additional initiatives that you would like to make and £ to be invested	This would include innovative solutions, or initiatives that are not covered by other measures. The additional initiatives and resources invested should be recorded. The additional initiatives should be made explicit.
NT37	Other measures (hrs) - please describe any additional initiatives that you would like to make and hrs to be committed (No. expert hrs)	This would include innovative solutions, or initiatives that are not covered by other measures. The additional initiatives and resources invested should be recorded. The additional initiatives should be made explicit.
NT38	Other measures (hrs) - please describe any additional initiatives that you would like to make and hrs to be committed (No. voluntary hrs)	This would include innovative solutions, or initiatives that are not covered by other measures. The additional initiatives and resources invested should be recorded. The additional initiatives should be made explicit.



National TOMs
Wales

TOMs Cenedlaethol
Cymru

Action taken to reduce emissions

Integration of WLGA developed tool for identifying relevant quality questions for tenders

#SPILLI - Selection criteria questionnaire				
Id	Guidance	Sector	Sub sector	Example wording/Evidence
SC.1	The tendering company should supply a Carbon Reduction Plan for organisational scope 1 and 2 carbon emissions	All	All	Suppliers are required to provide details of the organisational environmental
SC.2	The tendering company should supply a Carbon Reduction Plan for organisational carbon emissions (including recommend	All	All	Suppliers are required to provide details of the organisational environmental
SC.3	The tendering company should supply a Carbon Reduction Plan for organisational carbon emissions which meets the requi	All	All	Suppliers are required to provide details of the organisational environmental
-	-	-	-	-
# Tender specification				
Id	Guidance	Sector	Sub sector	Example wording/Evidence
	When filtering always select 'All' in addition to relevant			
TS.6	Projected building energy performance	Construction	All construction	Suppliers should provide a projected energy performance certificate (EPC) level.
TS.7	Strategy and plan to manage waste	Construction	All construction	*1. Minimum [xx] % of non-hazardous construction waste generated by the project and
TS.8	Resource management plan	Construction	All construction	Before starting on site, the project team shall submit a copy of the Resource
TS.9	Demolition plan (including Scope 1 and 2 emissions, landfill reduction plan, waste management plan, waste reduction pla	Construction	All construction	*Please tell us how you will work to support us achieve our targets for waste by
TS.10	LCA of buildings	Construction	All construction	Suppliers to produce a life cycle assessment of the building
TS.11	LCA /EPDs of materials to be used	Construction	New Build / Retrof	Suppliers to produce a life cycle assessment of the materials to be used in
TS.12	Heating and cooling system installed to be low-carbon / energy efficient	Construction	New Build / Retrof	Suppliers to provide proposed cooling system specification
TS.13	Proof of limited emissions of VOCs	Construction	All construction	Suppliers should provide evidence of how will emissions of VOCs and NMVOCs be
TS.14	Projected emissions from material transport to and from site	Construction	All construction	Suppliers to provide projected transport emissions to and from site
TS.15	Verification of material supply (origin and supply chain)	Construction	All construction	Suppliers to provide evidence of material supply origin
TS.16	Proportion of recycled materials (of material bill excluding HVAC)	Construction	New Build / Retrof	Suppliers to provide details of the proportion of recycled materials included in the bill
TS.17	Minimum 15% recycled/re-used materials, or by-products (RAP, SCMs, secondary aggregates, recycled aggregates)	Construction	Road Construction	Suppliers to provide evidence of the use of a minimum 15% recycled/re-used materials,
TS.18	Satisfactory road-resistance minimisation design in road sections of high traffic volume with steady or accelerating traffic f	Construction	Road Construction	-
TS.19	LCA of main road elements (earthworks and groundworks; sub-base and road-base; base, binder and concrete slabs or surff	Construction	Road Construction	Supplier to supply LCA of main road elements (earthworks and groundworks; sub-base a
TS.20	LCA of main road elements (as above+Ancillary elements)	Construction	Road Construction	Suppliers to provide an LCA of main road elements (as above+Ancillary elements)
TS.21	Minimum durability requirements: 40 years for the sub-base of semi-rigid and rigid pavements and concrete slabs	Construction	Road Construction	Suppliers to provide an LCA of main road elements (as above+Ancillary elements)
TS.22	Minimum durability requirements (15 years for binder course; 20 years (Core) for the base course for flexible/semi-rigid	Construction	Road Construction	Minimum durability requirements (15 years for binder course; 20 years (Core) for the bas
TS.23	Maximum laying temperature of bituminous mixture to be 140C	Construction	Road Construction	Maximum laying temperature of bituminous mixture to be 140C
TS.24	Maintenance plan provided	Construction	Road Construction	Maximum laying temperature of bituminous mixture to be 140C
TS.25	LED-based light product lifetime (minium requirements)	Construction	Road Construction	LED-based light product lifetime (minium requirements)
TS.26	Repair and provision of LED modules and parts covered by warranty by a minimum of 5 years from installation	Construction	Road Construction	Repair and provision of LED modules and parts covered by warranty by a minimum of 5 y





Next steps:

- Continuing support with Commissioning officers to understand areas of carbon impact within contracts, integrating carbon thinking at early stages of project development and including quality tender questions around carbon
- Continuing working with SMEs, suppliers and businesses across the county to better understand emissions sources, data collection and reporting
- Revisiting baseline data and interim targets for supply chain to better reflect 2019 Emission Factors