



# OPEN SOURCE ARTS

## NET ZERO CARBON ROADMAP - SUMMARY



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**Open Source Arts is committed to reaching net zero greenhouse gas emissions by 2030, and we must deliver on this commitment. This document lays out why we decided to commit to Net Zero, where we find ourselves now, the work we have to do and the beginnings of an ambitious yet realistic pathway to reaching our targets.**

## **Background**

- Open Source Arts is uniquely situated at the interface between culture, society, arts and environmental engagement, and we will utilise this to express the climate crisis' interconnectedness.
- The scientific evidence calls for immediate reductions in carbon emissions if we are to limit warming to 1.5°C and the IPCC issued a 'code red' warning for humanity.
- We understand that we all have a responsibility to make changes in our lives however great or small. We will truly LEAD in this Letting Every Action Demonstrate our recognition that change towards a low carbon, sustainable, resilient world is necessary and possible.
- As part of Sustainable Arts in Leeds (SAIL), we have a responsibility to share our actions to bring together the creative and cultural sector.

## **Carbon Reduction Targets**

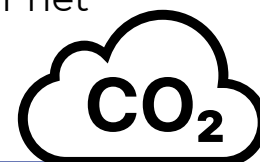
- Targets will be set using an absolute-based approach; requiring us to reduce absolute greenhouse gas emissions by the given percentage at each time frame.
- Carbon reduction targets are set relative to the 2022 baseline carbon footprint reported in this document.
- Our target emissions cuts are as follows: 50% by 2024, 75% by 2026, 90% by 2028 and 100% by 2030.

# Baseline Carbon Footprint

- Open Source Arts' carbon footprint is an expression of the carbon emissions produced from the activities undertaken over a year period and expressed in carbon dioxide equivalence (CO<sub>2</sub>e).
- The baseline will include emissions from:
  - waste production
  - team travel
  - fleet travel
  - audience travel
  - energy consumption
  - water usage
  - digital activities: browsing, website hosting, social media and cloud storage

## Baseline Carbon Footprint Results

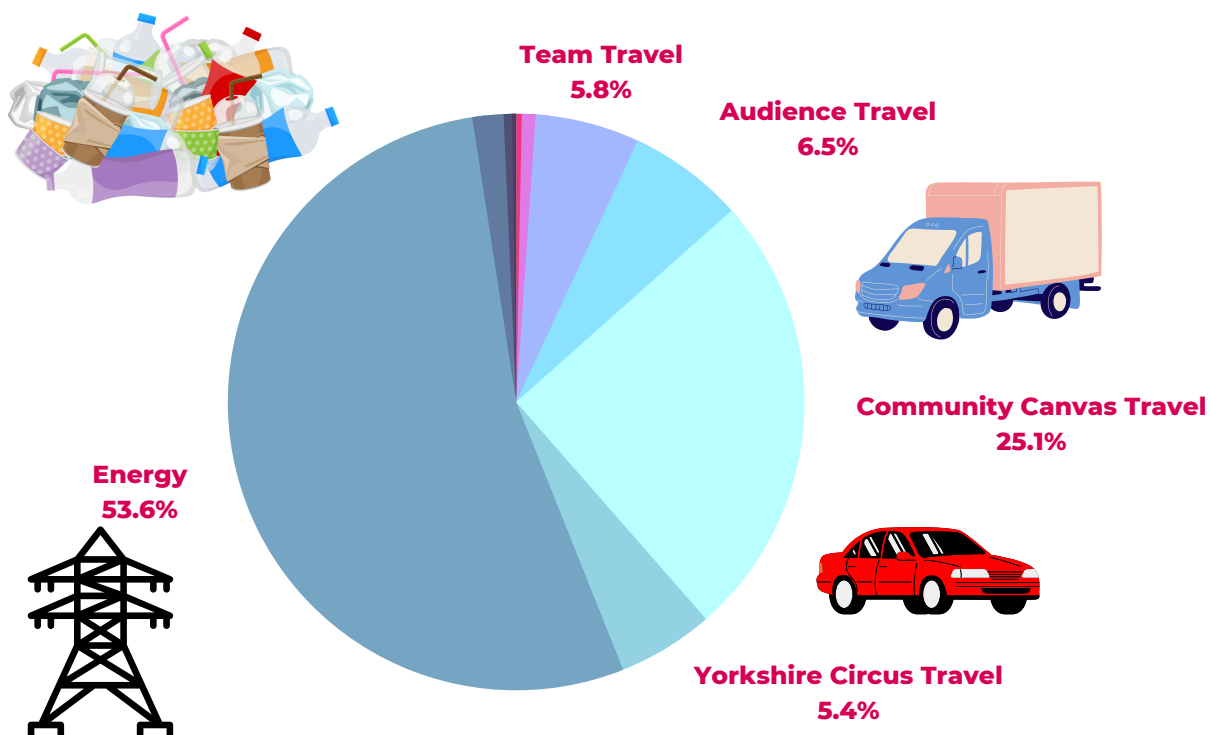
- Our research has found that overall we have a gross carbon footprint of 32,767.81 kg CO<sub>2</sub>e. This excludes our offsets and green tariffs.
- Following Government guidance we have decided to report 'Offsets / Green Tariffs' separately to show what has been purchased to counter our carbon emissions - this is currently 14,652.29 kg CO<sub>2</sub>e.
- This means including offsets and green tariffs our net carbon footprint is 18,115.52 kg CO<sub>2</sub>e.



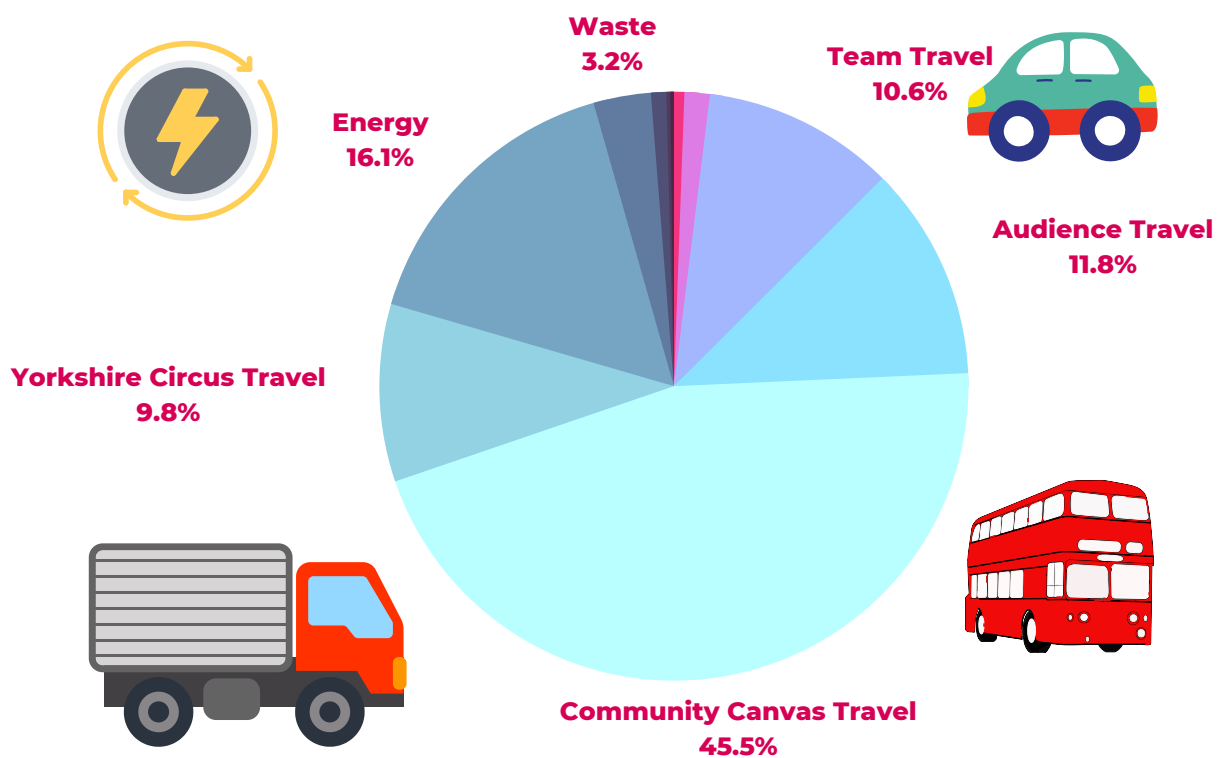
|                                                     |           |
|-----------------------------------------------------|-----------|
| Total Gross Annual Emissions (kg CO <sub>2</sub> e) | 32,767.81 |
| Purchased Green Tariff (kg CO <sub>2</sub> e)       | 14,652.29 |
| Total Net Annual Emissions (kg CO <sub>2</sub> e)   | 18,115.52 |



## Total Gross Carbon Footprint



## Total Net Carbon Footprint



## Key Performance Indicators (KPIs)

- KPIs are tools used to measure progress and performance and can be used to assess progress towards a specific objective.
- We have selected a few KPIs that relate to the activities affecting our balance of emissions and they will be used to monitor progress towards Net Zero and inform action.

## Proposed Net Zero Carbon Roadmap

- We want our Net Zero Carbon Roadmap to be emergent and collaboratively created with our entire team and the wider community.
- We have created a proposed roadmap outlining some potential actions that we may take in our journey to Net Zero.
- This is an emergent roadmap which is highly fluid and flexible as we want to ensure:
  - the needs, concerns and voices of all in the communities are heard
  - a shared sense of ownership
  - a collective understanding of the importance of taking action
- See our proposed roadmap in more detail over the next few pages.

# Proposed Net Zero Carbon Roadmap

| Year                  |                                                                     | 2022                                                      | 2023                                     | 2024                                              | 2025                                                                            | 2026                       | 2027        | 2028                                                    | 2029        | 2030        |
|-----------------------|---------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------|----------------------------|-------------|---------------------------------------------------------|-------------|-------------|
| Emissions Cut Targets |                                                                     | 50%                                                       |                                          |                                                   | 75%                                                                             |                            | 90%         |                                                         | 100%        |             |
| Area                  | Objectives                                                          |                                                           |                                          |                                                   |                                                                                 |                            |             |                                                         |             |             |
| Carbon Footprint      | Reducing overall carbon footprint and organisation carbon emissions | Calculating Baseline                                      | Year review                              | Year review                                       | Year review                                                                     | Year review                | Year review | Year review                                             | Year review | Year review |
| Energy                | Reducing energy use and related emissions and costs                 | Energy Audit                                              | Install Motion Sensored Lighting         | Assessing feasibility of alternative heat sources | Assess feasibility of onsite micro-renewables , i.e. solar panels, wind turbine | Install Micro-Renewables   |             | Upgrade heat and cooling systems / Heat Recovery System |             |             |
|                       |                                                                     | Switch to 100% Renewable Energy                           |                                          |                                                   | Assess feasibility of insulation & double glazing                               |                            |             |                                                         |             |             |
|                       | Moving to 100% renewables                                           | Installing a smart metre                                  | Introducing an Energy Policy             |                                                   | Install alternative heat sources                                                |                            |             |                                                         |             |             |
|                       |                                                                     | Install low energy lighting & introduce switch off policy |                                          |                                                   |                                                                                 |                            |             |                                                         |             |             |
| Water                 | Reducing water consumption                                          | Water Usage Audit                                         | Assess feasibility of grey water systems | Installing rainwater harvesting system            |                                                                                 | Install Grey Water systems |             |                                                         |             |             |
|                       | Increasing grey water usage and rainwater harvesting                |                                                           | Installing Water Efficient Technologies  |                                                   |                                                                                 |                            |             |                                                         |             |             |

# Proposed Net Zero Carbon Roadmap

|        |                                                             |                                                   |                                                                 |                                                                       |                                             |                                                                                                                   |                                              |
|--------|-------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Waste  | Decreasing waste to landfill and energy recovery            | Waste Audit                                       | Waste Reduction Policy                                          | Increasing provision of community recycling facilities - Terracycling | Collective Purchasing to enable bulk buying | Holding workshops about the impact of waste and how to reduce it                                                  |                                              |
|        | Reducing plastic use and waste production                   | Become a <a href="#">Refill Station</a>           | Improving and solidifying food waste and composting systems     | Becoming <a href="#">FoodWise</a> Organisation                        |                                             |                                                                                                                   |                                              |
|        | Avoiding single use plastics                                | Change waste contractor                           | Providing community recycling facilities                        |                                                                       |                                             |                                                                                                                   |                                              |
|        | Increasing the recycling rate                               | Introducing food waste solution                   |                                                                 |                                                                       |                                             |                                                                                                                   |                                              |
| Travel | Reduce emissions from travel by team and audience           | Staff Team & Audience Travel Audit                | Assess the feasibility of Cycle to Work Schemes or eBike trials | Introduce a Cycle to Work Scheme                                      |                                             |                                                                                                                   | Transition to EVs for Community Canvas Fleet |
|        | Support and promote sustainable travel by team and audience | Introducing a Staff Team & Audience Travel Policy |                                                                 |                                                                       |                                             | Develop and Run Own Educational Campaign for Importance of Car Free City, Sustainable Transport and Active Travel |                                              |
|        | Develop community understanding of sustainable transport    |                                                   |                                                                 |                                                                       |                                             |                                                                                                                   |                                              |

# Proposed Net Zero Carbon Roadmap

|                 |                                                                                                              |                                                |                                                      |                                                                                   |                                                                  |                                  |
|-----------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------|
| Natural Capital | Create Green Space at OSA and enhance our onsite natural capital                                             | Audit of Natural Capital                       | Green Walls                                          |                                                                                   |                                                                  |                                  |
|                 | Providing natural capital to the community via stewardship projects in Leeds                                 | Audit of Increasing Natural Capital Mechanisms | Creating and improving green spaces around the venue |                                                                                   | Provisions for growing food locally for team and local community |                                  |
| Staff Team      | Improve team awareness of climate change and environmental impacts                                           | Carbon Awareness Survey                        | Increasing Carbon Based Training                     | Encouraging the team to make pledges for taking climate and sustainability action | Becoming accredited to provide Carbon Literacy training          | Provide Carbon Literacy Training |
|                 | Improve team's motivation to make change and introduce low carbon practices at work and in their daily lives |                                                |                                                      |                                                                                   | Providing in-house sustainability training                       |                                  |
|                 | Provide Carbon Literacy Training                                                                             |                                                |                                                      |                                                                                   |                                                                  |                                  |

# Proposed Net Zero Carbon Roadmap

|             |                                                                                                                       |                                          |                                                                                   |                                                                                      |  |
|-------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--|
| Procurement | Reducing negative supply environmental and social impacts                                                             | Supply Chain Audit                       | Mapping out suppliers to understand their values, ethics and enviromental impacts | Practice responsible and progressive procurement                                     |  |
|             | Ensuring suppliers are environmentally and socially responsible, and support the values and goals of Open Source Arts | Developing a supplier policy             |                                                                                   |                                                                                      |  |
| Community   | Embedding environmental themes and engagement in community programmes                                                 | Communicating zero carbon roadmap        | Developing Precious Plastics Educational Campaign                                 | Develop and run own engagement and educational campaigns with audience and community |  |
|             | Develop environmental collaboration and carbon reduction attitudes into collaboration                                 | Communicating Climate Emergency          |                                                                                   | Sustainability Advisor for Associate and Member Artists                              |  |
|             | Improve awareness in the community of our Zero Carbon Roadmap and the importance of climate action                    | Social media campaigns and communication | Collaboratively developing the zero carbon roadmap                                |                                                                                      |  |

# Proposed Net Zero Carbon Roadmap

|                |                                                                                                                                                                              |                                                   |                                                    |                                         |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----------------------------------------|
| Digital Impact | <div>Reduce the carbon footprint of our digital facilities and capabilities</div> <div>Implement a policy for managing and reducing carbon footprint of digital assets</div> | Introduce Digital Usage Policy                    | Clear out unneeded data in the cloud and in emails | Practice using the Digital Usage Policy |
| Offsets        | <div>Introduce a socially and environmentally responsible carbon offsetting scheme</div> <div>Using offsets to move towards Net Zero Carbon</div>                            | Join a UK-based, ethical Carbon Offsetting Scheme |                                                    | Local Community Planting                |

## **Engagement & Communication**

- To be successful in reaching Net Zero Carbon we must have the full working team and community behind us.
- To secure this we will provide training to team members to develop a deeper understanding of climate change, the systems which contribute to climate change, net zero and its issues, and our own place in the collective solutions.
- We also hope to offer more environment- and climate-based workshops to further the knowledge and understanding of our community and local people.

## **Comments on Carbon Offsets**

- We recognise that carbon offsetting is not a silver bullet or perfect solution.
- Open Source Arts is committed to only utilising carbon offsets as a final lever and to purchase carbon offsets from renewable energy schemes providing benefits to communities.

## **Comments on Carbon Offsets**

- Net Zero is not a perfect solution either, often used to justify damaging behaviour and delay action, as well as bringing issues of equity.
- In response, OSA is committed to moving towards Net Zero immediately and reaching carbon neutrality by 2030.



# OPEN SOURCE ARTS



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