

NELSON MANDELA UNIVERSITY



SUSTAINABILITY AND STEWARDSHIP INDICATORS

Produced by the Office for Institutional Strategy

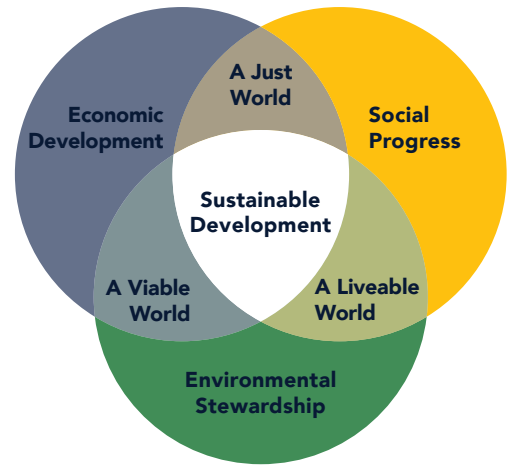
Q4
2024



SUSTAINABLE DEVELOPMENT DEFINED

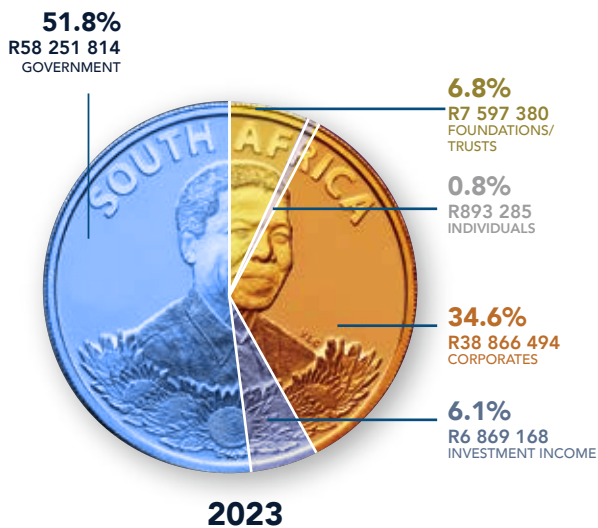
“ Development that meets the needs of the present without compromising the ability of future generations to meet their own needs. ”

(Source: Brundtland Commission Report, 1987)



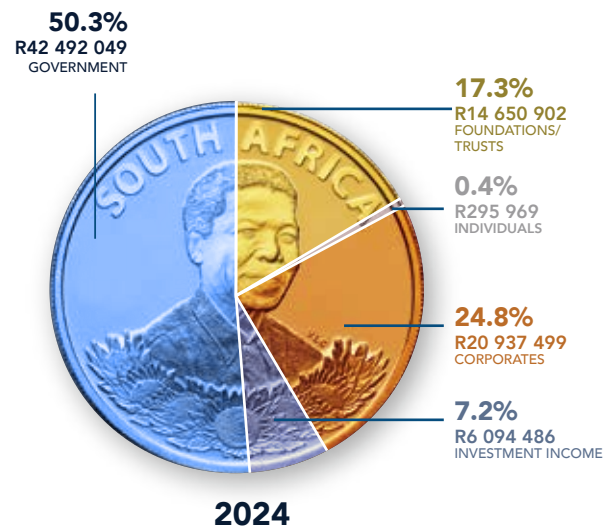
FUNDING MOBILISED THROUGH THE NELSON MANDELA UNIVERSITY TRUST IN 2023 - 2024

Resources mobilised through the Strategic Resource Mobilisation and Advancement (SRMA) Office from 1 January - 31 December 2023, and from 1 January - 31 October 2024



2023

TOTAL AMOUNT MOBILISED IN 2023 **R112 478 141**



2024

TOTAL AMOUNT MOBILISED IN 2024 **R84 470 905**

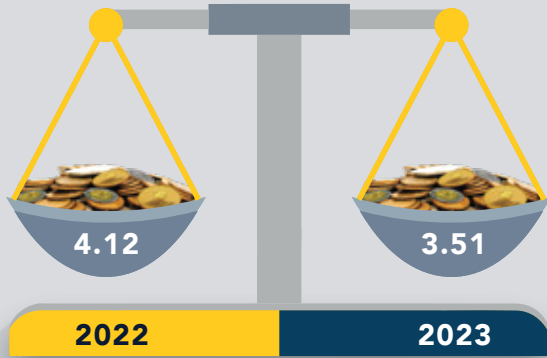
ALUMNI DONATIONS: 2020 - 2024

INCLUSIVE OF ALUMNI GIVING AND ALUMNI SUPPORTED PROJECTS*



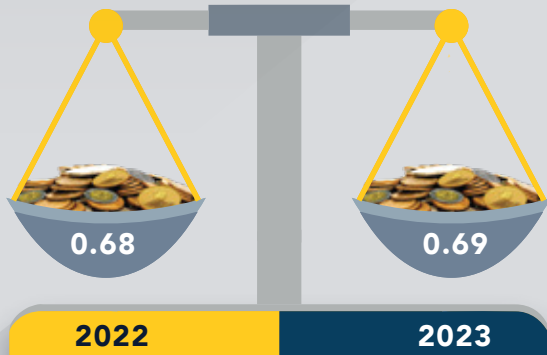
*From September 2022 donations could be made via a new online Giving Platform - <https://www.mandela.ac.za/giving-to-mandela-university>. The individuals donating on the giving platform include alumni, staff (including staff who are alumni), convocation members, some study abroad alumni, friends, etc., who had options to donate to various university causes.

LIQUIDITY RATIO, I.E. CURRENT ASSETS/CURRENT LIABILITIES



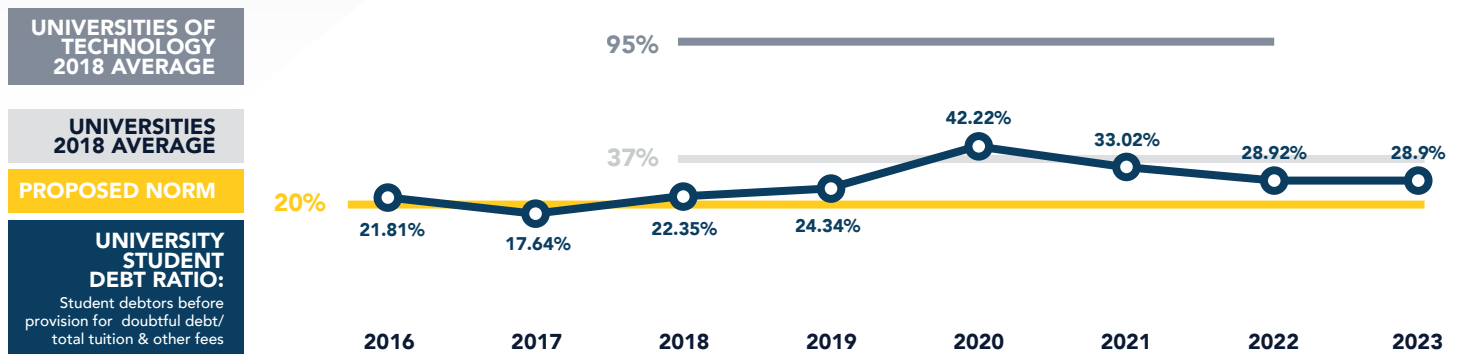
Liquidity ratio is sound, as it far exceeds the expected norm of 2:1, meaning the University is able to pay its short term liabilities as they become due (although it declined compared to the 2022 ratio).

SUSTAINABILITY RATIO, I.E. CUMULATIVE RESERVES/ANNUAL EXPENDITURE



The sustainability ratio (total reserves) indicates the ability of the University to continue with operations without new funding in the next financial year. This is below the Council approved target of 1. There was a slight improvement in 2023 compared to the 2022 ratio.

STUDENT DEBT RATIO

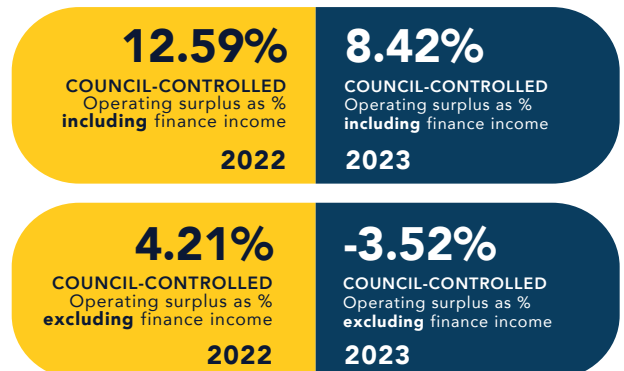


STAFF COSTS AS % TOTAL RECURRENT EXPENSES



OPERATING SURPLUS

The operating surplus reflects the operating surplus (Council-controlled income less Council-controlled expenses) as a percentage of Council-controlled income.



HUMAN RESOURCE DEVELOPMENT SPEND

Amount spent on Human Resource Development for the period 1 January - 31 October 2024

VARIOUS SHORT LEARNING PROGRAMMES
(as per ProSkill C)

R2 043 235

SHARED SERVICES INTERVENTIONS

R295 618

TEACHING DEVELOPMENT SPEND*

R775 864

NOTE: *All of the programmes are funded from non-Council funds, mainly from the University Capacity Development Grant



STAFF TERMINATIONS: 1 JANUARY - 31 OCTOBER 2024

ACADEMIC STAFF

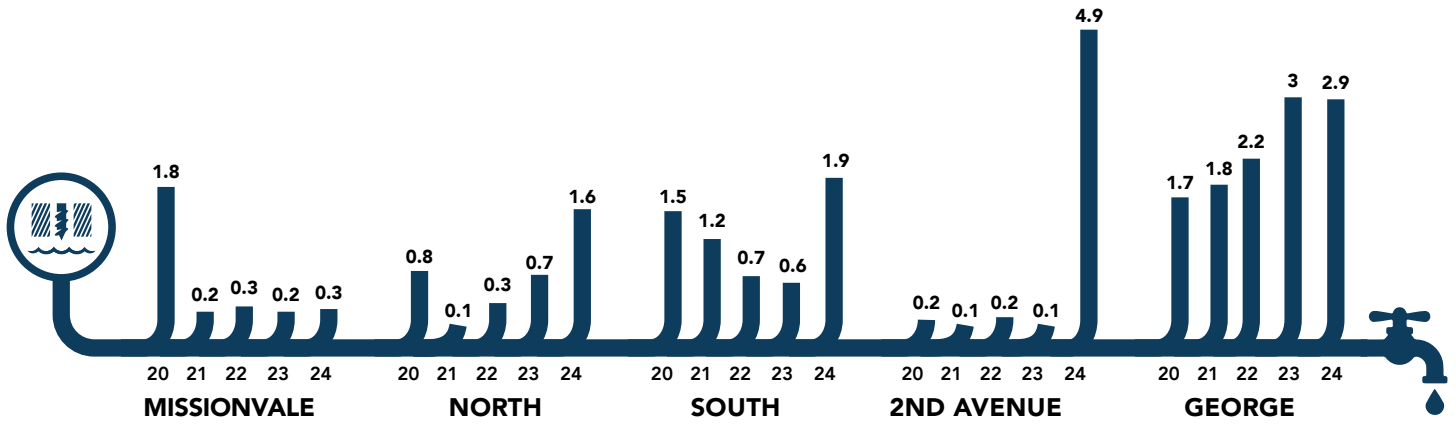
REASONS FOR TERMINATION OF SERVICES	AFRICAN FEMALE	AFRICAN MALE	COLOURED FEMALE	COLOURED MALE	FOREIGN MALE	INDIAN FEMALE	INDIAN MALE	WHITE FEMALE	WHITE MALE	TOTAL
CONTRACT EXPIRED					3					3
DECEASED	1								1	2
PERMANENTLY DISABLED			1	1						2
RESIGNED	5	4	2	2	2	1	1	3	4	33
EARLY RETIREMENT									1	1
RETIRED		1						1	1	3

PROFESSIONAL, ADMINISTRATIVE AND SUPPORT STAFF

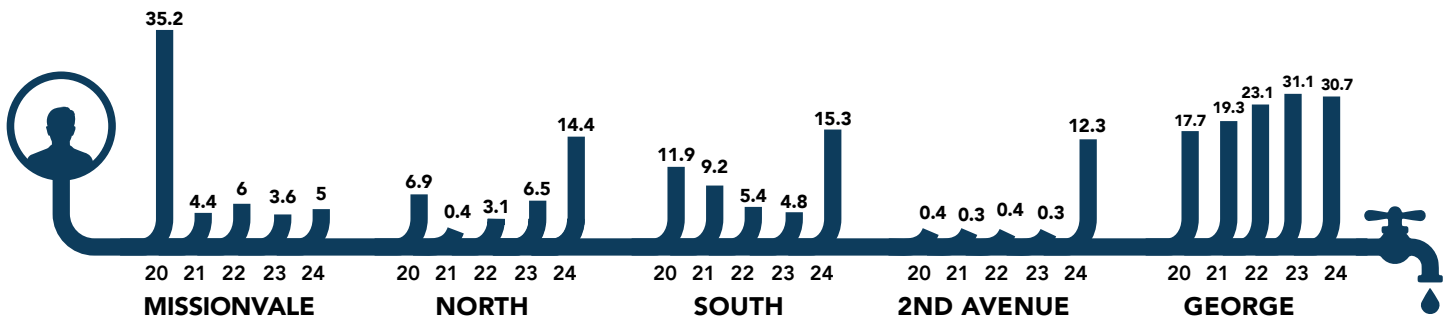
REASONS FOR TERMINATION OF SERVICES	AFRICAN FEMALE	AFRICAN MALE	COLOURED FEMALE	COLOURED MALE	FOREIGN FEMALE	INDIAN FEMALE	WHITE FEMALE	WHITE MALE	TOTAL
CONTRACT ENDED	1						1		2
CONTRACT EXPIRED	10	6	4	1		1	3	4	40
LABOUR RELATIONS ACT RETRENCHMENT						1	3	1	5
DECEASED	3	4							7
DISMISSAL MISCONDUCT	2	3	1						6
DISMISSAL RETRENCHED			2				2	1	5
PERMANENTLY DISABLED	2		1					1	4
RESIGNED	5	6	4	4	1	1	5		40
RESIGNED BEFORE END OF CONTRACT	2	2							4
EARLY RETIREMENT	1	1	1	1			3		7
RETIRED	1						1	1	3

WATER USAGE 2020 - 2024

WATER CONSUMPTION MEASURED IN KILOLITRES PER M² OF USABLE SPACE FOR EACH CAMPUS

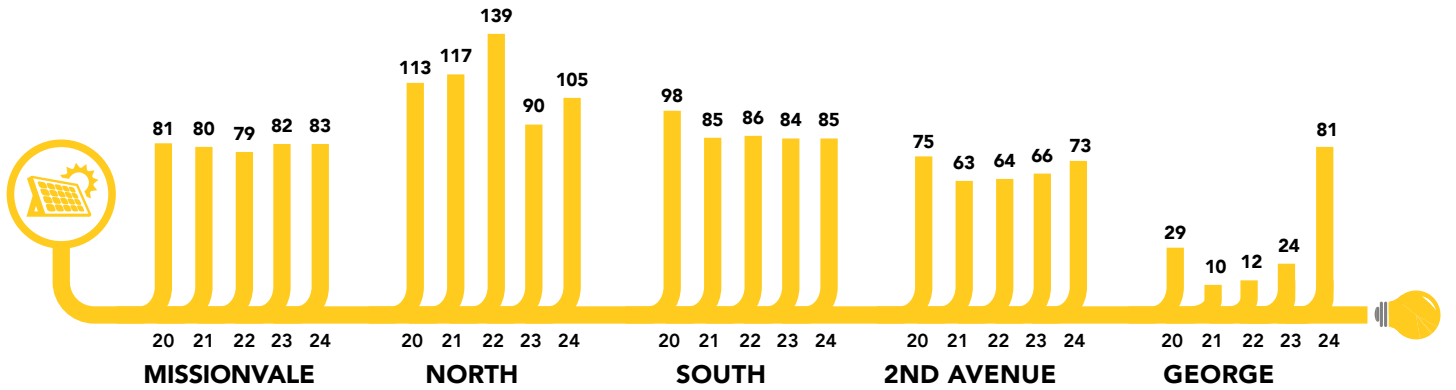


WATER CONSUMPTION MEASURED IN KILOLITRES PER STUDENT

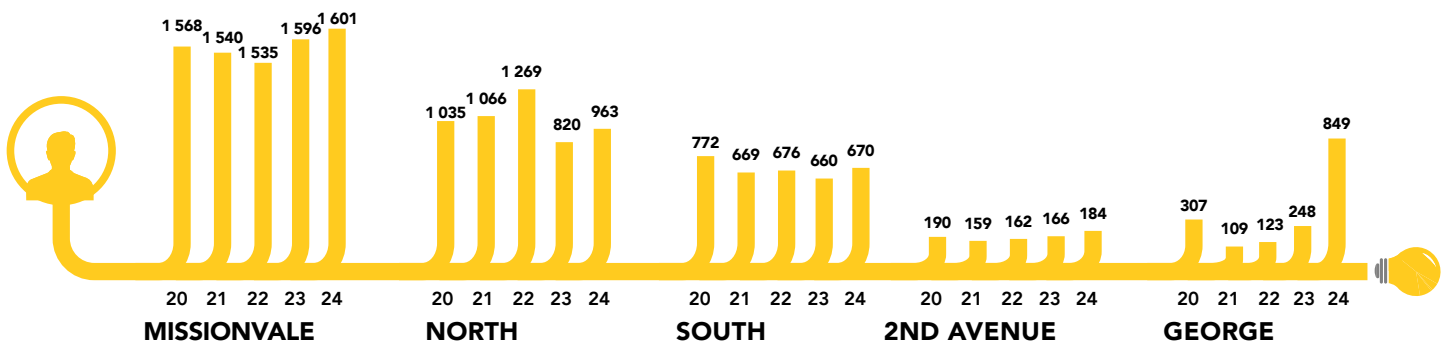


ELECTRICITY USAGE 2020 - 2024

ELECTRICAL CONSUMPTION MEASURED IN KWH PER TOTAL GROSS M²

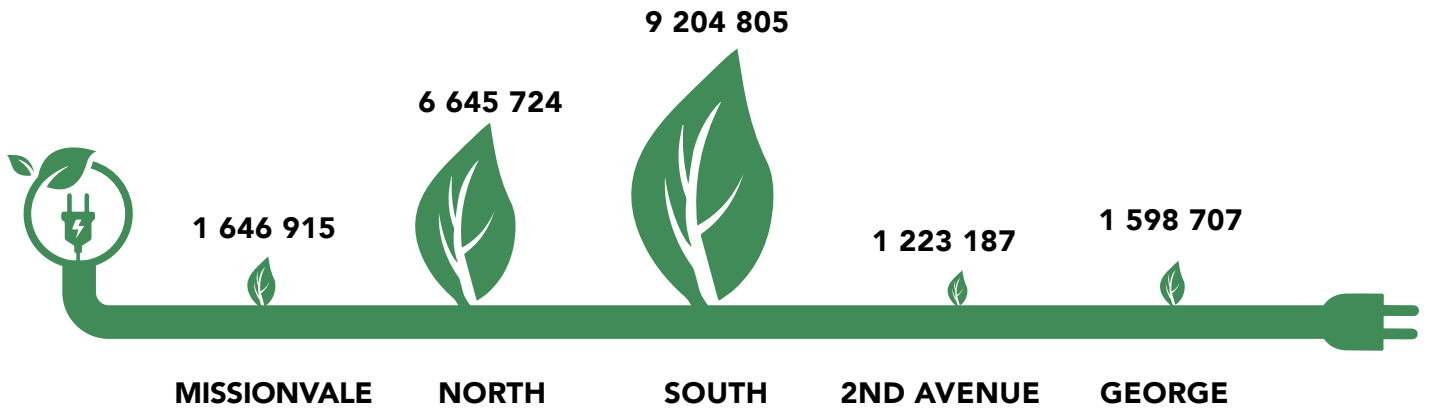


ELECTRICAL CONSUMPTION MEASURED IN KWH PER STUDENT



NOTE: Historic data for both Bird Street and Ocean Sciences have not been accurate and will be refined for inclusion in future statistics.

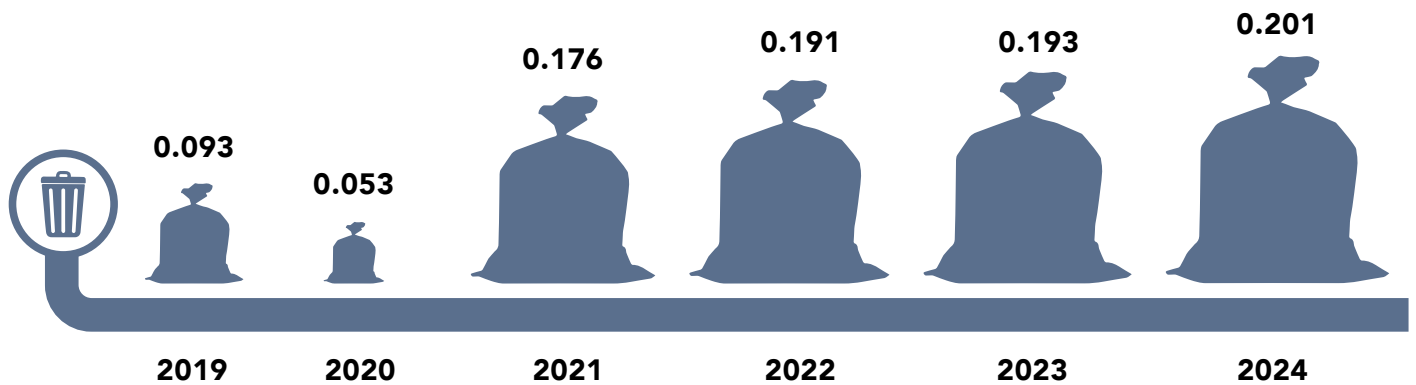
ENERGY CONSUMPTION PER CAMPUS 2024



The green energy generated (only on South Campus), is 912 250 kWh, or 10% of the energy for that campus.

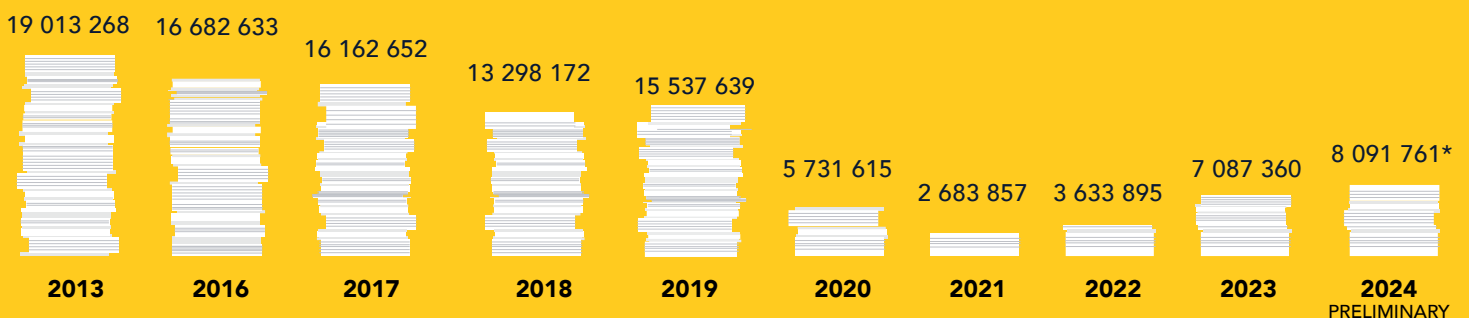
M³ OF WASTE TO LANDFILL PER M² FOR ALL UNIVERSITY CAMPUSES

Cubic metre of waste (m³) generated per square metre (m²) of usable space on all the University campuses.























REPROGRAPHICS FROM 2013 - 2024

PAGES PRINTED PER YEAR



*In line with the increased activity, students and staff on campus, the number of copies increased by almost a third in 2022. Although the University has moved onto electronic platforms for many of its functions, the examination process and related operations still require printing, as required by academic accreditation bodies. The total pages printed a year increased substantially in 2023 (almost doubling the 2022 total). Preliminary figures for 2024 show another increase, although the totals are still well below pre-COVID-19 pandemic totals.

CARBON FOOTPRINT MEASURED IN METRIC TONNES PER TOTAL GROSS M²

	CATEGORY 1: DIRECT GHG EMISSIONS AND REMOVALS tCO ₂ e	CATEGORY 2: INDIRECT GHG EMISSIONS FROM IMPORTED ENERGY tCO ₂ e	CATEGORY 3: INDIRECT GHG EMISSIONS FROM TRANSPORTATION tCO ₂ e	CATEGORY 4: INDIRECT GHG EMISSIONS FROM PRODUCTS USED BY AN ORGANISATION tCO ₂ e	CATEGORY 5: INDIRECT GHG EMISSIONS ASSOCIATED WITH THE USE OF PRODUCTS FROM THE ORGANISATION tCO ₂ e	CATEGORY 6: INDIRECT GHG EMISSIONS FROM OTHER SOURCES tCO ₂ e
2019	 6 644	 25 686	 34 639	 558		 7 418
2020	 4 614	 18 389	 12 566	 396		 4 225
2021	 5 726	 19 099	 10 152	 272		 14 087
2022	 1 709	 24 419	 35 442	 217		 15 282
2022						
STAFF	5 804	5 804	5 804	5 804	5 804	5 804
STUDENTS	30 178	30 178	30 178	30 178	30 178	30 178
M² GROSS USABLE SPACE	227 709	227 709	227 709	227 709	227 709	227 709
tCO₂e PER STAFF MEMBER	0.99	3.29	1.75	0.05		2.43
tCO₂e PER STUDENT	0.19	0.63	0.34	0.01		0.47
tCO₂e PER M² USABLE SPACE	0.03	0.08	0.04	0.00		0.06

tCO₂e: Tonnes (t) of carbon dioxide (CO₂) equivalent (e). The tCO₂e related to each of the SANS categories.
NOTE: The most recent data available is for 2022. 2023 figures are not yet available.

BROAD-BASED BLACK ECONOMIC EMPOWERMENT LEVEL: 2022 - 2023**

	VERIFIED - 2022 FY*	VERIFIED - 2023 FY*	AVAILABLE POINTS
MANAGEMENT CONTROL	15.63	15.53	20
SKILLS DEVELOPMENT (including Bonus Points)	13.31	11.67	30
ENTERPRISE & SUPPLIER DEVELOPMENT	48.52	48.71	54
PREFERENTIAL PROCUREMENT	29.93	26.71	30
SUPPLIER PROCUREMENT	15	15	15
ENTERPRISE DEVELOPMENT	1.59	5	5
BONUS POINTS	2	2	4
SOCIO-ECONOMIC DEVELOPMENT	5	5	5
TOTAL	82.46	80.91	109
BBBEE STATUS LEVEL	Level 5	Level 4	
BBBEE STATUS LEVEL AFTER DISCOUNTING	Level 5	Level 4	
% OF AVAILABLE POINTS	75.65%	74.23%	

*BBBEE verification is based on the latest set of audited financial statements.

**The 2024 verification process commences now that the 2023 audited annual financial statements are available.

FUNDING FOR ENVIRONMENTAL SUSTAINABILITY PROJECTS 2025 - 2029

PHOTOVOLTAIC SOLAR INSTALLATIONS ACROSS ALL CAMPUSES:



2025: R45 000 000
2026: R20 000 000

PV Solar installations on all our campuses, +- 4 Megawatt. This will be put out to tender in February 2025. This will be a 11 month contract, across all campuses, including George.

ONGOING WATER STRATEGY IMPLEMENTATION: R14 620 000

PLANNED FOR 2025 – 2029

2025
R2 680 000

2026
R2 860 000

2027
R3 280 000

WATER PROJECTS

2029
R2 300 000

2028
R3 500 000

This relates to projects across the campuses to ensure water security.

NEW INFRASTRUCTURE TO PROMOTE SUSTAINABLE WATER USE

Three reservoirs have been installed on South Campus. Together they are able to extract, store and distribute 650 000 litres of borehole water.

150 000L RESERVOIR AND PUMP STATION AT THE ASTRO TURF ON SOUTH CAMPUS, SPORTS PRECINCT



450 000L RESERVOIR AND PUMP STATION AT THE CRICKET B FIELD ON SOUTH CAMPUS, SPORTS PRECINCT



The three installations were initiated in November 2023, and completed in full, in April 2024, at a cost of R2.5m.

