S I L
Sustainable Arts in Leeds



Climate Action in the Creative and Cultural Sector

About me

- Opera North Howard Assembly Room Technical Manager
- Opera North sustainability champion and chair of Opera North "Green Team"
- Co-founder and company secretary of SAIL (Sustainable Arts in Leeds)













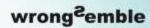












































ASSEMBLY HOUSE STUDIOS & PROJECTS PACE













































Our vision is to create a zero carbon/zero waste future for the cultural and creative industries of Leeds



S<IL Carbon Roadmap

Pathway to Net Zero by 2030

		Buildings	*	a	\$	4	224
PROJECTS		Energy	Water	Waste	Travel	Natural Capital	Community
2020		~®*	Conduct water usage survey to understand	Conduct waste audit	Understand current travel requirements for businesses and introduce a travel policy	Develop and introduce a sustainable procurement policy	Ensure sustainability forms a part of social media communications
2021	40%	Conduct energy guidits Switch to 100% renewable energy fariffs	cuttent water usage	Choose a zero to landfill waste management contractor	Develop strategy ground audience travel and implement its use	Join a spheme for Carbon Offsetting	Set up educational partnerships around sustainability Introduce environments:
2022	•	- Improve if system	technologies such as low water use tallets and tops	• Install water fountains	install cycle parking and hire around our buildings	Create green spaces in end around our buildings	trustees/ambassadors - Begin roll out of Carbon Uteracy training
2023	%	* Install LED and motion sensors	Begin feasibility studies of rainwater harvesting technologies	Pledge to be become zero plastic Develop sector wide	* Introduce troval	Conduct feasibility studies on	•Ensure entire sector s Carbon literate
2024	70%	i install solar panels wiserover possible		purchasing system and database to out waste and ensure that the sector is buying from environmentally friendly suppliers	to work schemes	areen roots and areen wallii	Cartee Liferaty Project
2025	85%	• Improve installation in all buildings	Install rainwater harvesting systems wherever possible	Set up and run sector wide re-use/recycling facility for commarily used items	Introduce season ticketing schemes for audiences around sustainable travel options	· install green rooftops and walls	Develop and run own engagement and educational campaigns with and for SAIL partners, stoff and oudlences / oustomers
2026	æ						
2027	%56	Install double glating across all buildings	Continue installing rainwater harvesting systems wherever possible	Begin to devision and run engagement and educational compaigns about waste, based upon the reduction in waste that SAIL has already	- Begin to roll out fleet of electric vehicles	Continue with installation of green rooftops and walls and take part in Leads Woodland planting efforts	Continue to run engagement and educational campaigns with and for SAII partners, staff and audiences /
2028	95	and the		waste that SAIL has already achieved	.e. a		customers
2029	%	Heat techvery systems installed	FRairiwater harmesting	Engagement and educational compaigns around waste a regular feature	All floet vehicles are electric vehicles	Creen roofs and walls Installed across buildings	Continue to run engagement and aducational campaigns with and for SAR partners.
2030	100%	All building heating and cooling systems upgraded	systems and low water technologies installed across all buildings	Intire industry is as zero waste as possible, with many waste products from organisations reused and recycled		All organisations take part in thee planting efforts and encourage their audiences to take part	stoff and audiences / austomers
		Net Zero by 2030	V			//	

Harnessing Identity

We love Leeds, our members do too!

We're able to make changes faster as a local collective than as individuals



Ensuring relevance

Providing our members with the knowledge of how they can help, and the tools to enable them to make changes.

- Carbon Literacy Training
- Consultancy
- Workshops & events

In the future:

- Best practice & guidance
- Accreditation
- Carbon Calculators



Making it accessible



Carbon Literacy Training

Carbon Literacy provides participants with the skills, knowledge and confidence to embed climate action in their personal and professional lives.

The training really works!

Each Carbon Literate citizen reduces their personal and/or professional resource footprint by between 5% - 15% annually

Jacobs, 2021

"Carbon Literacy training works because it creates new work cultures and directly engages staff in making a difference to the organisation"

Buchs, Payling & Hogarth, 2021

Using our collective influence to enable positive change

Sustainable Arts in Leeds (SAIL)

Greater Manchester Arts Sustainability Team (GMAST)

SHIFT Liverpool Network

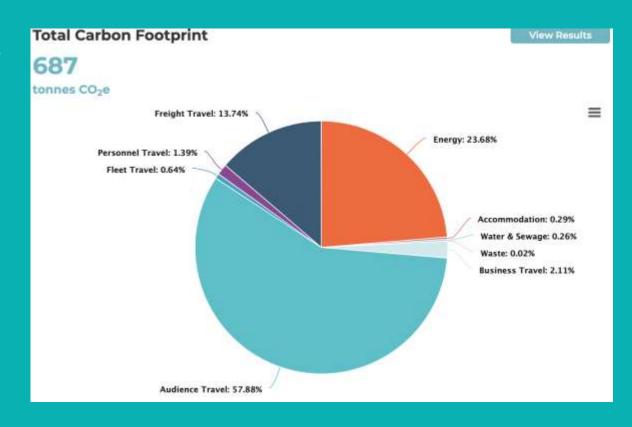
Green Arts Oxfordshire Network

Opera North's actions

- Started Green Team in 2018
- Members from across all levels of organisation and all departments
- Meet monthly to discuss challenges, potential solutions and successes
- Won "best newcomer" at 2019 Creative Green award in recognition of achievements

Data, data and more data

- Data driven approach to carbon footprint reduction
- Rather than focusing on waste, focusing on big ticket items (audience travel, energy + freight travel)



Audience travel

- Tracking our audience travel habits via post show survey
- Why are 56% of audience travelling by car?
- What do we currently encourage audiences to do? What is within our scope of influence to change?
- Utilising SAIL network getting together with local authority to address challenges

Travel Method	Miles travelled	Percentage of audience
Bus	1066.517	7%
Car	8999.236	56%
Coach	349.039	2%
On foot	976.943	6%
Taxi	471.645	3%
Train	4160.854	26%
Grand Total	16024.234	100%

"Act green" survey 2022

- 11,682 respondents
- 86% of respondents class themselves as "worried" about climate change, moving up to 91% for the under 35's
- To the question "Cultural organisations have a responsibility to influence society to make radical change to address the climate emergency", 77% of respondents agreed (moving up to 86% for the under 35's.)



What audiences want from cultural organsations

- Using materials from reused or recycled sources (90% agree)
- Ensuring that sets and materials are reused (88% agree)
- Seeking funding or financial support from ethical sources (66% agree)
- Ensuring that cultural buildings are as energy efficient as possible (93% agree)
- Reducing and recycling waste (92% agree)
- Avoiding disposable packaging and single use plastic (91% agree)
- Full report here



Other actions

Opera North Alcina

First fullysustainable main stage production, with a fully recycled & second-hand set

Water diviners tale

- Opera North education department "Big Sing"
- Written by Rachael Portman, piece of music specifically about climate change
- Set all made from recycled materials
- Toured with small footprint, all fit in 1 small van!



Thank you!

