Going Beyond Net-Zero

Leading the way in the public sector

Webinar 6 May 2020

Agenda

- Welcome - George Tarvit, SSN Project Director

- SSN member survey - June Graham, SSN Engagement

- ZWS Net-Zero Draft Plan - Fraser Millar, ZWS Environmental Analyst

- Q & A session

- Next steps

SSN Member Survey

16 Questions & 5 interviews
20 organisations (21 responses)

10 councils
3 Education

1NHS
6 National

| Emission sources and sinks | Planning for Net Zero | Assump-tions | Monitoring & forecasting | Support needs |

Emission sources and sinks
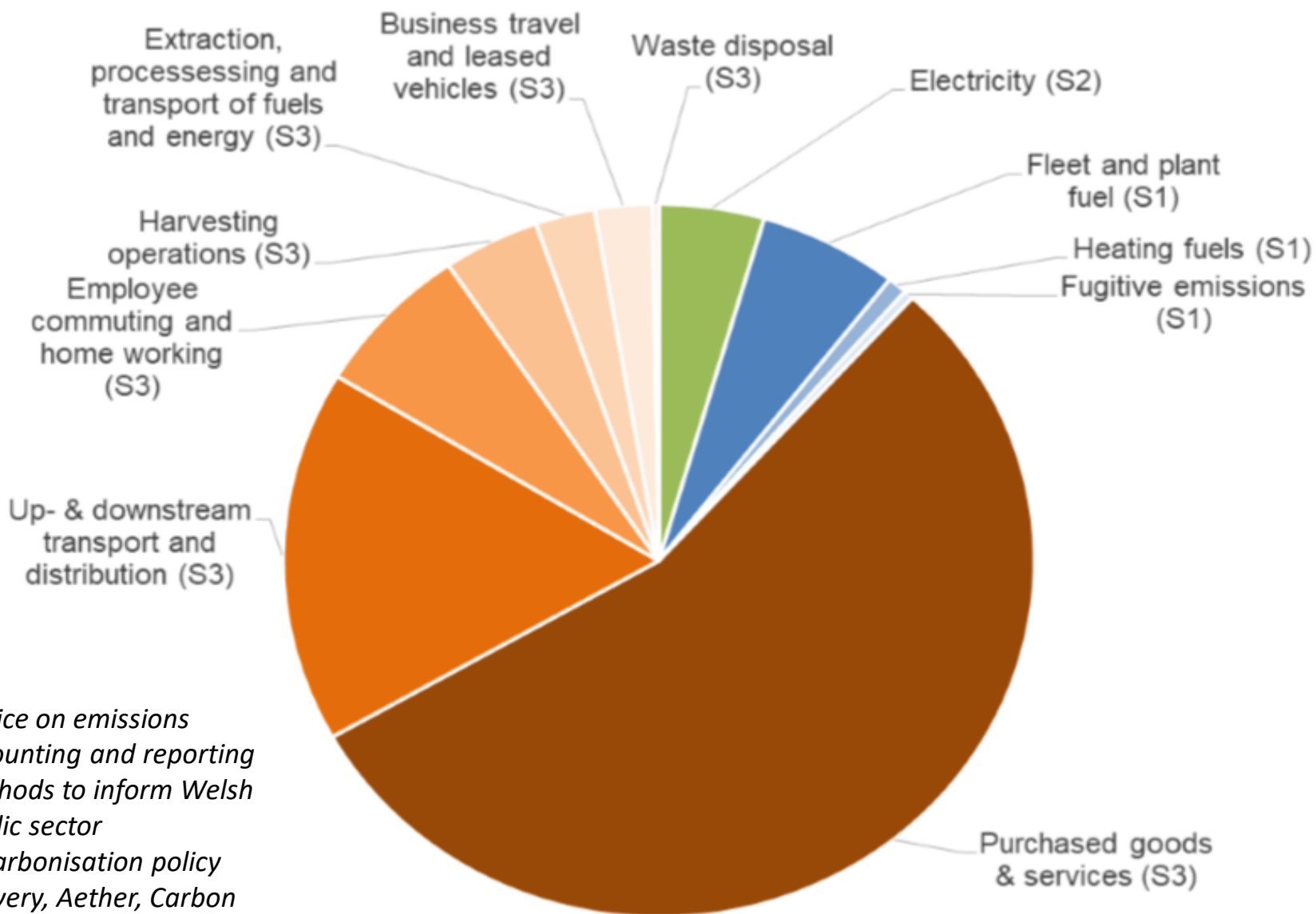

Scope 3

- under-reported - substantive source
- travel, waste, water
- procurement supply chain
- rules and tools?

Carbon sinks

- 60% not considered, ltd/ no sinks
- some starting to consider
- greenspace / biodiversity audit
- engaging consultants, software
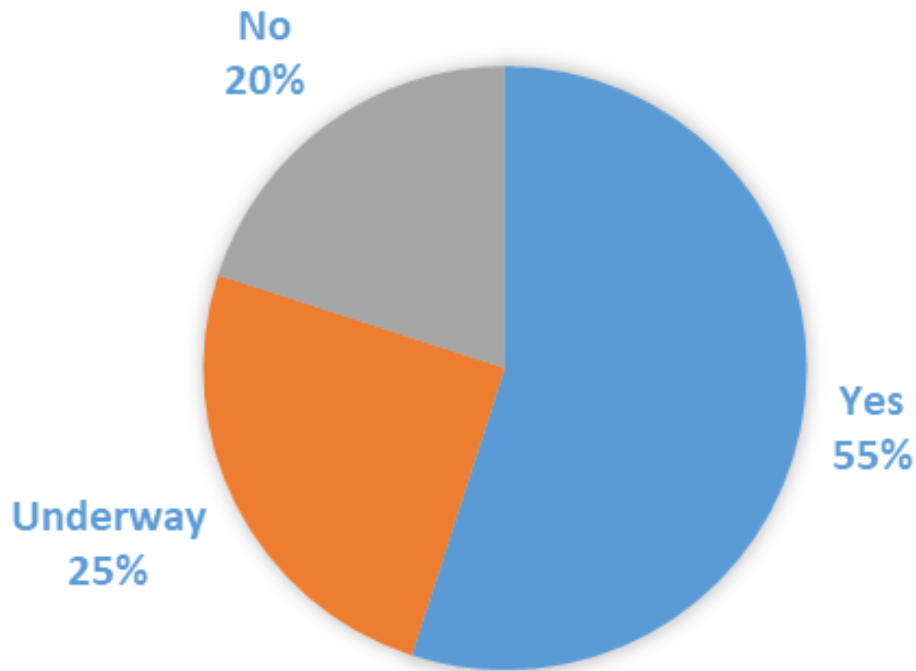

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Figure 1 GHG Inventory for NRW, by category and Scope (data source: Carbon Positive Project Summary Report, January 2018 – some categories have been collated to aid presentation)

Advice on emissions accounting and reporting methods to inform Welsh public sector decarbonisation policy delivery, Aether, Carbon Forecast, May 2019

Planning for Net-Zero
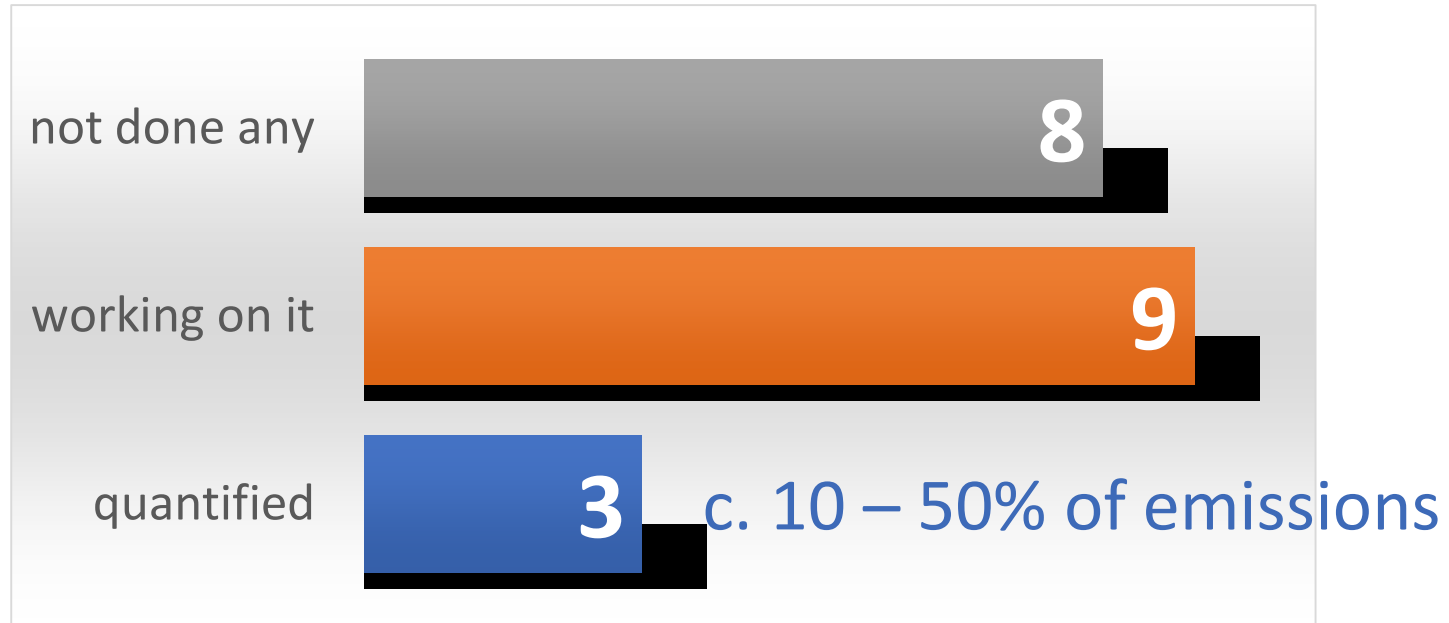

Net-zero target agreed?

Majority aligned with Scottish Government targets

- Aberdeenshire Council: developing 10 year action plan

- W. Dunbartonshire Council: annual budgets, % reductions and 5 year review periods; 2019-20 new baseline

- Fife College: 4% reduction p.a. from 2019 baseline

Strathclyde University:

70% by 2025 / 80% by 2030 / net-zero by 2040

Determined residual emissions?

not done any	8
working on it	9
quantified	3 c. 10 – 50% of emissions

- commuting
- flights
- water
- gas heating

- processes
- refrigerants
- medical gases
- back-up generators

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Emission reduction assumptions?

- Grid will decarbonise (according to BEIS forecast rates)

- Gas heating will be phased out under government policy

- Continued fleet electrification

- No offsetting (carbon credits) will be allowed for the public sector

- Supply chains will decarbonise

Behaviours?

- difficult to predict
- tricky to implement /stick
- hard to quantify and attribute

"…that we can reduce impact of business travel and staff/student commuting by 3% pa to 2035, despite higher staff/student numbers." University of Glasgow

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Emissions monitoring and forecasting?

BEIS UK Emission Factors

Carbon Footprint Project Register

energy management software

Scottish Waste Carbon Metric

HESCET – higher education supply chain emissions tool

ePC – procurement team

bespoke spreadsheets

travel management services

BEIS UK Energy and Emissions Projections

key performance indicators

utility bills, expense claims

Public Bodies Duties template

~~PROCXED~~

Support needs?

Rules

Guidance, methods & standards

Data specs, e.g. scope 3

GHG Protocol Principles

Definitions and terminology

Net Zero v absolute zero?

Tools

Forecasting, scenario planning

Trend analysis and budgeting

Assessing carbon sinks

Comparative assessments of tools

Budgeting and spend profiles

Training

Measuring scope 3 emissions

Determining residual emissions

Business travel accounting

Training for senior staff, elected members

Wider impact

Learning

Influencing others – leaders, supply chains etc.

service-led events e.g. planning, energy, transportation

Events for leaders, decision-makers

Tackling tensions e.g. increased "numbers"

CPD on changing policy, priorities, practice

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Proportionality

Figure 11 Ease of collection versus importance in footprint

Support needs?

Rules	Tools	Training	Learning
Guidance, methods & standards	Forecasting, scenario planning	Measuring scope 3 emissions	Influencing others – leaders, supply chains etc.
Data specs, e.g. scope 3	Trend analysis and budgeting	Determining residual emissions	service-led events e.g. planning, energy, transportation
GHG Protocol Principles	Assessing carbon sinks	Business travel accounting	Events for leaders, decision-makers
Definitions and terminology	Comparative assessments of tools	Training for senior staff, elected members	Tackling tensions e.g. increased "numbers"
Net Zero v absolute zero?	Budgeting and spend profiles	Wider impact	CPD on changing policy, priorities, practice

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