

# Retrofitting buildings and sustainable sourcing



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# Agenda



Introduction and recap

Roger Curtis



Technical Research Manager,  
Historic Scotland,  
Holyrood Lodge Retrofit Case  
Study



Retrofitting museum and  
cultural organisation  
buildings for better  
sustainability



Sustainable sourcing

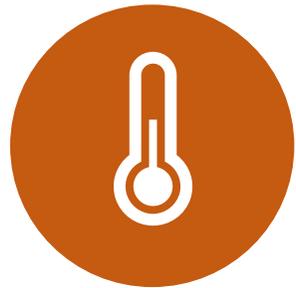
# Recap – Energy workshop



How efficient is the operation of our heating? Stan Rayfield



Benchmarking



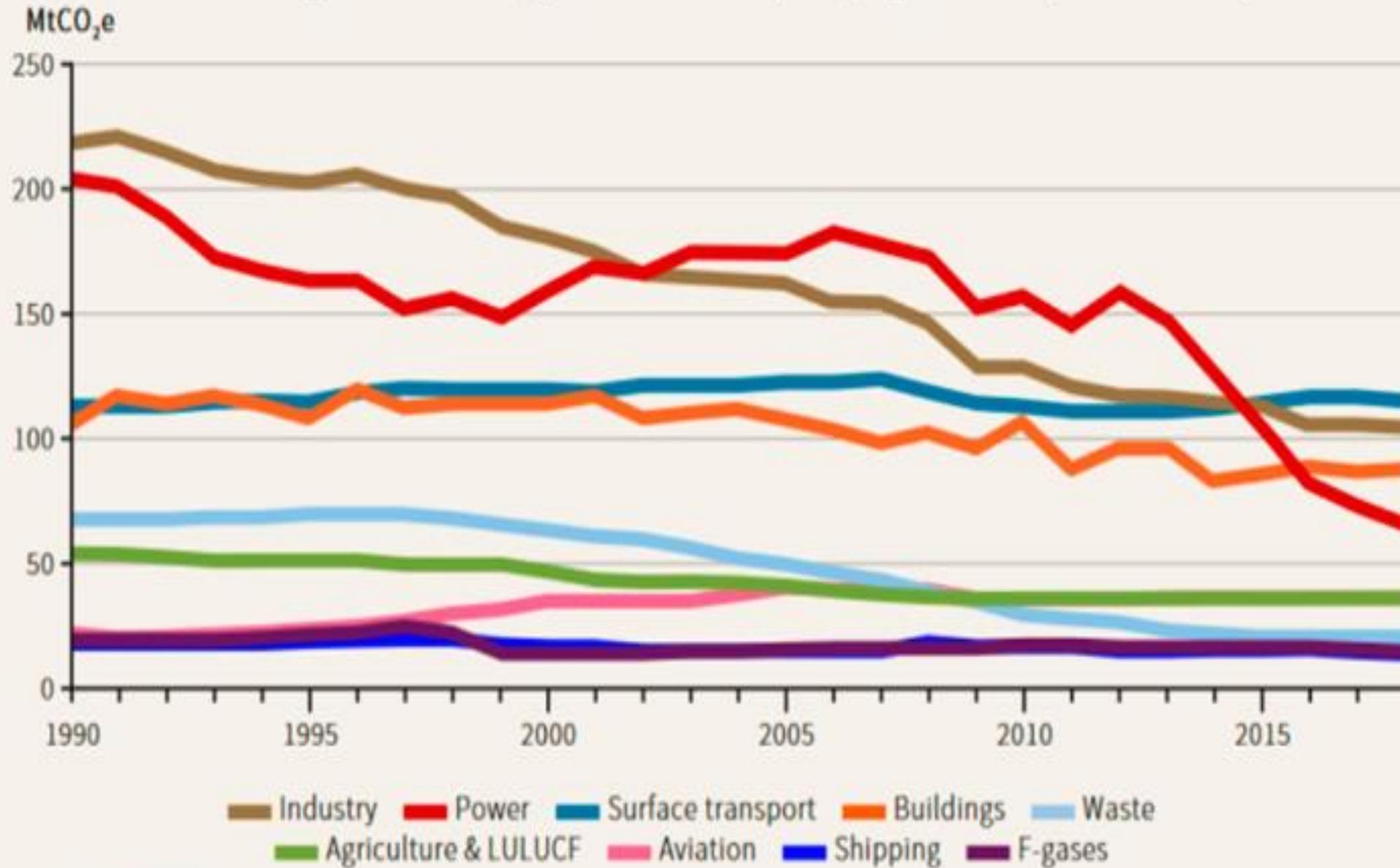
Consumption profiling & outside temperature comparison



Q&A group discussion on energy, ventilation & heating

Retrofitting museum  
and cultural  
organisation buildings  
for better sustainability

# Trends in greenhouse gas emissions, UK, by sector (1990-2018)



# Roger Curtis

Technical Research  
Manager, Conservation  
Directorate for Historic  
Scotland.

Energy efficient retrofit of  
Holyrood Lodge and other  
historic buildings  
Holyrood Lodge Case Study:  
<https://www.hiberatlas.com/en/holyrood-park-lodge-2-120.html>



# Further resources

## **Historic Scotland**

Holyrood Lodge Case Study [Link](#)

General Principles and Thermal Upgrades in Traditional Buildings film [Link](#)

## **Historic England**

Energy Efficiency: Retrofit in Traditional Buildings Policy and Research Update [Link](#)

## **Institute of Historic Building Conservation**

UK professional body for historic environment conservation specialists. [Link](#)

## **Sustainable Traditional Buildings Alliance**

Guidance Wheel [Link](#)

# Sustainable Sourcing for Museums and Culture Organisations

# Sustainable Sourcing / Procurement

- Every single £ spent has an impact on the environment
- Help grow the market for sustainable products and services
- Use your buying choices to encourage your suppliers to be more ethical, sustainable and environmentally responsible

# Consumer mindset is changing

- **66%** of consumers will pay extra for products and services from socially responsible companies
- **52%** of consumers check product packaging to ensure sustainable impact
- **49%** of consumers prefer to volunteer/donate to organisations engaged in social and environmental programs

Source: "Sustainability as a Business Strategy" SIG University

CO<sub>2</sub>

CH<sub>4</sub>

N<sub>2</sub>O

HFCs

PFCs

SF<sub>6</sub>

NF<sub>3</sub>

**Scope 2**  
INDIRECT

**Scope 1**  
DIRECT

**Scope 3**  
INDIRECT

**Scope 3**  
INDIRECT

Becoming Carbon neutral  
and reaching Net Zero.

Source [GHG Protocol](#)



purchased goods and services



capital goods



fuel and energy related activities



transportation and distribution



waste generated in operations



business travel



employee commuting



leased assets



company vehicles



company facilities



transportation and distribution



processing of sold products



use of sold products



end-of-life treatment of sold products



leased assets



investments



franchises

**Upstream activities**

**Reporting company**

**Downstream activities**

# Terminology

- **Sustainable sourcing** is the integration of social, ethical and environmental factors into the process of selecting suppliers, products and services.
- **Ethical sourcing** is the process of ensuring the products are obtained in a socially responsible and sustainable way.
- **Social value** describes difference an organisation or project makes to the community they are operating within. [The Public Services \(Social Value\) Act 2012](#) requires public authorities to have regard to economic, social and environmental wellbeing when procuring and awarding contracts.

## Shop by values

Explore by product characteristic.



Especially suitable for the vegans in your life



Kind to the environment



Items with educational value



Manufactured under fair trade conditions



Made from organically grown crops



Made from recycled materials



Buying locally means a happier planet!

## Shop by cause

Explore by partner organisation

Partners:



Independent not-for-profit publisher on global justice issues



Publishers of fiction, graphic books and atlases



Certifying and campaigning for planet friendly food and farming

Associate Partners:



Citizens worldwide standing up for humanity and human rights

**ethicalshop** 

## **Shop by values**

Vegan Friendly

Eco Friendly

Educational

Fair Trade

Organic

Recycled

Made in the UK

Animal Welfare

Carbon Impact

Super Local

Vegetarian

PRICE

# Where to start

**Look at what is bought, the suppliers and annual spend across:**

- Recycling and disposal
- Services and consultancy
- Printed materials and merchandise
- Equipment, digital and materials
- Cleaning, catering and food
- Accommodation and transport
- Banking and pensions

Further information: Julie's Bicycle Practical Guide - Procurement

# Then establish:

- Where you spend the most money
- What you buy the most of
- What ends up in your bins most often
- Where changing your provider and/or product have the most impact
- Where you already know alternatives exist
- If there any products or services that you have previously tried to switch to more environmentally sustainable alternatives, and why it didn't end up happening. Have conditions changed?
- Which (if any) contracts are coming up for renewal, or which ones are temporary

# Buying systems & decision making

**Examine your buying systems and decision-making processes by asking the following questions:**

- Do you have an ordering system in place that considers environmental sustainability?
- Is there an opportunity for staff to suggest more environmentally sustainable alternatives?
- Who decides how much and of what is bought?
- Are you frequently making last-minute buying decisions?

# Pensions and banking

- **Divestment** – Moving money away from environmentally damaging and ethically unsound investments. Campaigns have focused on tobacco, the arms trade and increasingly fossil fuels.
- Over 500 institutions, representing over \$3 trillion in assets, have already committed to divest (i.e. move their money away) from fossil fuel companies.



# Pensions

- 75% of local councils including East Sussex County Council and Brighton & Hove City Council – have declared a ‘climate emergency’. Many have set deadlines to de-carbonise the greenhouse gas emissions produced by their buildings and vehicles.
- And yet, as [a report](#) from Friends of the Earth and Platform London explains: *‘for the majority of councils, their largest carbon emissions will come from their pension fund investments.’*
- Collectively, UK local pension funds have [an estimated £10bn](#) invested in fossil fuel (oil, coal and gas) companies.
- The East Sussex Pension Fund – which covers East Sussex, Brighton and Hove – currently has over £70m invested in companies like Shell and BP, and has repeatedly refused to divest, despite [a long-running campaign](#).
- Source: Divest East Sussex

# Banking

Ethical bank accounts are some of the most powerful tools we can use to change the world for the better.

According to [New Money](#) the top 5 ethical bank accounts in 2020 were:

1. Triodos
2. Ecology Building Society
3. Nationwide
4. The Co-Op Bank
5. Monzo and Starling

# Plan and policy

- From here you can set yourself a **realistic plan** and prioritise which areas have the highest ethical and / or environmental impact, the areas of biggest spend and the switches that are easiest to make.
- Develop a **Sustainable Procurement (or Sourcing) Policy** or add to your Sustainability Policy. It should state your organisation's minimum sustainability requirements for different suppliers, products and services. It is a good way to communicate your commitments to existing and new suppliers and ask them to comply or join you in making a commitment to sustainability.



# Then TELL EVERYONE!

- Tell the suppliers of more sustainable products and services that you have chosen them because of their good practice to ensure they maintain and improve their sustainability offer.
- Tell visitors, local residents, sponsors, potential funders about your sustainable sourcing work as it is easily overlooked, but has a large impact relative to the size of the organisational footprint.
- Tell staff and volunteers and make them aware of your sustainable sourcing policy, especially for those last-minute purchases. Make it clear that within agreed parameters, they don't have to choose the cheapest option.



# Q&A Group Discussion

Thank you for your time

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