



ARTS UNIVERSITY BOURNEMOUTH

Sustainability and Net Zero Programme: Annual Report 2021-2022

As part of its commitment to sustainability the University developed a Sustainability and Net Zero (SNZ) programme of works.

A SNZ Task Force is established as a decision and action planning group which reports to the Environment Committee.

The SNZ owned and monitored by Environment Committee, reports progress to the Vice-Chancellor's Group of the Board of Governors.

AUB has ISO14001:2015 and EcoCampus Platinum certification.

There are six immediate areas of focus

- **Energy and Water**
- **Sustainable Resource Management**
- **Travel**
- **Sustainable Campus**
- **Biodiversity**
- **Social Justice**

Message from the Principal and Vice-Chancellor

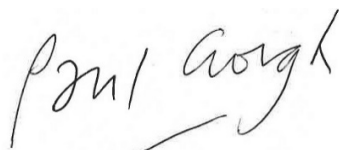
At the heart of the AUB Strategy are four core values that guide our practices and behaviours. Of the four, our value of staying 'connected' speaks powerfully towards the AUB Sustainability Programme, and our ambitions towards neutrality:

"We are better for our diversity. We are enriched by the depth of respect we have for each other and the strength of our relationships with our people, our places and with the planet. Through our commitment to working with those who are different to us, or challenge us, we grow stronger together, creating new synergies, global connections and sustainable futures."

Our commitment to an environmentally sustainable future builds on significant achievements at AUB over the past five years. Having already achieved ISO14001:2015 and platinum status as an Eco-Campus, during the lifetime of this Strategy, we will embrace the spirit and practices of the United Nations Sustainable Development Goals across all aspects of AUB's teaching, research and engagement. We are already seeing this in the new undergraduate curriculum, which staff have co-designed.

We have shown real commitment in becoming a signatory of the Global Climate Letter for Universities and Colleges, issued through EAUC (Environment Association for Universities and Colleges), and AUB has committed to reach net zero by 2030. We have gained certification as a registered Fairtrade university, with the top grade 3 stars. During 2020/21 AUB was presented on the global Fairtrade website as one of three HEI case studies for Fairtrade. We create a great many environmentally sensitive and progressive projects across the University, through AUB Human and through live and simulated briefs These will continue to expand and deepen.

These are all significant achievements for which AUB ought to feel proud. But there is always more to do. The programmes of work set out in the document will be supported by the University and our Board of Governors as we move creatively - and credibly - towards a sustainable and net zero future.



Professor Paul Gough
Principal and Vice-Chancellor

Introduction

Arts University Bournemouth (AUB) acknowledges global climate change and the ecological crisis and wishes to play its part in mitigating against unwanted outcomes of these issues. Furthermore, AUB is aware of its own environmental impacts, through operational practices and capital projects, and is committed to eliminating, reducing or compensating where this is not possible, these impacts in an innovative, efficient, and transparent way.

Our new Sustainability and Net Zero (SNZ) Programme of works is AUB's response to mitigate and adapt to these impacts. This is our annual report for the 2021-2022 academic year and is structured around a Net Zero Summary and our six main areas of focus.

Important Note: There can be small data discrepancies within annual reports. Correction invoices received for utility usage sometimes backdate to previous academic years after a significant time has elapsed. Adjustments ensure the integrity of the data and the emission totals but may result in historical data being slightly different in yearly reports.

Net Zero Summary

AUB achieved a 48% reduction in CO₂e against a 2005/06 baseline in 2019/20. This was based on the Sustainability Plan 2015-2020 scope and remit. The Sustainability Plan was extended until 2021 to allow for campus closure during this period and to allow time for a new programme of works.

The SNZ programme is live and published on [AUB website](#). Further updates will be included soon as new projects and actions are activated. This report is focused on the 'live' version as of 14/09/2022. A Net Zero Task Force was established in September 2021 and reports and is accountable to the Environment Committee. It is a 'smaller' group that makes net zero day-to-day decisions rather than strategic overview.

AUB will use a science-based target (SBT) to set the trajectory of decrease, limiting emissions on the path to net zero, and set the minimum emission decrease prior to any potential neutralization. AUB will use an absolute reduction approach following a 1.5°C trajectory as recommended by the IPCC. Figure 1 & 2 demonstrates what a 1.5°C absolute reduction trajectory will look like for the proposed SNZ inventory. It breaks down the level of reduction per scope alongside the total (all scopes) reduction trajectory.

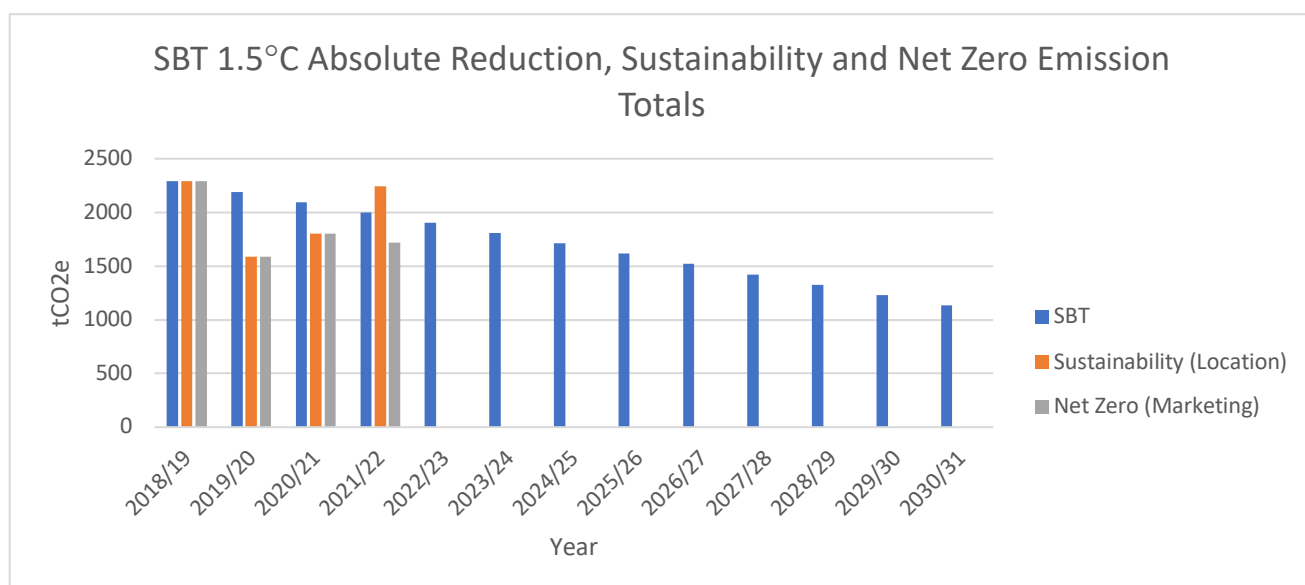


Figure 1. SNZ emissions against Science-Based-Target.

The net zero trajectory is breached by 241.649 tCO₂e for 2021/22 (Figure 1) with Sustainability Location-Based reported although this was likely to happen. An expanding campus, campus halls fully occupied for the year, new data capture, and the full SNZ programme ready only partly through the academic year was unlikely to result in a reduction. AUB does have some exciting projects (potentially and actually) approaching soon and will be reported back in the 2022/23 SNZ Annual Report. It is important to note that our net-zero pathway is Market-Based reported (Figure 1) where AUB reports under the target by 280.463 tCO₂e.

AUB has its own offsetting rules and consideration will need to be given to establishing a group to decide on projects. Investigation will be required into internal offsetting research possibilities.

Focus 1: Energy and Water

Much of what AUB is trying to achieve will be successful only with behaviour change. The current energy crisis has brought into focus the requirement for efficiency gains, yet these are behaviours and practices and in consequence efficiencies that are required in perpetuity. To encourage behaviour change we need to make - making the right decision - easy and convenient when possible. It will not always be possible to do this, but we should strive to achieve this.

AUB is aware that much of its carbon footprint will reside in Scope 3 emissions not yet captured and in its supply chain. AUB has appointed the Carbon Trust to begin work mapping our supply chain and any scope 3's not covered in October 2022. This will ensure a much greater reflection on AUB's true emission total in line with our net zero ambitions.

AUB was successful in gaining Salix funding to replace the gas boilers in North Building with air source heat pumps. The Grant has been received a little later than normal and so the project will certainly be a challenge but an exciting one none the less. Air source heat pumps are already in place and used for the underfloor heating in the Innovation Studio.

The introduction of PV on the Campus Halls roofs has increased the kwh generated through renewables.

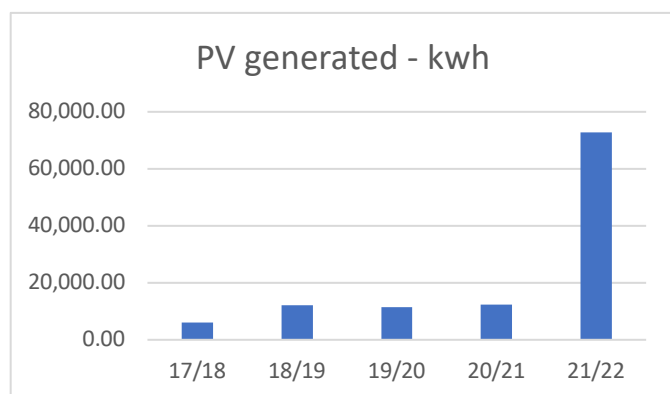


Figure 2. PV generated energy (kwh)

AUB already purchases REGO electric supply and is looking to join a TEC PPA supply agreement in 2022/23. Furthermore, AUB has made enquiries about switching water supply for all sites onto the TEC water framework.

Focus 2: Sustainable Resource Management

Our overall waste (t) has decreased compared with baseline 2018/19 from 202.17 to 133.414 (t) and our recycling rate is 61%. This is not inclusive of accommodation.

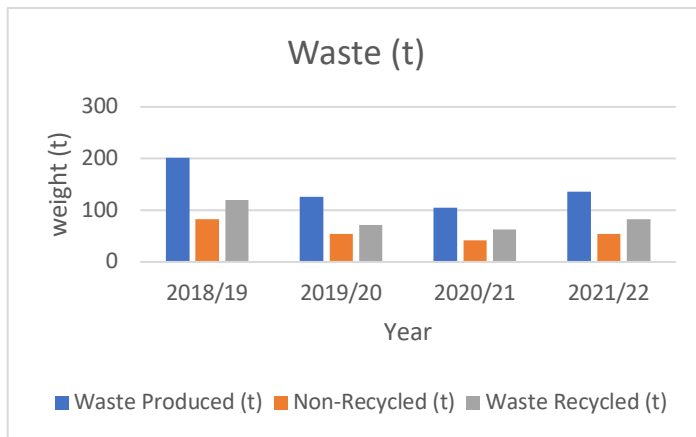


Figure 3. AUB waste generated, non-recycled, and recycled (t)

This was the first academic year of full accommodation waste so will function as a baseline for future years. The recycling rate was low at 25%. The internal bins are being assessed for practicality with intention to source bins more fit-for-purpose. An outside waste audit was also undertaken to improve future waste capture. Subsidized water chilli bottles are available in the Campus Shop.

Focus 3: Travel

A new online Travel to AUB system is now fully functional for staff. It involves a process of logging on and then being informed and directed about all the sustainable travel methods and incentives available to staff. These include shower, locker, and changing facilities, Cyclescheme, Beryl Bike, bus permit, and finally car permit. The car permit cost involves an offset cost for the commuting emissions for the year.

Cyclescheme is part of the constitution of Travel to AUB and is a staff employee benefit saving 26-40% savings on bicycles and accessories with payments being tax efficient from salary. Once a month we have a Cycle Surgery where students and staff can visit for free to get maintenance and repairs on bicycles. We have two Beryl Bike stands/hubs for bicycles and scooters. One is by Campus Services and the other located by Campus Halls car park. We give away free minute bundles throughout the year with the codes advertised through social media and physical adverts.

AUB collaborates with BU for the Unibus service with fantastic savings for students and a discount permit for staff. AUB is represented on the Transforming Travel - Transforming Cities Fund: Programme Steering Group.

Focus 4: Sustainable Campus

AUB Performance Design for Costume and Events Mangement worked together on a collaborative project which coincided with Fairtrade Fortnight. Students created art installations that were displayed throughout the campus. It informed on Fairtrade issue's such as fair financial reward for farmers and sustainable materials in cothing (Keeley and Chambers 2022¹).

Dr Kevan Manwaring organised an Earth Day event called ' Co-designing the Eco-Village of the Future'. Using interdisciplinary collaboration (environmental science, anthropology, engineering, architecture, creative writing, fine art, illustration, film, dance, fashion, music, game design, and

¹ Adele Keeley Senior Lecturer BA (Hons) Performance Costume and Design and Kevin Chambers Course Leader BA (Hons) Creative Events Management.

others), a network of creative-critical practitioners will create a 'future village' – using the praxis of each to bring it to life (Manwaring 2022²).

AUB Human symposium took place in April and was titled 'Regenerative' - We find ourselves amid an ecological crisis. We urgently need a paradigm shift to disrupt our ways of thinking and working if we are to help repair our world from the damage brought about by human development. This symposium will explore the principles of regenerative thinking and regenerative design that can help to heal our world. The event will challenge us to reflect on our values and the ways in which we act as creatives, architects, artists, and designers. We will be hearing from practitioners who take a holistic and regenerative approach. We will consider how we can design and create for mutual benefit using ecological processes and multi-species thinking, and how we can learn from nature to design with living systems (Stevens 2022³).

Albert is an initiative of the British Academy of Film and Television Arts (BAFTA) to promote, encourage and support environmentally sustainable practices within film and television production. Most major television broadcasters have now signed up to a pledge requiring their content producers to meet the standards of Albert Sustainable Production Certification – the logo of which you will likely have seen on the final credit screen of most UK produced content.

Recognising the emerging talent from higher education institutions and the influence they will have on the industry in the future, BAFTA established the Albert Education Partnership – to which AUB is a founding member.

Comprising a growing list of HEIs, the partnership collaborates to create engaging and informative training materials for delivery to students, ensuring they are equipped both to work sustainably in their future careers, and to understand the process of achieving Albert Sustainable Production Certification – an added value employability skill.

Students completing the learning and demonstrating an ability to use the Albert Carbon Calculator and an understanding of the principles of sustainable production, will be awarded the status of AlbertGrad, which provides a BAFTA accredited logo that can be used on students' social media accounts and promotional material (Sellwood 2022⁴).

Ben Diamond⁵ (2022) research focuses⁵ on fully compostable and biodegradable composites, that have similar properties to their petroleum-based resin and fiberglass counterparts but with less environmental impact. The raw materials are 100% plant based and can be composted at end-of-life. Working within a centralised Workshop environment means we can lead the way in materials research and development which can be filtered down to the students wishing to work with environmentally friendly materials. Ben has already swapped out products with a lower carbon footprint such as bio-based Epoxy resins and recycled/recyclable plastics, with research currently happening in water borne paint technology. Following on from this, Ben is developing a Materials Library of sustainable and biodegradable samples to showcase this leap in technology.

Sarah Thorne⁶ (2022) comments; Dye room students now have access to 2 dye gardens that are situated near the workshop. Both contain a wide variety of natural dye plants of varying colours which allows students access to plant materials so they can develop natural dye and print techniques onto fabrics. The plants will take a couple of years to mature as the roots are used to produce some of the colour but some others can be used this year. Fashion students are being encouraged to think about the impact creating textiles is having on the environment and ecosystem and to look at alternative solutions. This is something I am very passionate about and I feel we as

² Dr Kevan Manwaring Senior Lecturer Creative Writing

³ Alice Stevens Senior Lecturer BA (Hons) Graphic Design

⁴ Peter Sellwood Head of Technical Services

⁵ Ben Diamond Technician Demonstrator – Workshop

⁶ Sarah Thorne Technician Demonstrator

university have a responsibility to make students consider this in their work. I have reduced the Dye rooms plastic usage by recycling jars and we now recycle paper from the Digital hub. I have reduced the synthetic dye use in recipes and encourage all students to consider the water and heat needed to produce their textiles.

The AUB Sustainability Awards are in recognition of final year undergraduate student work that takes a particularly interesting or innovative approach to sustainability. Submissions are judged on the ability of the work to encourage, inspire, innovate, educate, or change approaches to sustainability. The projects submitted in 2022 were truly inspiring, with students developing new processes, working with found materials, or creating thought-provoking and intelligently researched work.

The judging panel is drawn from members of Environment Committee, and comprises Jon Renyard, Chair of Environment Committee and University Secretary; Megan Purdie, an academic member of the Committee from BA (Hons) Acting; and James Jackson, Environment and Sustainability Manager. The panel took the unusual decision to agree two Winners, which were collaborations between students on BA (Hons) Creative Events Management and BA (Hons) Acting, respectively.

Jon Renyard, Chair of the Environment Committee, and convenor of the judging panel, said, 'It is always a privilege to judge these awards, and I am delighted to say that the quality of submissions in 2022 was higher than ever. Each submission offered something distinctive, and the panel was faced with an extremely difficult task in judging between projects which addressed sustainability in very different and innovative ways, all of which had the potential to encourage, inspire and educate. In the end, the panel agreed to name two winning projects, both of which were collaborations between groups of students; but in this competition everyone is a winner, and I congratulate all the nominees. I am truly proud of their achievements.'

Megan Purdie, an academic member of Environment Committee commented, 'I was delighted to be part of the judging panel for this year's Sustainability Awards. It was incredibly difficult to judge between the various projects. The winning event was remarkable – a successful event promoting sustainability and delivered in a truly sustainable way.'

James Jackson, Environment and Sustainability Manager, said, 'The standard this year was so impressive. It was fantastic to see the inclusion and integration of the Sustainable Development Goals into so many of the projects, and to see the obvious commitment to sustainable practices which our students show. The winning short film is funny and engaging, as well as having a serious message.'

A selection of the submissions will be presented on the AUB website in due course.

WINNERS 2022

Kaleem Ali; Elise Williamson; Agata Pacion; Isla McRobbie; Anastasia Scott; Himaya Kumaradasa.
BA (Hons) Creative Events Management

Tash Miles; Eve Myer; Maria Marques Neves; Natalia Piechowiak. *BA (Hons) Acting*

HIGHLY COMMENDED

Eden Alarcon, *BA (Hons) Fine Art*

Katie Jane Heape, *BA (Hons) Costume and Performance Design*

COMMENDED

Jessica Horton, *BA (Hons) Fashion*

Euan Hutton, *BA (Hons) Graphic Design*
Taro Krasienapibal, *BA (Hons) Textiles*
Youjin Lee, *BA (Hons) Architecture*
Ellis Milton, *BA (Hons) Costume and Performance Design*
Julie Reid, *BA (Hons) Fine Art*
Niamh Wright, *BA (Hons) Textiles*

AUB belongs to the EAUC - Alliance for Sustainability Leadership in Education. Sharing best practice, working alongside and with the wider Higher Education sector and especially within the EAUC South group.

Sustainability and Net Zero Task Force presented two talks on the new Sustainability and Net Zero (SNZ) Programme. One was for students and the other for staff. The SNZ programme is a community programme and requires ownership and participation by the AUB community and our external partners. PGR students also received a Sustainability Induction in the 2022 academic year.

All new builds or refurbishments are undertaken as net zero projects. This will ensure AUB is resilient for the future and its buildings are state-of-the-art creative spaces that are cost-effective and do not damage the environment.

AUB maintained its ISO14001:2015 and EcoCampus Platinum certification.

Focus 5: Biodiversity

UBU consultancy have issued an initial design brief for rewilding the campus. Being considered are floor and concrete column planters, integral seating, wildflower, multi-stem trees, and other features. Seasonality will need to be considered as well as maintenance and events to ensure that it does not restrict vital activity. A wildflower garden is already behind University House.

AUB are in possession of wildlife camera's and will look to make a 'mini-film' of nature on AUB campus.

AUB has signed up to the Hedgehog Friendly Campus scheme and will look to achieve certification. We already have five hedgehog houses throughout the campus with another two to arrive from MoDiP. Anyone wishing to help with the certification should contact James Jackson jajackson@aub.ac.uk

We also have insect hotels throughout the campus and solitary bee tubes in the side of Campus Services and AUBSU. We have also registered our hedgerows through national survey with all hedgerows being species/habitat friendly. AUB has expanded further the Dye Garden (see above) and introduced a Herb Garden that is being used by our Catering contractor to use in the daily menu's.

Focus 6: Social Justice

We were proud to be one of only two universities in the country that achieved Fairtrade 3-star award back in 2020 and are equally proud to achieve it once again in 2022. Further information about Fairtrade and universities can be viewed [here](#). It was backed by some fantastic campaigns for instance the AUB Performance Design for Costume and Events Management event – see the video [here](#).

Two food banks will be run from AUB main campus. One will be for students only in the Campus Halls and the other will be placed outside Campus Services.

AUB and BU have secured funding and are working in partnership to establish a dedicated campus-based Community Front Room for students. The project will be delivered in partnership with NHS, BCHA, Dorset Mental Health Forum and community mental health services. The aim of the project is to provide prompt access to mental health support and reduce the number of students waiting to access community mental services or presenting at A&E. Evaluation of impact will be undertaken in partnership with Wessex Academic Science Health Network.

The University Retreat will be located on the edge of the BU campus, next to Talbot House, to be accessible to students from AUB and BU. Based upon usage data from the existing CFRs, planned opening times are 2pm – 9pm, Monday to Saturday. This project is being worked on by Student Services.

AUB has a Sustainable Palm Oil statement and is a Champion of the Dorset Sustainable Palm Oil Community initiative. Further information can be obtained [here](#).

Appendix

Note: AUB’s net zero pathway will be reported as Market-Based and will include REGO (Renewable Energy Guarantee of Origin) and PPA’s (Power Purchasing Agreements) electricity supply as zero emissions. The sustainability pathway is Location-Based reported and incorporates electric supply emissions. Although there are no immediate plans to change, the two pathway reporting systems could change if appropriate in the future.

Net Zero

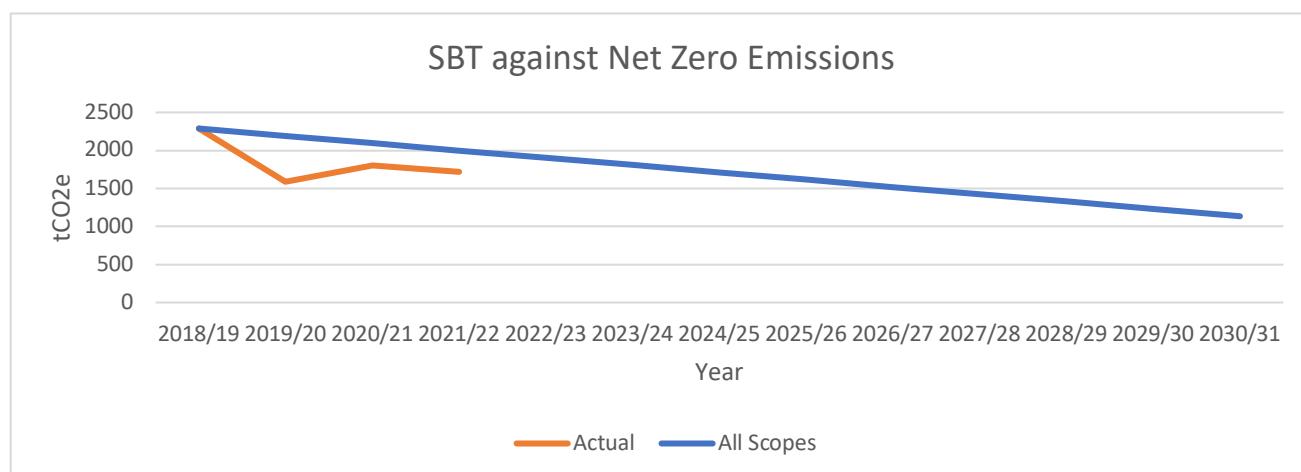


Figure 4. AUB performance against Science-Based-Target – Market-Based Reporting

Table 1. Net Zero Inventory totals 2021/2022 – Market-Based Reporting

Source	CO ₂ e (t)
Electric	0
Gas	616.276
Vehicle Fleet	10.942
Waste	4.691
Water	3.340
Wastewater	6.094
Rail	15.180
Flight	64.180
Commuting	948.458
Transmission & Distribution	50.365
Total	1,719.531

Sustainability

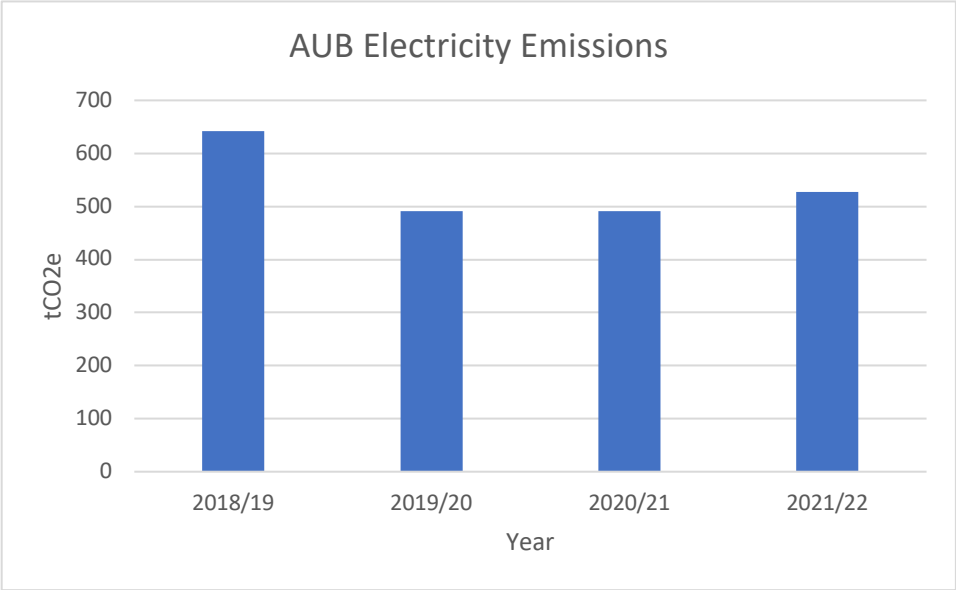


Figure 5. AUB electricity emissions (CO₂e)

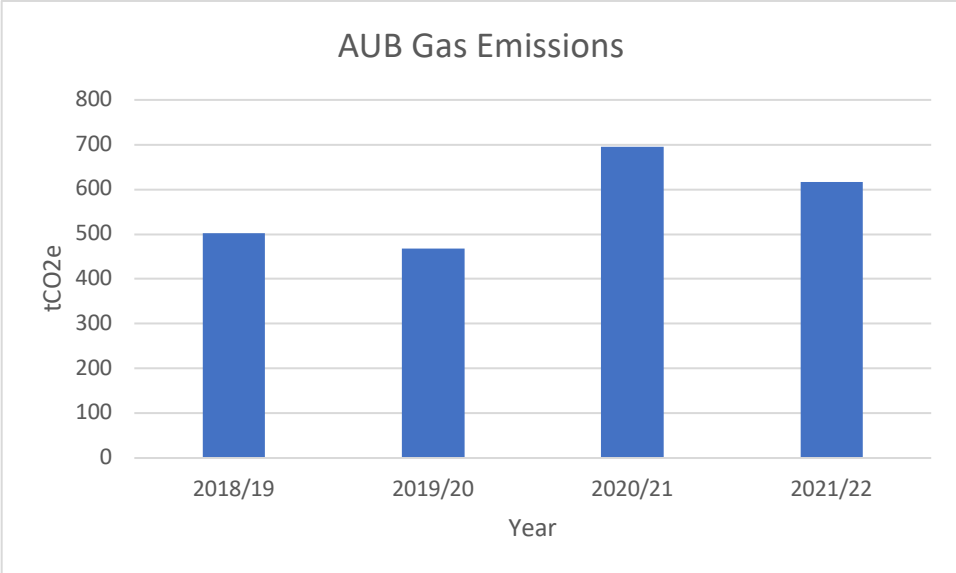


Figure 6. AUB gas emissions (CO₂e)

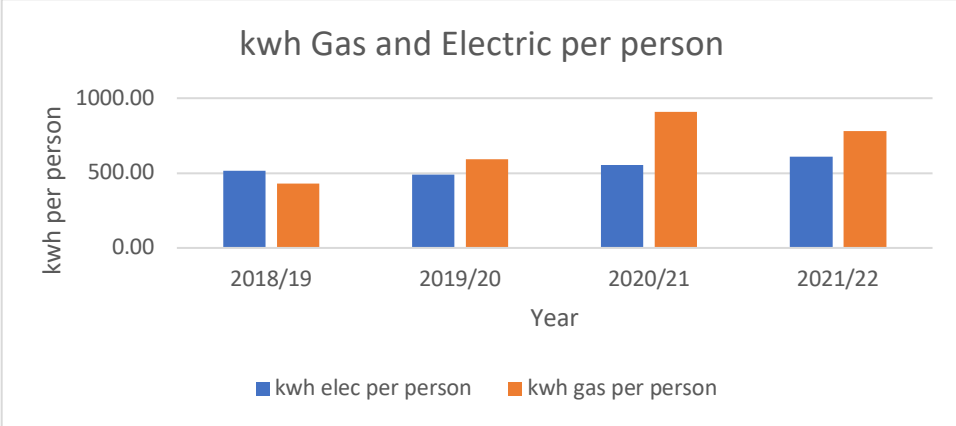


Figure 7. Gas and electric per person (kwh)

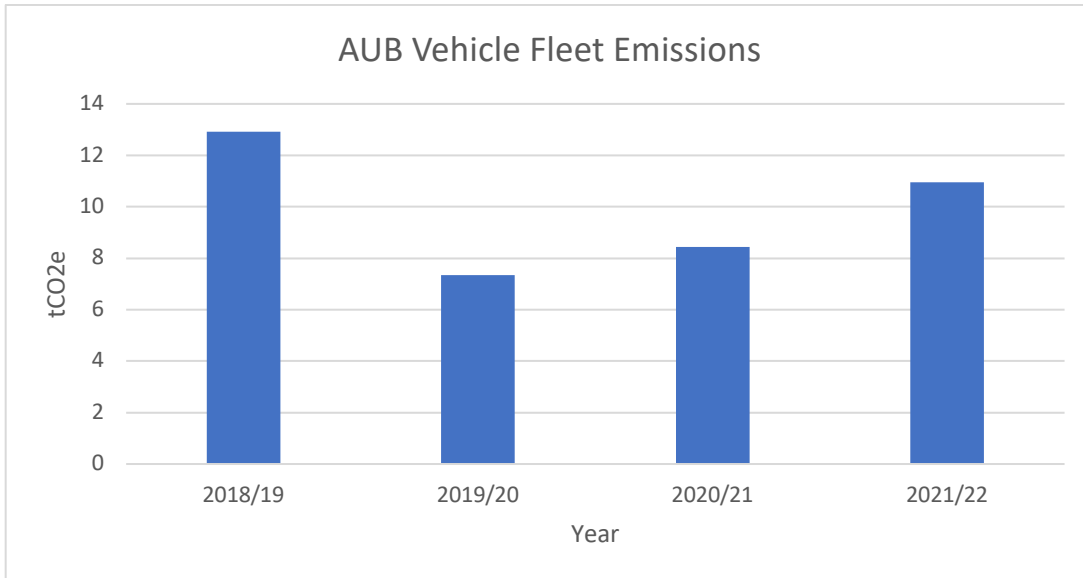


Figure 8. AUB Vehicle Fleet Emissions (tCO₂e)

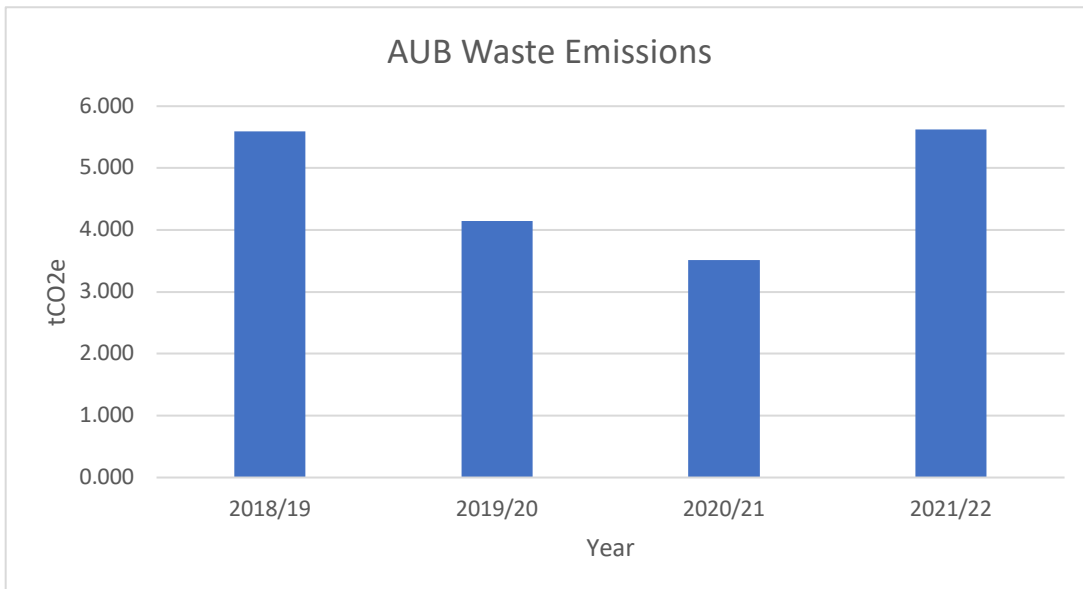


Figure 9. AUB Waste Emissions (tCO₂e)

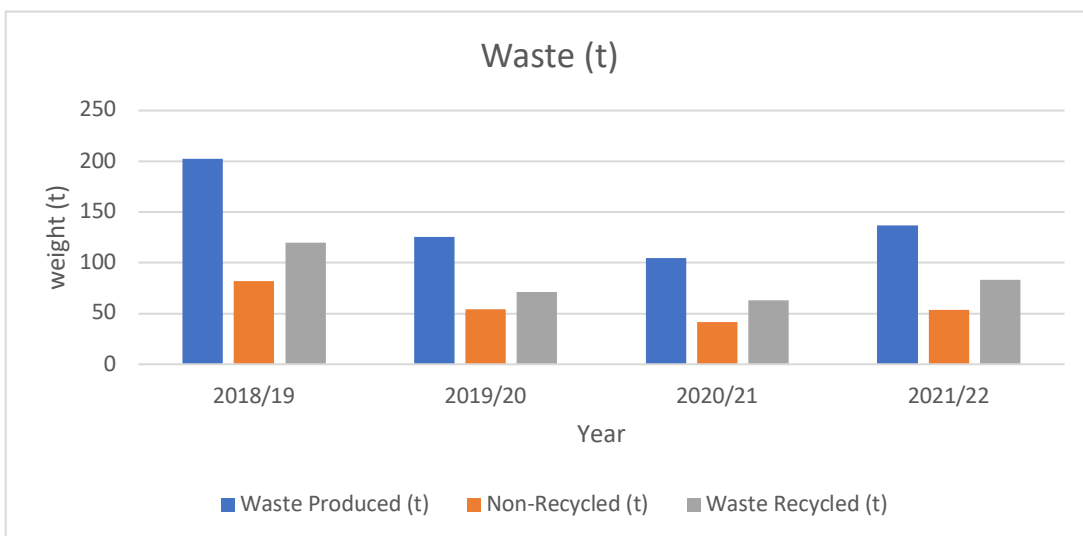


Figure 10. AUB waste produced, non-recycled waste, and waste recycled (t)

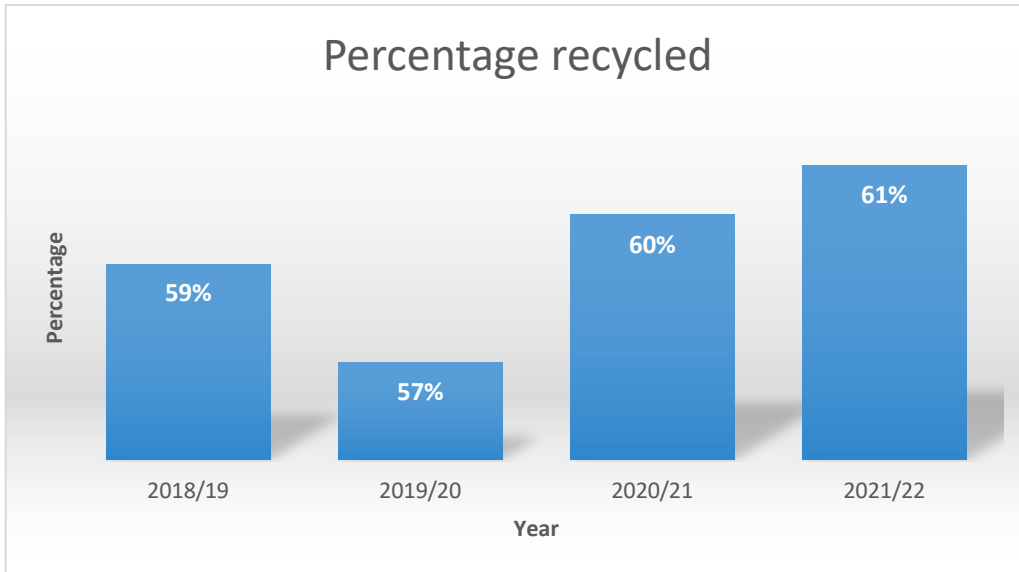


Figure 11. AUB recycle rate (exclusive of accommodation)

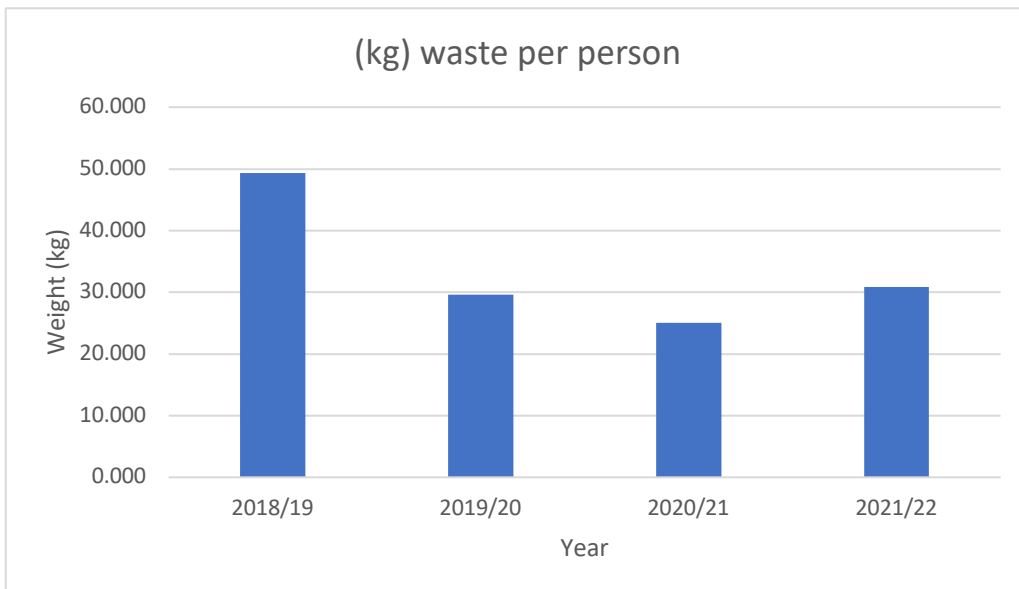


Figure 12. Waste per person (kg) (exclusive of accommodation waste)

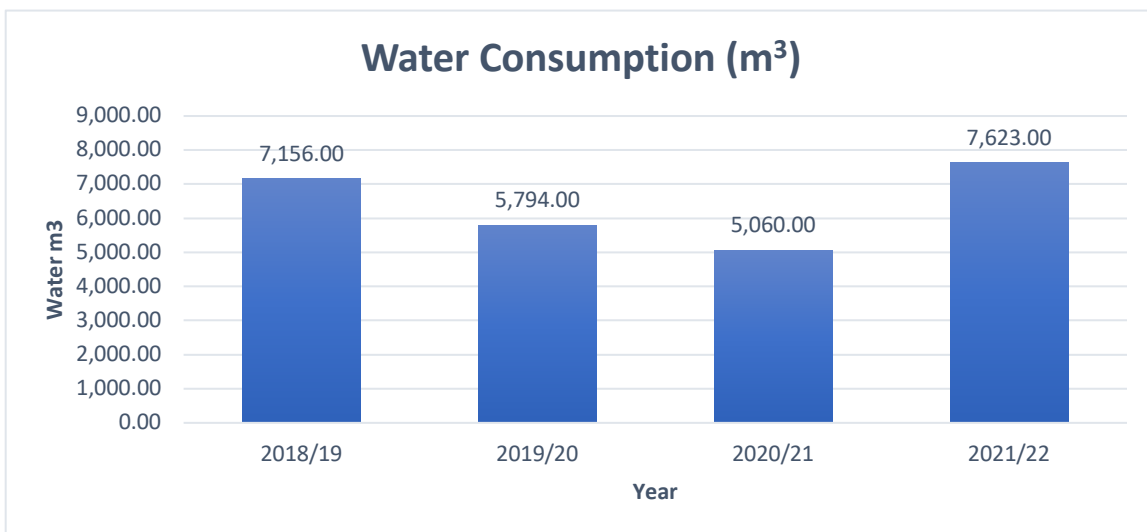


Figure 13. Water Consumption (m³). Main campus only (includes new Halls Campus in 2021/22 data)

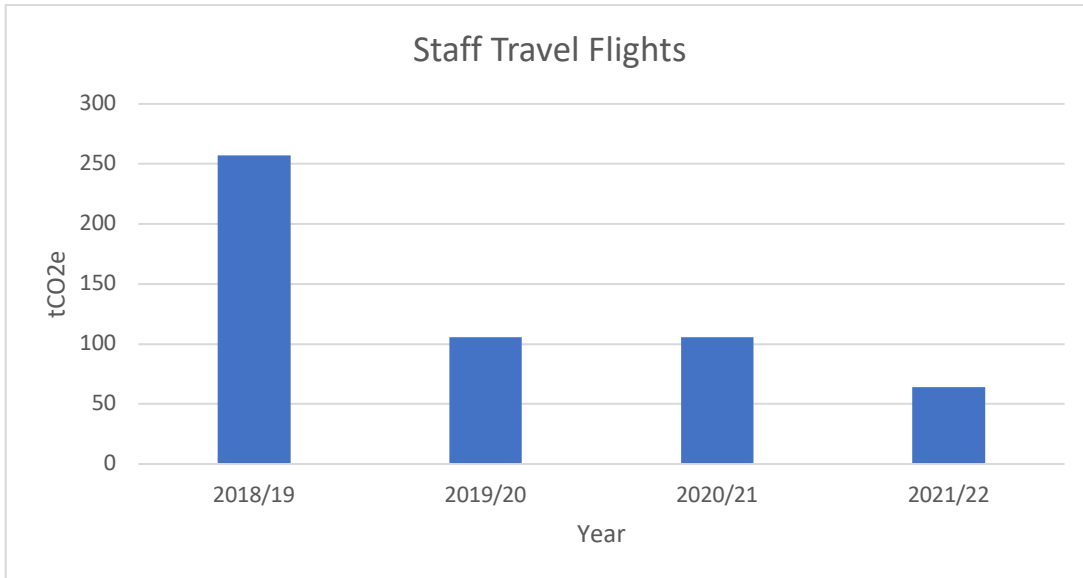


Figure 14. AUB Staff Travel Flights (tCO₂e)

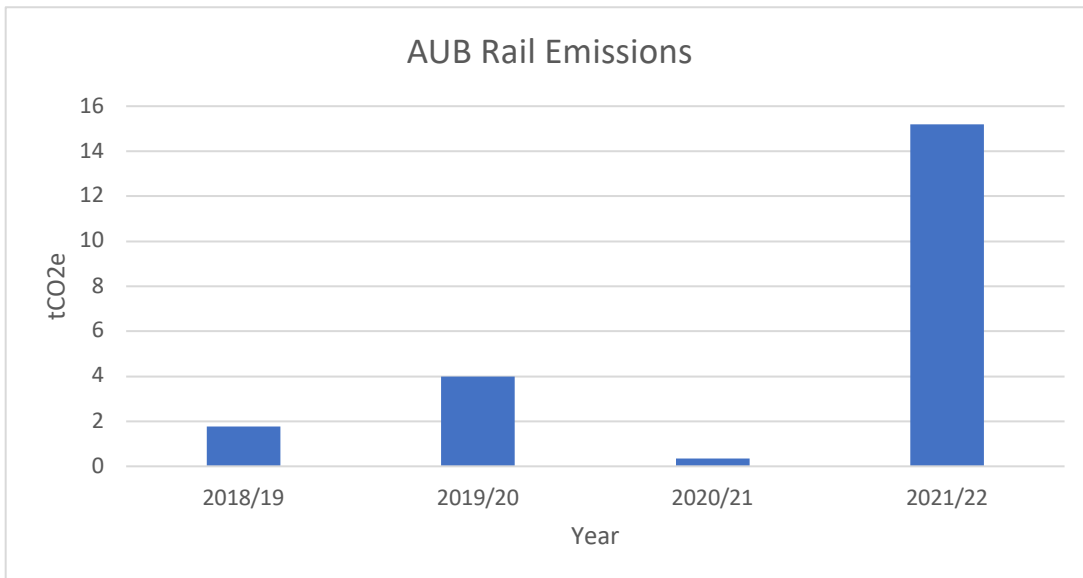


Figure 15. AUB Rail Emissions (tCO₂e)

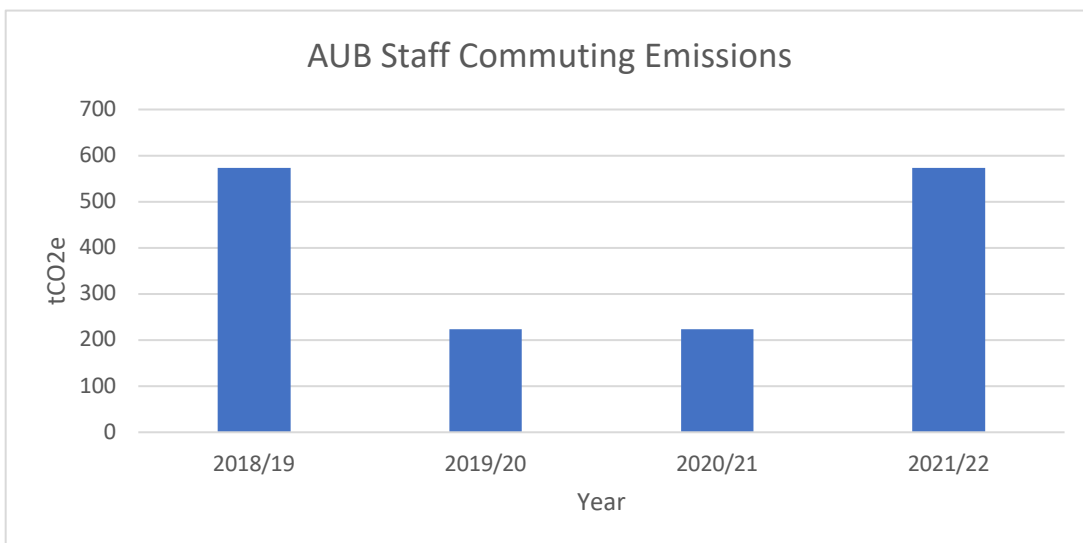


Figure 16. AUB Staff Commuting Emissions (tCO₂e)

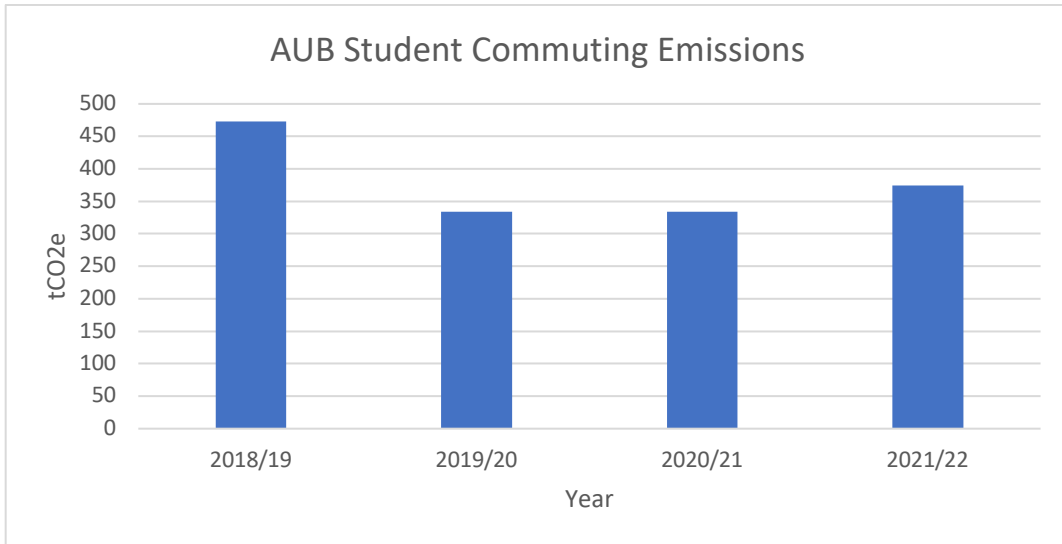


Figure 17. AUB Student Commuting Emissions (tCO₂e)

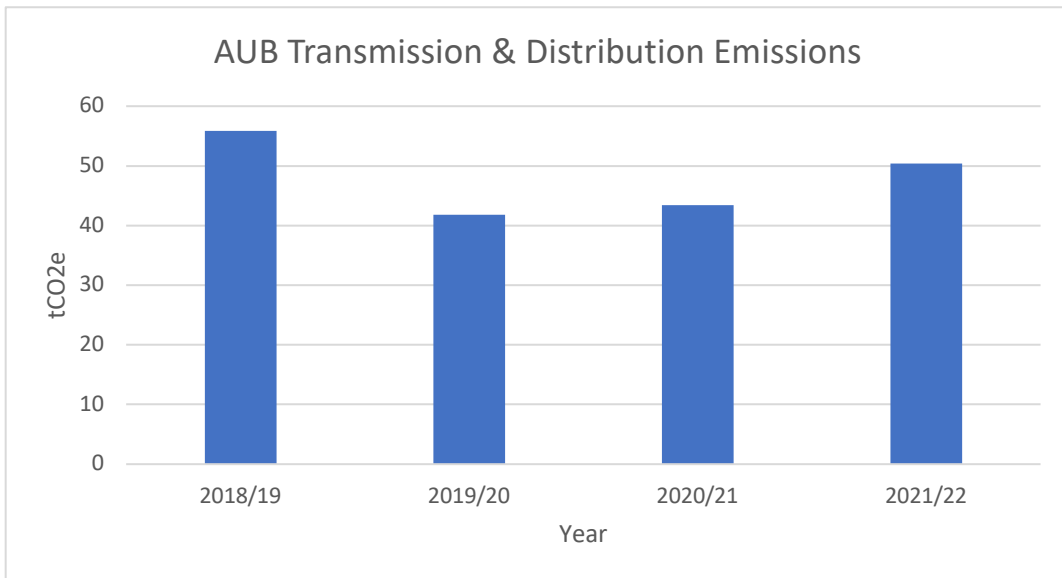


Figure 18. AUB Transmission & Distribution Emissions (tCO₂e)

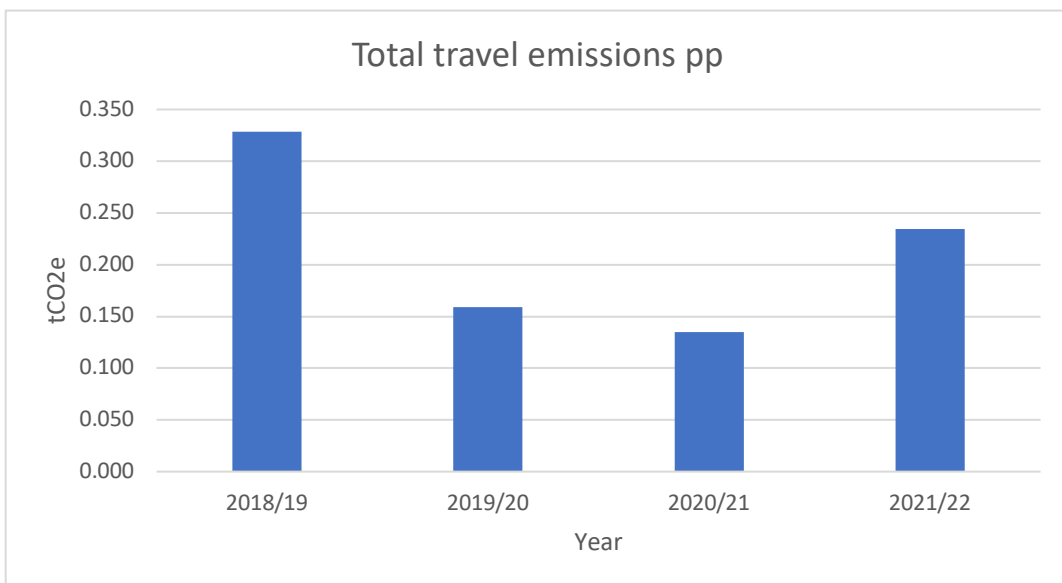


Figure 19. Total travel emissions per person (tCO₂e)

Table 2. Sustainability Inventory Totals 2021/2022 – Location-Based Reporting

Source	CO ₂ e
Electric	522.112
Gas	616.276
Vehicle Fleet	10.942
Waste	4.691
Water	3.340
Wastewater	6.094
Rail	15.180
Flight	64.180
Commuting	948.458
Transmission & Distribution	50.365
Total	2,241.643

Target Progression

Our SNZ targets and projects are listed below and coloured as per Table 3.

Table 3. Project stage

Project Colour	Description
Red	Project not started
Amber	Project to be started within next 12 months
Green	Project underway

Sustainability - Energy and Water

Table 4. * Saving is net-zero only, and not deducted from Sustainability total. Totals in blue are repeat baseline data and not included in total. An increase in emissions from electricity associated with transition to heat pumps will subsequently change the total.

Focus Area	Target	Project	Date	Baseline tCO ₂ e (unless stated otherwise)	Approx. tCO ₂ e Saving
Gas	0% emissions	Install heat pumps to replace gas boilers	2030	502.488	502.488
Gas	0% emissions	Change cooking heat from gas to electric	2025	Not known	Saving already counted (SAC)
Electric	0% emissions	Maintain renewable energy through REGO or PPA	2030	641.601	(*) 0
Electric	8% reduction (kWh)	Investigate, encourage, and promote behaviour changes	2030	(641.601) 2,510,176.056 (kWh)	51.328 200,814.084 (kWh)
Electric	Increase PV power input by 50% by	Extend PV provision	2025 and 2030	(641.601)	3.085 (2025)

	2025 and across all available roof space by 2030	throughout campus			
Electric	Investigate benefits.	Introduce battery technology for electric storage in buildings	Investigate benefits by 2025	N/A	N/A
Electric	10% reduction (kWh)	Investigate ISO5001 implementation	2025 to complete (begin 2023)	(641.601) 2,5101,176.056 (kWh)	64.160 251,017.605 (kWh)
Electric	Reduce printers throughout campus 40%	Decreasing the number of printers to lower energy and paper use	Aiming for 40% reduction in printers by September 2023	(641.601)	TBC
Electric	Migrate 15% of AUB systems (virtual & physical)	Moving to cloud storage will lower energy use from system use and cooling requirements	2025	(641.601)	TBC
Electric	AUB computer base to at least 60% laptops	Reduce desktop computers (personal and suites) and replace with laptops	2023	(641.601)	TBC
Monitoring	Purchase SMART monitoring technology	Purchase or acquire use of energy and water monitoring software	September 2023	648.957 (electric and water only)	64.896 (based on 10% saving)
Water	8% reduction (m3)	Reduce water use through behaviour change	2030	5.925 and 17,222m ³	0.474 and 1,377.76m ³
Water	10% reduction (m3)	Install non-water urinals and toilets (investigate chemical use)	2024	5.925 and 17,222m ³	0.592 and 1722.2m ³

Wastewater	18% reduction in water (m3)	Behaviour change, waterless toilets	2030	12.193 17,222 m3	2.195 tCO ₂ e 3,099.960m3
Water	Investigate potential to use grey water for toilet flushing or other potential water flushing requirements	Harvest rainwater	2023 target to have investigated possibility of water harvesting	TBC	TBC
Baseline Total tCO₂e					1162.207
Savings tCO₂e					689.218
2030 Total tCO₂e					472.989

Sustainable Resource Management

Table 5. Sustainable Waste Management. Blue data is repeated baseline data and not included in total.

Focus Area	Target	Project	Date	Baseline tCO ₂ e (unless stated otherwise)	Approx. tCO ₂ e Saving
Waste	25% reduction (t weight)	Investigate waste streams and associated reduction opportunities through behaviour change and procurement activity	2030 overall reduction 12% by 2025	5.597 tCO ₂ e 202.17t (weight)	1.079 tCO ₂ e 50.55t (weight)
Waste	20% food waste reduction	Investigate food procurement , portion size, increase food waste capture, increase food giveaway schemes	2026	6.464t (weight)	SAC (0.028 tCO ₂ e and 1.294t (weight))
Waste	Recycling rate 65% (adjust for accommodation waste)	Waste audit, procurement opportunities , education	2030	59%	SAC 11t (weight) of waste going to

					energy from waste
Waste	zero one-use coffee cups on campus	Restrict one-use coffee cup use to visitors, Open Day, or other-special events and only served from one eatery	Advertise/communicate from September 2023 no longer using one-use coffee cups. Sell AUB reusables in all AUB coffee outlets	TBC	TBC
Baseline Total tCO₂e					5.597
Savings tCO₂e					1.079
2030 Total tCO₂e					4.518

Travel

Table 6. Travel. Blue data is repeated baseline data and not included in total.

Focus Area	Target	Project	Date	Baseline tCO ₂ e (unless stated otherwise)	Approx. tCO ₂ e Saving
Travel	Zero staff car commuting emissions	Car permits to include off-set	September 2023	461.040	461.040
Travel	Reduce staff car use by 8%	Other travel incentives	2025	461.040	SAC 6.521 tCO ₂ e
Travel	Zero emissions for AUB fleet vehicle	Replace Fiat 500 with EV (or hydrogen) vehicle	2022	2.644	2.644
Travel	Zero emissions for AUB fleet vehicle	Replace Ford Crew with EV (or hydrogen) vehicle	2029	1.459	1.459
Travel	Zero emissions for AUB fleet vehicle	Replace Renault Van with EV (or hydrogen) vehicle	2029	1.311	1.311
Travel	Zero emissions for AUB fleet vehicle	Replace Smart Car with EV (or hydrogen) vehicle	2023	1.444	1.444

Travel	Zero emissions for AUB fleet vehicle	Replace i30 with EV (or hydrogen) vehicle	Replace with electric vehicle if technology supports long distance travel by road	2.028	2.028
Travel	Zero emissions for AUB fleet vehicle	Replace i800 with EV (or hydrogen) vehicle	2029	1.213	1.213
Travel	Zero emissions for AUB fleet vehicle	Replace Luton Van with EV (or hydrogen) vehicle	2029	1.163	1.163
Travel	Zero emissions for AUB fleet vehicle	Replace Relay with EV (or hydrogen) vehicle	2029	1.661	1.661
Travel	Zero emissions of AUB bus fleet	Electrification of the bus fleet (by contract negotiation)	2035	TBC (Sept 2022)	TBC (Sept 2022)
Travel	Data capture	Obtain flight data through automated procedure	September 2023	N/A	N/A
Travel	Data capture	Obtain rail data through automated procedure	September 2023	1.78	N/A
Travel	Data capture	Obtain hire vehicle data through automated procedure	September 2023	N/A	N/A
Travel	Delivery emissions	Keep using current calculation until further clarity on procurement	On-going	41.290	TBC
Travel	Data capture	Obtain overnight stay data for emission calculation	September 2023	N/A	N/A
Baseline Total tCO₂e					517.033

Savings tCO₂e	473.963
2030 Total tCO₂e	43.070

Sustainable Campus

Table 7. Sustainable Campus. Blue data is repeated baseline data and not included in total.

Focus Area	Target	Project	Date	Baseline tCO ₂ e (unless stated otherwise)	Approx. tCO ₂ e Saving
Food	Improve healthy options and lower associated emissions year on year	Improve sustainable, ethical, and healthy eating options in eateries	On-going	N/A	Student survey and food audit/assessment
Buildings	Refurbishments to existing buildings to raise energy, heat, and water efficiency	Existing buildings will need refurbishment to lower energy, heat and water costs and improve efficiency and net zero	Refurb report 2025/26	648.957 (electric and water only)	TBC
Buildings	All new builds to be at least one of net-zero, BREEAM, or WELL standard	Eliminates potential net-increase from campus expansion	2022	648.957 (electric and water only)	No increase from campus expansion or refurbishment

Biodiversity

Table 8. Biodiversity

Focus Area	Target	Project	Date	Baseline tCO ₂ e (unless stated otherwise)	Approx. tCO ₂ e Saving
Biodiversity	Demonstrate year on year net-biodiversity gain	Increase biodiversity net-gain through various projects	On-going	Set a baseline	Use a net-biodiversity gain matrix for 2024 onwards
Pollinators	Set a percentage target to increase	Introduce, improve pollinator	On-going	Set a baseline	Use a net-biodiversity gain matrix

	pollinator friendly ecology and habitats to mitigate against the ecological crisis	friendly ecology			for 2024 onwards
Hedgehogs	Obtain hedgehog friendly campus status	Work towards gold certification over the next three years	December 2024 gold certification	No certification	Gold certification

Social Justice

Table 9. Social Justice

Focus Area	Target	Project	Date	Baseline tCO ₂ e (unless stated otherwise)	Approx. tCO ₂ e Saving
Governance	Ensure all AUB policies reflect net zero commitments	Assess all policies to ensure		No policies checked	All policies assessed
Palm Oil	Reduce / eliminate uncertified palm oil use	AUB signed up (11/21) so an initial analysis will set a baseline and then target improvements	Catering – September 2022 and then new target for other contracts	Non-signatory	Signatory
Fairtrade	Maintain Fairtrade certification	Re-certify every two years	2022, 2024, 2026, 2028 and 2030	Uncertified	Certified
Procurement	Contract tender procedures consolidated. Data capture started for 'other' procurement	Investigate emissions and social justice issues upstream in the supply chain	2022 and ongoing to 2030	N/A	Data capture and calculations will move aspects into other categories and net zero inventory