

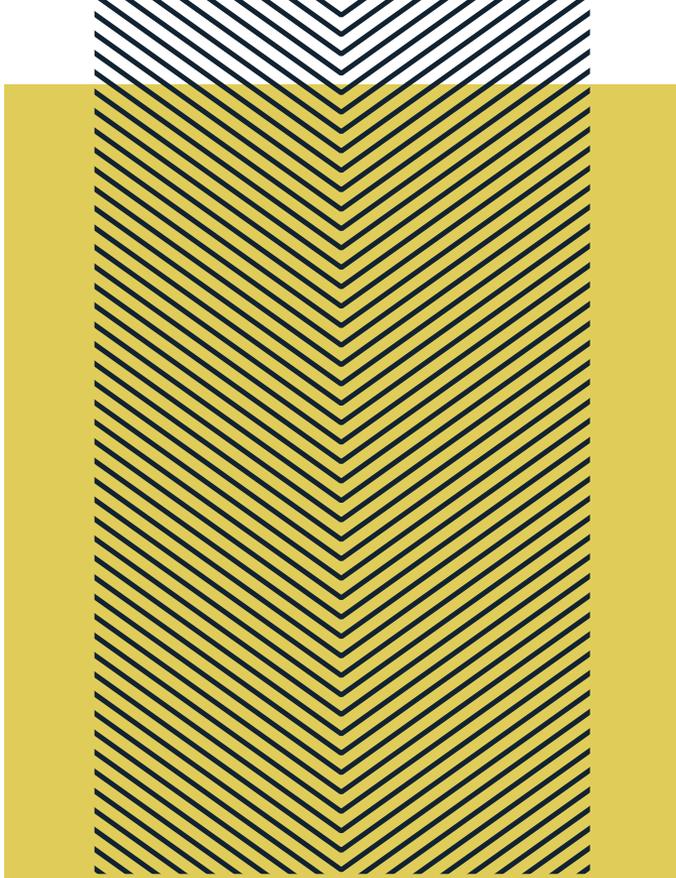


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BNU Sustainability Introduction

Steve Edge – Head of Sustainability

May 2024



**INSPIRED.
EMPOWERED.
EMPLOYED.**





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Our commitments

Sustainable Development Goals

To improve social, economic & environmental sustainability across the globe by the year 2030.

Race to Zero

To reduce our Scope 1 (fuels), Scope 2 (electricity) and Scope 3 (everything else) emissions to zero in advance of 2050. We have committed to achieving this by 2030.

Nature Positive Pledge

Refrain from harm to ecology and improve biodiversity through changes to our operations, supply chains and projects.



SUSTAINABLE
DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD





Sustainability Vision and Mission

Sustainability Vision

To provide high-quality education by building engaged, well-rounded future citizens and improving access to education.

We will encourage our learners to be advocates for sustainability by leading through example to become a leader in sustainable education.

Sustainability Mission

We will have a positive impact on social, environmental, and economic sustainability and deliver benefits to our colleagues, learners and communities through our activities and partnerships.





Key Pillars

As a university we wish to develop our staff, students and partners to allow everyone to grow and *Thrive*.

Sustainability is bigger than the environment. It is how we do the right thing.

Therefore, we committed to the principles of Sustainable Development.

Three key pillars of sustainability, each linked to different SDGs

Environmental

Social

Economic



SUSTAINABLE DEVELOPMENT GOALS
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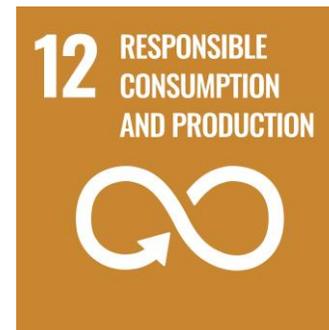




Environmental Sustainability

Using resources ethically and fairly to ensure that we can meet our developmental needs.
Without damaging the environment & biodiversity, both locally and globally.

Our actions should always have a positive impact and consider not only the immediate area & impacts, but our wider impacts over the long-term.



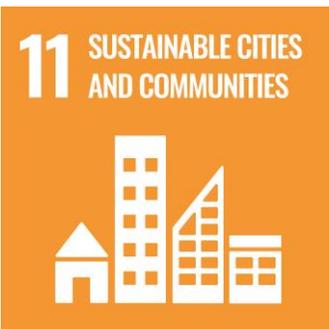


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Social Sustainability

We should be a force for a good through our actions, in the University, our local community, and through the global impact of our supply chains & partnerships. Everyone we impact should be treated with fairness, respect, and dignity.

Our actions should go beyond ensuring those we work with can meet present and future needs, we should offer opportunities for growth and development regardless of background or circumstances.

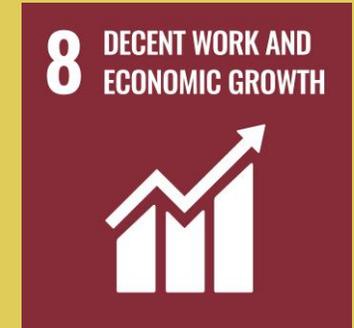
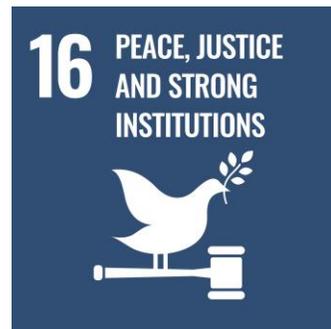




Economic Sustainability

Ensuring that the University is in a healthy financial position with enough funds to grow and to be financially secure. All the while ensuring that our partners and suppliers are paid fairly.

Everyone we work with, across our entire supply chain should be treated fairly and share in our opportunities for growth.





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Impact Priorities

We will focus on the areas in which we can have the most impact.

We will strive to become a sustainability leader in the following fields:

Greening urban sites

Civic engagement

Decarbonisation of properties and supply chains

EDI, Health and Well-being



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Shared Mechanisms

Methods & practices that will be shared across all Strategic Areas to allow stakeholders to understand what is happening across different areas.

1. **Engagement & partnerships**
2. **Research**
3. **Learning**
4. **Adaptation & mitigation**
5. **Improvement**
6. **Circular economy**
7. **Investment**

Each of the seven is intended to allow a degree of flexibility, & innovation so long as the suggested change is aligned to the method & practice.





Interactions

Our commitments require changes in how we as an organisation operate. Some will be simple; others will require larger cultural shifts.

1. **Teaching**
2. **Research & knowledge exchange**
3. **Organisational decision making**
4. **Strategic decision making**
5. **Civic, staff and student engagement**
6. **Collaboration with EDI and Civic Engagement colleagues**

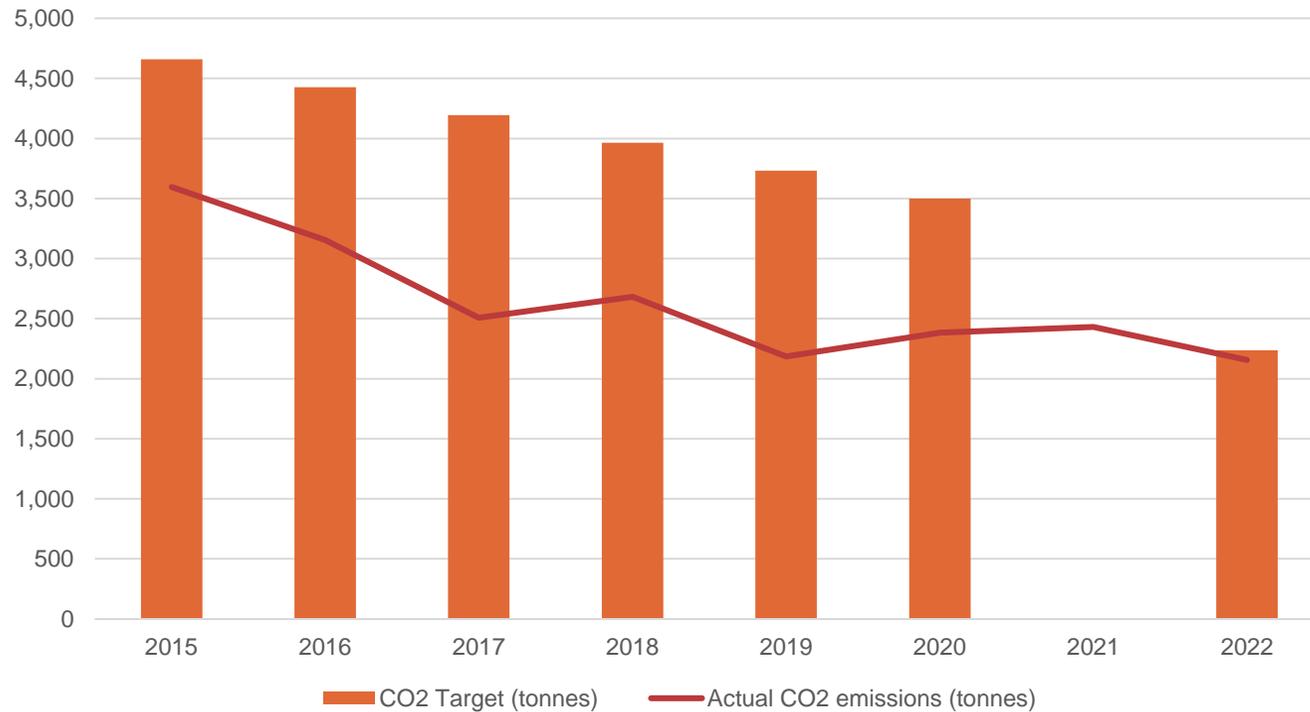
Our Sustainability Strategy has been developed in close conjunction with our EDI and Civic Engagement teams.





Our historic emissions and current progress

Decarbonisation - Actual Vs Target 2005 - 2022



Emissions from our buildings

Positive progress against targets

Overall reduction since 2005: 69%

We must be careful; this data is oversimplistic.

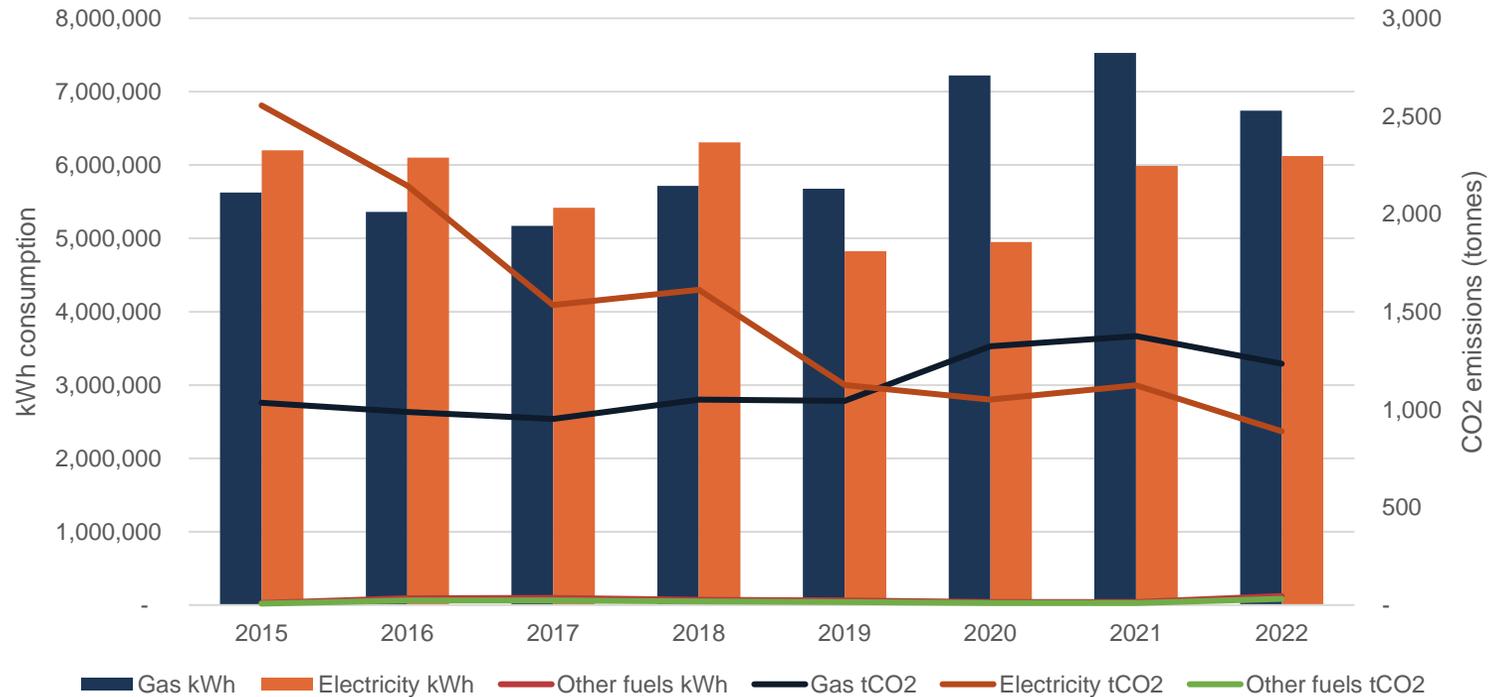
This is only about 20% of our total emissions.

Good progress, but lots to do!



Data data data!

Energy consumption Vs emissions 2015-2022



Energy in buildings

Gas use went up through COVID (ventilation). Reset in progress.

Electricity use is static. We invest in efficiency projects. But we are adding more things to our sites

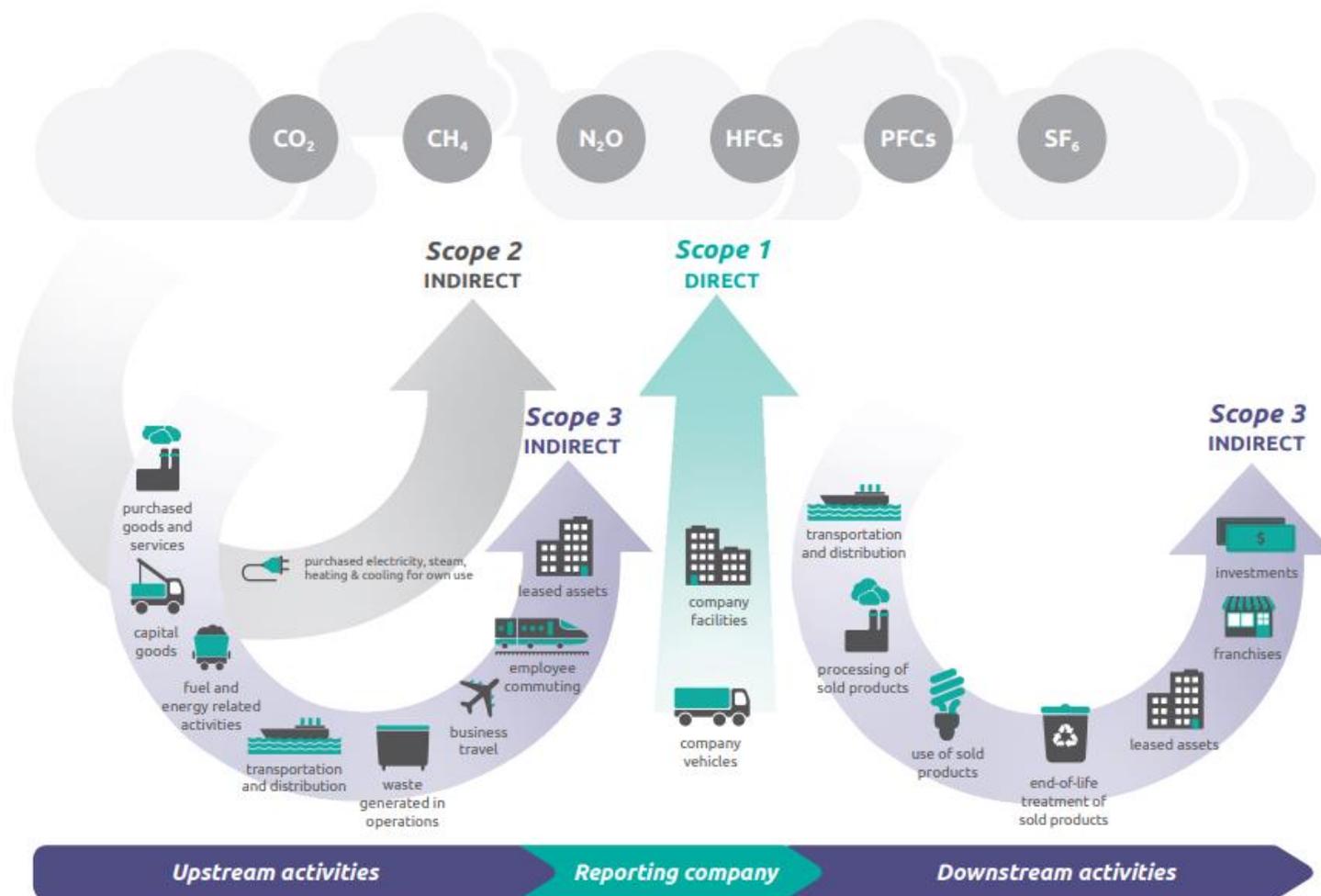
Shifting to renewable energy has helped cut emissions.

We need to do a lot more efficiency projects.





What about Scope 3?



We have started to measure our Scope 3 emissions

Scope 3 will always be far greater than our Scopes 1&2 emissions.

Pro-rata fraction of everyone's emissions

Key areas:

- Procurement
- Embodied carbon (buildings)
- Staff commuting
- Student travel (inc. overseas)
- Waste
- Water



Recent projects

1. Replacing East Wing windows (c.300) from cold & draught to modern high-efficiency windows
2. Insulating four old roofs to a new, high-efficiency standard
3. Replacing old lighting with high-efficiency lights (ongoing)
4. Building our Net-Zero Strategy
5. Developing new Sustainability Strategy
6. QEII Memorial Garden

Upcoming projects

1. Detailed Net Zero plan
2. Future-proofing our electricity connection
3. Timberlake window replacements
4. Timberlake wall insulation
5. Other roof & wall insulation projects
6. Landscaping & green space projects
7. Sustainable Procurement policy
8. Revised Environmental Policy
9. Sustainability Impact Assessment for policies & projects



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