ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

TIMES HIGHER EDUCATION / IMPACT RANKINGS EVIDENCE FACT FILE

SDG 13 / INDICATOR 13.4.1
Commitment to a Carbon Neutral University

Cyprus International University • North Cyprus – Türkiye • www.ciu.edu.tr



SDG 13	13.4.1	2026
Climate Action	Target date for carbon neutrality	Stated completion of the biogas plant that CIU says makes the campus net zero carbon

Purpose of this evidence file

This fact file answers THE Impact Rankings SDG 13 measure 13.4.1: “Does your university as a body have a target date by which it will become carbon neutral according to the Greenhouse Gas Protocols?” It sets out what Cyprus International University (CIU) commits to, the energy projects that carry the commitment, and a carbon neutrality commitment with target dates mapped to the Greenhouse Gas Protocol.

INDICATOR 13.4.1

Commitment to carbon neutrality at a glance

CIU's "Commitment to carbon neutral university" (2025) states that when the biogas plant is finished "CIU will be completely net zero carbon campus through its own means". The plant was planned to finish in 2025-2026. The 800 kW combined heat and power (CHP) unit is built, permitted and test-run (15,289 kWh in 22 hours), and the 1.3 MWp solar plant produced about 1.88 million kWh in 2024–2025. CIU's Climate Action Plan also pledges 100% renewable energy on campus.

1.3 MWp	800 kW	2026 / 2030
Solar PV installed; 1.88 million kWh in 2024–2025	CHP unit built and test-run: 15,289 kWh in 22 hours	Dated milestones in CIU plans: biogas plant 2026; divestment and −20% energy use 2030

Evidence scope

No.	Evidence item	Where
1	CIU commitment	Page 3
2	CIU's carbon management process and the dated milestones in its SDG 7 plans	Page 4
3	The route to net zero: energy, transport, buildings, waste, mapped to Protocol scopes	Page 5
4	CIU Carbon Neutrality Commitment (proposal)	Page 6
5	Dated record and key figures	Page 7
6	Proposed annual emissions tracker	Page 8
8	Information from every linked page, by page	Pages 10–11
9	Evidence: commitment document, emissions table; biogas process diagrams	Pages 12–25

WHAT CIU COMMITS TO

CIU' commitment

Statement	What CIU says	Reading	Source
Net zero carbon campus	"when the biogas plant fully finishes the construction, CIU will be completely net zero carbon campus through its own means."	A commitment tied to a project; no year, scope or method.	**Evidence A, page 1**
Near-zero energy campus	The CHP "marks a major step toward CIU's vision of becoming a near-zero energy campus".	CIU' vision	**Evidence A, page 1**
100% renewable energy	CIU "pledged to use 100% renewable energy sources within the Campus"; about 30% now, 100% "after the biogas project is completed", "by the end of 2025".	A pledge with a date that has passed; the biogas plant is now due in 2026.	**CIU SDG 7 page**
Carbon-neutral campus goal	GreenMetric news, 14 December 2024: "significant progress has been made towards the goal of having a carbon-neutral campus".	Confirms the goal publicly; gives no figures or date.	**CIU news, Dec 2024**
Biogas plant date	"planned to finish by 2025, however due to governmental approvals, this date was pushed to 2026"; approvals from the Renewable Energy Department and KIBTEK gathered and building permits completed.	The nearest thing to a target date. It is for the plant, not for carbon neutrality.	**Evidence A, page 1**
Emissions programme	Six measures: paid parking, renewable electricity, free bicycles, free shuttles to Nicosia, Famagusta and Kyrenia, a building renovated every two years, free EV charging linked to the PV panels.	Operating measures; no tonnes saved are stated.	**Evidence A, page 3**

CARBON MANAGEMENT PROCESS AND DATED MILESTONES

Milestones already set in CIU's plans

Step	Stage	What CIU states	Date	Status
1	Measure	PV output logged by installation since 2017–2018; CHP test run; solar thermal yield; one building audited each year; smart and sub-meters planned (100% of buildings connected by 2027, target T2 of the 7.2.2 plan).	2017 to 2027	In place; metering planned
2	Set a baseline	A 2025 baseline for energy, water and CO_2 e per building area and per student and staff member (7.2.2, action A2).	2025 to 2026	Proposed
3	Set targets	Near-zero energy campus; net zero carbon once the biogas plant is complete; full divestment from carbon-intensive energy; energy use per square metre down 20% against the 2025 baseline (target T6).	2026; 2030	Stated; T6 proposed
4	Reduce	Solar PV 1.3 MWp, solar thermal, 800 kW CHP and biogas, building efficiency measures; Building Energy Upgrade Plan in five phases, 17 actions.	Now to 2030	In place; biogas under construction
5	Govern	Sustainable Energy Research Center leads renewables; Energy Efficiency Oversight Committee monitors the policy; the Energy Management Committee of SERC applies it; the Executive Board approves plans.	Standing	In place
6	Report and review	Annual energy performance report by building from 2026; mid-term review in 2027; final evaluation in 2030; annual divestment progress reports on the CIU website.	2026; 2027; 2030	Proposed; divestment reports committed

What this adds to the answer

CIU already has a carbon management process and a set of dated steps: 2026 for the biogas plant, 2027 for the review and metering, 2030 for divestment and a 20% cut in energy intensity. They are dates for energy projects and efficiency, not a carbon neutral target under the Greenhouse Gas Protocol. The proposal on page 6 uses the same baseline and review years, so one adoption decision joins the two.

Two items rest on documents not reviewed here: the divestment target (7.2.6) and the approval status of the 7.2.2 plan. Confirm both before citing them as adopted.

ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

THE ROUTE TO NET ZERO

Assets and measures, mapped to Protocol scopes

Asset or measure	Figures stated	Status	Scope	Source
Solar PV (SERC, from 2015)	1.3 MWp: land 750 kW, Stonite 200 kW, carports 235 kW, roof 100 kW, façade 21 kW. About 1,876,143 kWh in 2024–2025.	**Operating**	Scope 2	**Evidence A, page 2**
Solar thermal and wind	More than 300 solar thermal panels for hot water; a 2 kW wind turbine, 1,352 kWh. The yield is written as 2.268 MWh in the Climate Action Plan and 2,268 MWh in the 7.2.3 file.	**Operating**	Scope 1 and 2	**Climate Action Plan**
800 kW CHP and biogas	Could give more than 7 million kWh a year if run continuously; test run fed the grid, 15,289 kWh in 22 hours. Biogas plant: whey and animal manure to 411 m³/h of methane, for 1,169 kW of electricity and 700 kW of heat for external users. Feedstock sources: campus waste and sister companies (Taşkent Tavukçuluk, Levent Farms); partner AGO ENERGY.	**Built; biogas due 2026**	Scope 1 and 2	**CIU biogas page**
Transport	Paid, zoned parking; free bicycles, e-bikes for administration; free shuttles to three cities; free EV charging from PV. SDG 11 file: shuttle fleet planned from 21 to 25 vehicles.	**Operating**	Scope 3 (commuting); Scope 1 (fleet)	**SDG 11.4.1 targets**
Buildings	LED 100% of area; VRF cooling 85%; sensors 75%; roof insulation of all roofs but one block; ERTEK monitoring of 17 building groups. Upgrade plan 2025–2030 to cut energy use per square metre 20% by 2030.	**Operating; plan proposed**	Scope 2	**Low-carbon energy 2024**
Water and waste	All campus water treated, 1,300 tons a day, used for irrigation; dual-stream recycling; paper, plastic, wood and construction waste reused.	**Operating**	Scope 3 (waste)	**Evidence A, page 3**

How far the stated route reaches

The CHP and PV address electricity. At about 7 million kWh a year at full load, the CHP would roughly match campus electricity: CIU's table shows 1.93 million kWh of PV as 27% of electricity in 2022, which implies about 7.1 million kWh in all. Full load is 800 kW for 8,760 hours, or 7.0 million kWh, so the figure holds only if the unit runs without a break.

CIU's own table keeps LPG at 1.84 million kWh in 2025 and a net 0.03 tonnes CO_2 per person. LPG is a direct emission (Scope 1), so the campus would not be at zero even with the CHP.

DRAFTED COMMITMENT: PROPOSAL FOR ADOPTION

CIU Carbon Neutrality Commitment

Draft text for CIU to review, built on its 2024 commitment. All dates are proposals; none has been adopted.

Commitment

Cyprus International University commits to become carbon neutral for its Scope 1 and Scope 2 greenhouse gas emissions by 2028, and to publish a Scope 3 inventory by 2028 with reduction targets from 2030. Emissions are measured under the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard, with the campus as the organisational boundary and operational control as the consolidation approach. Baseline year: 2025–26. CIU cuts emissions first; only unavoidable remaining emissions are balanced by verified removals or credits, disclosed separately.

Milestones

When	Milestone	Owner	Proof
2026–27	Build the first emissions inventory for 2025–26: LPG and fleet fuel (Scope 1); purchased electricity and heat (Scope 2). Fix the method and emission factors.	SERC; Finance and Campus Management	Inventory report
2027	Start the CHP on biogas; record hours, kWh and biogas used. Publish the first annual figures.	SERC; Campus Management	Metered output
2027	Replace LPG for hot water and cooking where possible; set a fleet electrification plan. Use the 2027 review of the building upgrade plan to add the carbon target.	Campus Management; Transportation	Plan, purchase records
2028	Scope 1 and 2 carbon neutral: remaining emissions balanced and disclosed.	Rectorate	Verified statement
2028	Scope 3 inventory: commuting, business travel, waste, purchased goods.	Sustainable Campus Center	Inventory report
2030	Scope 3 reduction target set and reviewed against the baseline; divestment from carbon-intensive energy and the 20% energy intensity target assessed.	Rectorate	Board minute

Rules of the commitment

One method. The same boundary, factors and years are used in every CIU document, starting from the 2025 baseline already named in the building upgrade plan.

DATED RECORD AND KEY FIGURES

What the record shows, with dates

Ref.	Date	Item	Reading	Source
C1	2013	Baseline year of CIU's energy table: 7.30 million kWh of energy, 0.71 tonnes net CO_2 per person.	An energy table, not a Protocol inventory	**Evidence B**
C2	2015	Solar PV project started by the Sustainable Energy Research Center.	Start of on-site generation	**CIU research centre**
C3	2019	Campus energy use 26,025 GJ for 141,260 m².	Measured energy; no emissions figure	**SDG 7 report**
C4	2022	With 1.3 MW PV: 1.93 million kWh renewable; net CO_2 0.44 tonnes per person. Shuttle plan: fleet from 21 to 25 vehicles.	Progress, in CIU's table	**Evidence B**
C5	14 Oct 2023	Sustainable Campuses workshop: CIU aims to "reduce reliance on petroleum-based fuels by investing in solar energy".	Public statement of direction	**CIU news, Oct 2023**
C6	14 Dec 2024	GreenMetric news: "significant progress has been made towards the goal of having a carbon-neutral campus".	Public statement of the goal	**CIU news, Dec 2024**
C7	2024–2025	PV output about 1.88 million kWh; CHP test of 15,289 kWh in 22 hours; biogas date moved from 2025 to 2026.	Current status	**Evidence A, page 1**
C8	End of 2025	Date by which CIU planned 100% renewable energy after the biogas project.	Passed without the plant running	**CIU SDG 7 page**
C9	2026	Stated completion of the biogas plant; approvals and permits in place. Annual energy report by building starts.	The nearest dated milestone	**Evidence A, page 1**
C10	2027	Mid-term review of the building upgrade plan; all buildings with smart or sub-meters; baseline compiled.	Proposed in the 7.2.2 plan	7.2.2 file
C11	2030	Full divestment from carbon-intensive energy; energy use per square metre down 20% on the 2025 baseline.	Divestment stated; −20% proposed	7.2.3 and 7.2.2 files

Energy and carbon pages: what each states

Every figure and statement relevant to carbon neutrality found on the linked CIU pages and PDFs.

Linked page	What it states	Bearing on the question
CIU SDG 7 page	Pledge: “Cyprus International University pledged to use 100% renewable energy sources within the Campus”; “Currently, the University generates around 30 % of its energy through renewable energy resources”; 100% “after the biogas project is completed”, “by the end of 2025”. A “Carbon Management and Reducing Carbon dioxide” section points to a PDF. Staff sit on the Joint Energy Working Group and on chamber committees.	Pledge and share. Date passed. No “carbon neutral” or “net zero” wording on the page.
SDG 7 report, 2021	Campus energy 26,025 GJ for 141,260 m² (2019). Renewable share “around 40%”. PV started 2015, five mounting types, 1.3 MW; array sizes listed (100, 100, 135 and 750 kW) add to 1,085 kW, not 1.3 MW. Stonite 200 kW rooftop PV after a load analysis. Solar thermal over 300 panels, “almost equal to 2.268 MWh”. Vision 2035: Energy event, 2019, organised by the Ministry of Economy and Energy with the World Bank and EU; representatives on the Renewable Energy Board. Green energy education for six vocational high schools. Biogas appendix is blank.	Earliest energy baseline (2019). The 40% and 30% shares differ. Adds policy role and outreach.
Climate Action Plan, 2024	Pledge and 30% share; PV 1,940,000 kWh in 2022–2023; 300+ solar thermal panels; appendices for the Joint Energy Working Group, the biogas plant (field plan) and an “Analysis of Energy and Green House Gas Emissions” (page 6, reproduced as Evidence B); Sustainable Campus Action Plan; biogas “by the end of 2025”.	Source of the only emissions table; its 2025 row is a projection.
Carbon reduction, 2024	PV 1.3 MWp (land 750, Stonite 200, carports 235, roof 100, façade 21 kW), 1,876,143 kWh in 2024–2025. 800 kW CHP, more than 7 million kWh a year if run continuously, 15,289 kWh in 22 hours; “can run any time we please”. Biogas 411 m³/h of methane, 1,169 kW electricity, 700 kW heat for external users. Approvals: Renewable Energy Department, KIB-TEK, building permits. Goal “net zero carbon campus” through its own means. No baseline year, no emissions total, no year beyond 2026.	The page most on point; it confirms there is no dated carbon target.
Low-carbon energy use, 2024	LED 100% of area; VRF and solar chimney cooling 85%; sensors 75%; shading 70%; thermal roof insulation on new buildings and over 60% of old ones (95%); natural daylighting 68%; double glazing 100%; Energy Star equipment 85%; average efficiency measure 84.75%. All roofs insulated except Teachers’ Accommodation, due end of 2025 (“Cyprus has a very hot climate”). CHP and PV text as above.	Cuts Scope 2 demand; supports the efficiency-first order of the draft commitment.
Sustainable Energy Research Center	Founded in 2009 as a “Center of Excellence”; research on photovoltaics, solar thermal, energy efficiency and management, energy policies and biogas; three-day PV Expert Certification; consultancy for the PV project of the Civil Defense Organization, for Middle East Technical University and for the Ministry of Economy and Energy. Director Prof. Dr. Serkan Abbasoğlu. The page does not mention carbon or CHP.	Shows 17 years of energy work and the unit that would own the inventory.
CIU biogas page	“CIU BIOGAS” works “in collaboration with AGO ENERGY”; manure from other Levent companies goes into methane digesters; the project “reduces the emission of toxic gases”. No capacity or dates.	Names the partner and feedstock chain; no supply agreement shown.

WHAT THE LINKED PAGES ADD, PART 2 OF 2

News, targets and climate pages: what each states

Linked page	What it states	Bearing on the question
GreenMetric news, 14 Dec 2024	CIU ranked 64th in the UI GreenMetric World University Rankings. “significant progress has been made towards the goal of having a carbon-neutral campus.” Coordinator Emre Soyer: “the 100% recycling target in water use on campus has been achieved”; similar work to continue for organic and inorganic waste. Energy is one of six categories. No figures, no emissions or biogas content.	The one public statement that names a carbon-neutral goal.
Sustainable Campuses, 14 Oct 2023	Workshop with UI GreenMetric presenting CIU’s sustainability roadmap, which began with environmental and energy work in 2009. Aims: reduce reliance on petroleum-based fuels by investing in solar energy, and increase participation of students, academics and the public. “It is important to find alternatives to use less petroleum-based fuels.” Partners named: Taşkent Nature Park, Nicosia Municipality Animal Shelter, Gönyeli Municipality.	Dated public statement of direction (fuel switching to solar).
SDG 11.4.1 targets, 2022	Free shuttle “to support public transport and reduce carbon emissions”: 21 vehicles and 10,053 departures in 2021; plan for 25 vehicles and “at least 30%” more departures in 2022. Carpooling software planned “to reduce overall petrol consumption and minimize carbon emissions”, no date. Parking: 1,128 places in 19 areas; 401 student and 360 staff stamps sold in 2021, target no more than the same. E-bike rentals: 1,136 rides in 2021. Covid-19 noted as limiting reduction of car use.	Scope 3 commuting measures and the only 2021 transport baseline.
CIU Climate Action page	Text on global warming: “emissions must already be decreasing” and “need to be cut by almost half by 2030”; “we are drastically off track”; a call for “a clear path to achieve net-zero emissions”. Lists CIU research on emissions and carbon neutrality in other countries. It does not state a CIU carbon neutral target. Hosts the plan PDFs.	Frames the 2030 horizon; no CIU target on the page.

ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

EVIDENCE A, PAGE 1

Commitment to carbon neutral university, 2025

CIU document “Commitment to carbon neutral university”: CHP, biogas, net zero statement and solar PV.

University: Cyprus International University
Country : North Cyprus- Türkiye
Web Address : www.ciu.edu.tr

[13]

[13.4.1] Commitment to carbon neutral university

Cyprus International University (CIU) is introducing a cutting-edge 800 kW Combined Heat and Power (CHP) system that has the potential to generate more than 7 million kWh of electricity per year if operated continuously, significantly reducing or completely eliminating the reliance on the national grid and lowering carbon emissions. Future integration with biogas production from campus organic waste as well as other sister companies like Taskent Tavukculuk, Levent Farms etc., will allow CIU to produce clean, circular, and locally sourced energy, transforming waste into power and positioning the university as a true energy-generating Living Lab. While several leading institutions globally such as University of California, Davis, University of British Columbia, and Ghent University, operate on-campus biogas facilities, CIU will become the first in its region to implement a CHP system directly connected to sustainability education, student research, and operational energy resilience. This innovation marks a major step toward CIU’s vision of becoming a near-zero energy campus, empowering students to study, test, and optimize campus infrastructure while actively participating in climate action.

This year, as the biogas plant is not fully built, the CHP was run as a test and fed into the grid. Over a 22-hour period, the CHP produced a total of **15289 kWh** of energy. At this magnitude, when the biogas plant fully finishes the construction, CIU will be completely net zero carbon campus through its own means. The energy produced is constant.

The Biogas Project was planned to finish by 2025, however due to governmental approvals, this date was pushed to 2026. However, all the approvals from Renewable Energy Department and KIBTEK were gathered, and the building permits completed, therefore the CHP can run any time we please.

The **Solar PV Project** at Cyprus International University was initiated in **2015** by the Sustainable Energy Research Center (SERC) and stands out as a pioneering renewable energy initiative in the higher education sector. The system integrates five different photovoltaic mounting technologies, including installations on flat roofs, inclined roofs, ground-mounted arrays, façade-integrated panels (BIPV on the ST Building), and solar carports, making it one of the most diverse university solar applications in the region. With a total installed capacity of 1.3 MWp, it is also recognized as one of the largest university-based solar power systems. During **the 2024**–2025 academic year alone, the system generated approximately 1,876,143 kWh of clean electricity, significantly reducing the campus’s carbon footprint and contributing to CIU’s transition toward a sustainable and energy-resilient future.

CIU commitment to carbon neutral university, 2024, page 1 of 16.

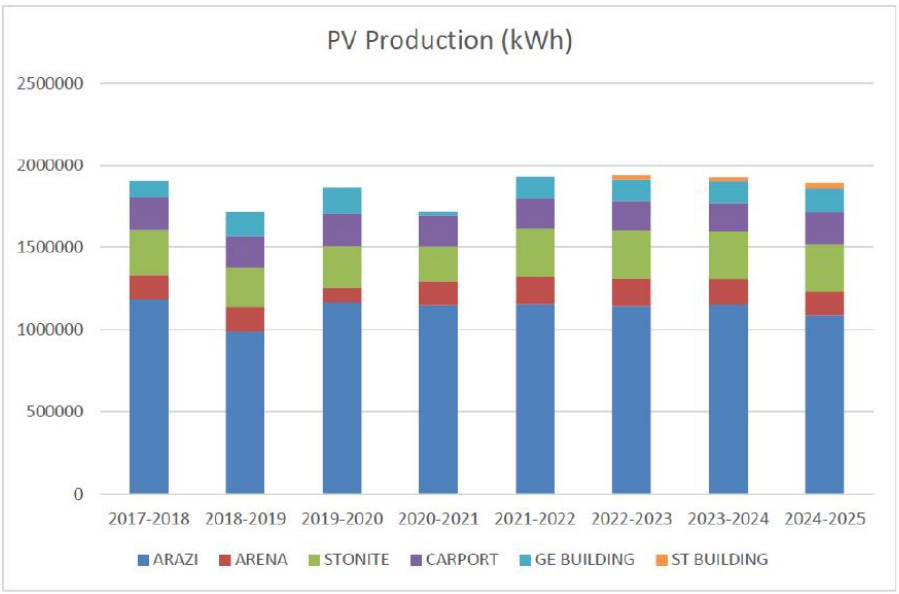
ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

EVIDENCE A, PAGE 2

Solar PV output, 2017–18 to 2024–25

The façade installation and the annual PV production chart by site.

Facade		**21 kW**



CIU commitment to carbon neutral university, 2024, page 3 of 16.

ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

EVIDENCE A, PAGE 3

Greenhouse gas emission reduction programme

The water recycling statement and the six emission reduction measures.



Water Recycling Program has a capacity of 1300 tons per day

Greenhouse gas emission reduction program

1. Parking is charged for both staff and students in the campus to reduce CO2 emissions. Car parking areas are designated into different zones where it's separated into 4 parts. Rectorate, Staff, Students and Visitors. Visitors' areas are free whereas the rest of them need to purchase tickets to further limit car usage. The free areas are located further out of the campus to promote physical activity and health.
2. Using renewable energy sources for electricity to minimise the electricity intake from the grid.
3. Free Bicycle Sharing on Campus. Additionally, a bicycle rent point is also available. Electric bicycles are provided for the administration team that travels across the campus to increase efficiency.
4. Free Shuttle buses to the City Centre, Famagusta and Kyrenia cities for students to encourage public transportation rather than private vehicles.
5. Every 2 years an old building located in the campus is renovated with sustainability and energy saving applications. When new ones are built, they follow the same path as the buildings that are renovated.
6. To encourage electric car usage, charging points in the campus are provided for free and they are linked directly to the PV Panels, making car charging renewable.

CIU commitment to carbon neutral university, 2025, page 5 of 16.

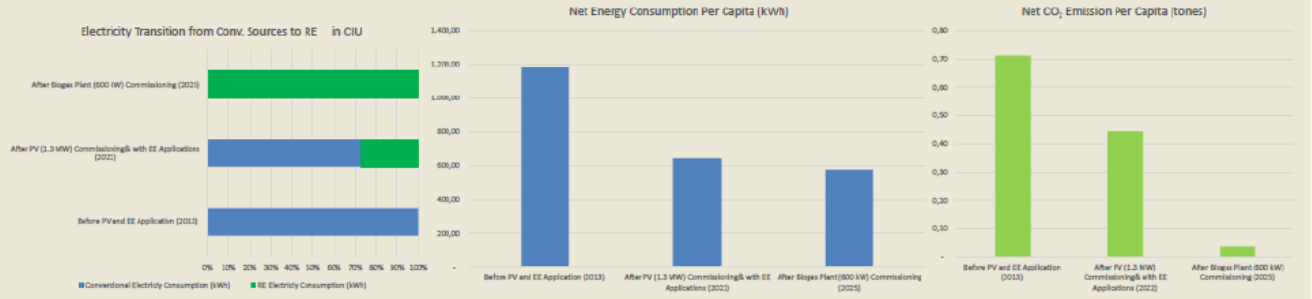
ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

EVIDENCE B

Analysis of energy and greenhouse gas emissions

Table from CIU's Climate Action Plan 2024: energy use and net CO_2 per person in 2013, 2022 and 2025 (the 2025 row is a projection).

Status	Year	Conventional Electricity Consumption (kWh)	RE Electricity Consumption (kWh)	Total Electricity Consumption (kWh)	LPG Consumption (kWh)	Total Energy Consumption (kWh)	Total Energy Consumption Per Area (kWh/m²)	Net Energy Consumption Per Capita (kWh)	Net CO_2 Emission Per Capita (tones)
Before PV and EE Application (2013)	2013	4,485,574.00	-	4,485,574.00	2,814,613.50	7,300,187.50	73.16	1,178.40	0.71
After PV (1.3 MW) Commissioning& with EE Applications (2022)	2022	5,148,520.00	1,929,789.00	7,078,309.00	2,040,982.00	9,119,101.00	59.48	639.94	0.44
After Biogas Plant (600 kW) Commissioning (2025)	2025	-	6,521,789.00	6,370,478.10	1,836,793.80	8,207,271.90	53.53	575.95	0.03



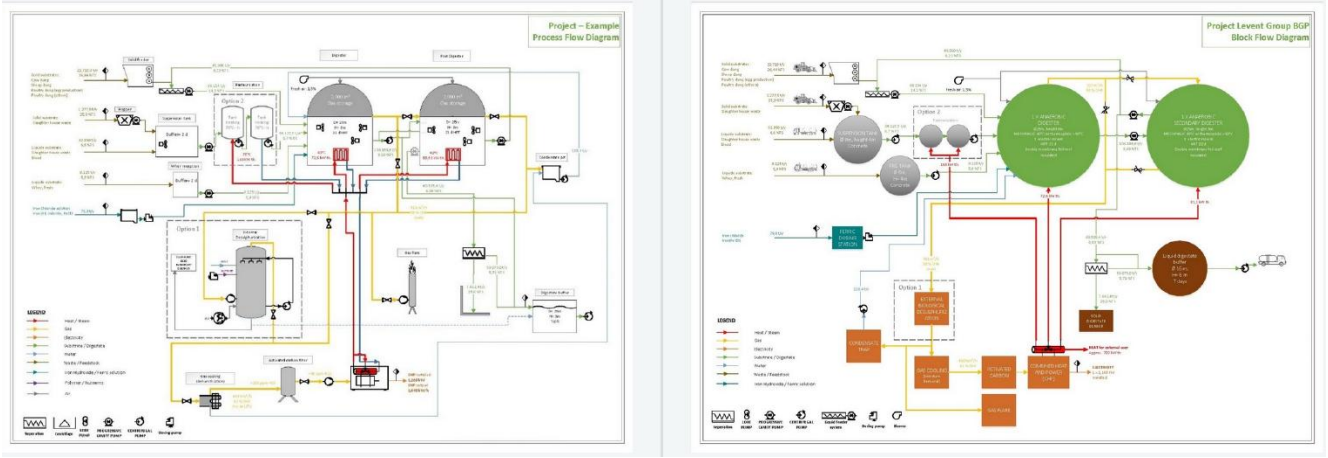
CIU Climate Action Plan, 2024, page 6.

ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

EVIDENCE C

Biogas and CHP project: process diagrams

From the CIU 7.2.3 fact file, Appendix 3a: the project description is on page 4. The left diagram is headed “Project – Example”; the right “Project Levent Group BGP”.



Left: process flow diagram. Right: biogas block flow diagram. CIU fact file 7.2.3, Appendix 3a.

ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

EVIDENCE D

Solar PV: the six installations

Photographs of the six installations of the 1.3 MWp PV system, with the evidence note on the project start in 2015.



S1 • Arena Carport • 100 kW



S2 • Roof • 100 kW



S3 • ST Carport • 135 kW



S4 • Land • 750 kW



S5 • Stonite • 200 kW



S6 • Façade (ST Building) • 21 kW

Evidence note

The Solar PV Project at CIU was initiated in 2015 by the Sustainable Energy Research Center (SERC). It combines five mounting technologies: flat roofs, inclined roofs, ground-mounted arrays, façade-integrated panels (BIPV on the ST Building) and solar carports. Total installed capacity: 1.3 MWp.

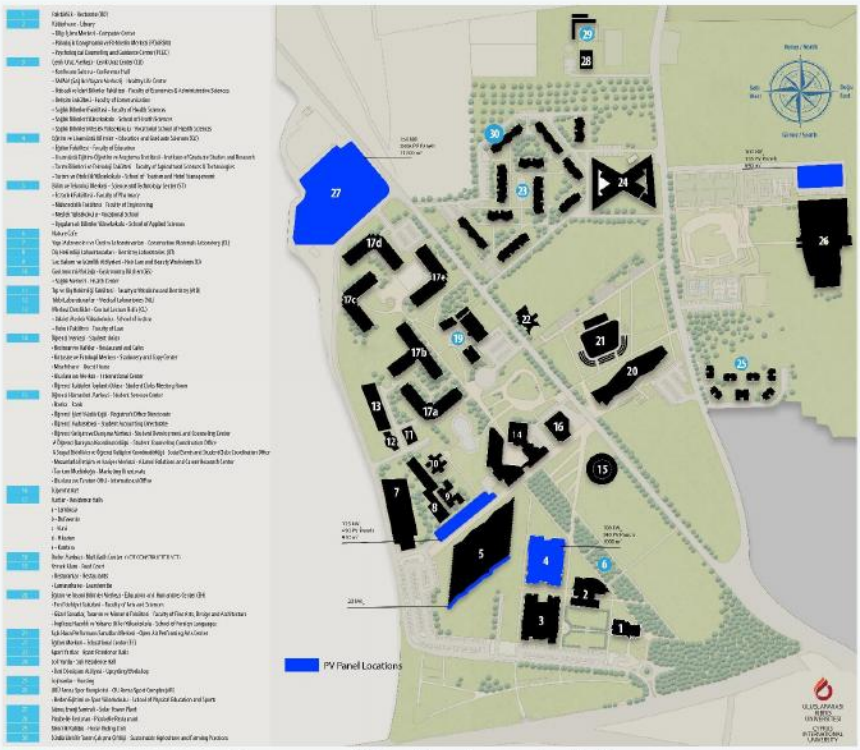
CIU 7.2.3 fact file, Appendix 1a.

ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

EVIDENCE E

Solar PV: location on campus

Campus map with the PV panel locations marked in blue.



Campus map: PV panel locations marked in blue

Evidence note

Campus map showing the locations of the PV installations (blue).

CIU 7.2.3 fact file, Appendix 1c.

ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

EVIDENCE F

Solar thermal panels in the residential zones

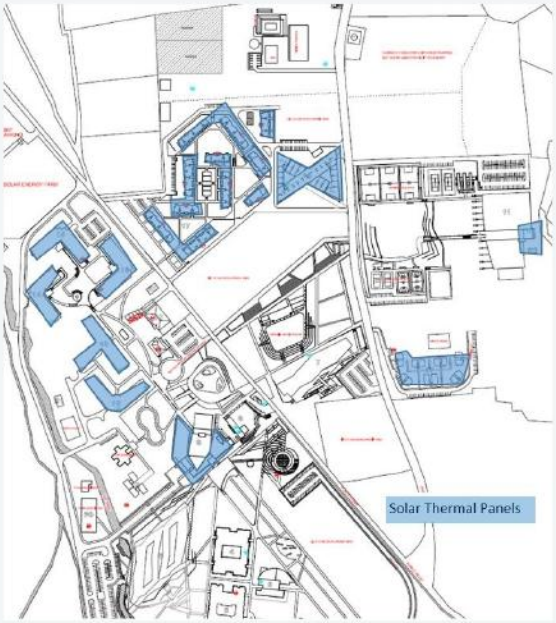
Photograph of the panels and the site map. CIU reports an energy yield of about 2,268 MWh a year.

Description

All residential zones of the CIU campus use more than 300 solar thermal panels for the hot water system. CIU reports that the energy they supply is almost equal to 2,268 MWh a year.



Solar thermal panels



Map of the solar thermal panel locations

Evidence note

Photograph of the solar thermal panels and site map showing their locations in the residential zones.

CIU 7.2.3 fact file, Appendix 2.

EVIDENCE G

CHP plant: photographs of the installed unit

The 800 kW combined heat and power plant installed for the biogas project: pipework and heat exchanger, container interior, equipment and engine.



CHP plant pipework and heat exchanger



CHP plant container interior



CHP plant equipment



CHP engine

Evidence note

Photographs of the 800 kW CHP plant installed at CIU for the biogas project.

CIU 7.2.3 fact file, Appendix 3c.

EVIDENCE H

Biogas plant: digester under construction

Digester structure, reinforcement and foundation, and concrete pouring for the digester base.



Digester structure under construction



Digester reinforcement and foundation



CIU 7.2.3 fact file, Appendix 3b, sheet 1.

EVIDENCE I

Biogas plant: further construction photographs

Further photographs of the biogas infrastructure construction.



CIU 7.2.3 fact file, Appendix 3b, sheet 2.

EVIDENCE J

Solar PV capacity by installation

Arena Carport 100 kW, Roof 100 kW, ST Carport 135 kW, Land 750 kW and Stonite 200 kW, from the supplied commitment document.

Arena Carport		100 kW
Roof		100 kW
ST Carport		135 kW
Land		750 kW
Stonite		200 kW

CIU commitment to carbon neutral university, 2024, page 2 of 16.

EVIDENCE K

Weather station and water recycling

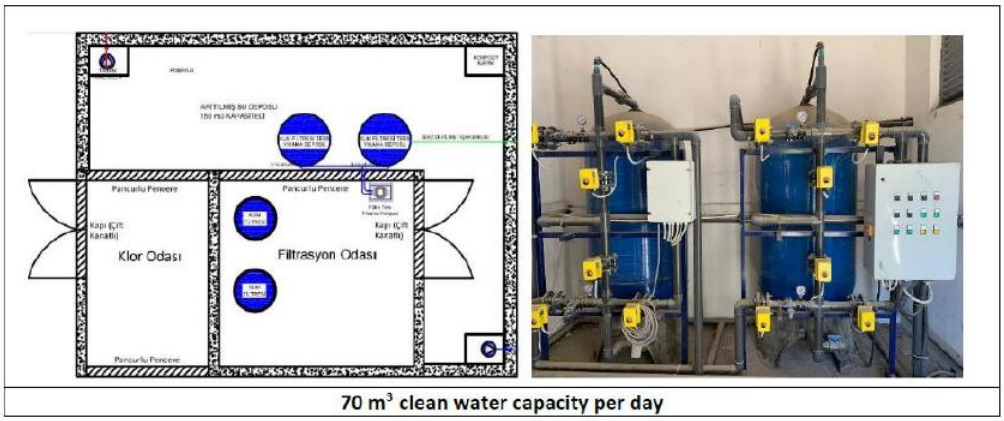
The wind and weather station used to track solar panels, and the water recycling plant, 1,300 tons a day, all water recycled to irrigation.

Wind and Weather station allows us to track for solar panels and future implementations.



Water Recycling Program Implementation

CIU Water Treatment System is treating all campus used water with the capacity of 1,300 tons per day. This water is mostly used for irrigation. The process is controlled by CIU maintenance team. All the buildings in the campus are connected to the drainage system that is connected directly to the water recycling centre. 100% all water from any part of the buildings is recycled to be then used in irrigation.



70 m^3 clean water capacity per day

CIU commitment to carbon neutral university, 2024, page 4 of 16.

ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

EVIDENCE L

Emission reduction measures in photographs

Limited parking and zones, renewable energy, free bicycles, free shuttle buses, smart building and free electric car charger, with the start of the recycling programme text.

<table>
<tr><td>
</td><td></td></tr>
<tr><td>1. Limited Parking & Designated Zones</td><td>2. Renewable Energy</td></tr>
<tr><td></td><td></td></tr>
<tr><td>3. Free Bicycle</td><td>4. Free Shuttle Bus</td></tr>
<tr><td></td><td></td></tr>
<tr><td>5. Smart Building</td><td>6. Free Electric Car Charger</td></tr>
</table>

Recycling Program for University Wastes

There is no particular regulation for the waste management prepared by the TRNC government, but municipalities and educational institutes such as universities are trying to create programs to take care of waste. Owing to this, CIU is the leading institute to carry out programs on recycling and managing waste inside the campus.

Cyprus International University uses Dual stream recycling plan to collect separate, and send recyclable waste to local recycling companies.
The recyclables are sorted as 3 categories which are: Category 1: paper/cardboard, Category 2: electric waste and Category 3: metals/glass/plastic/battery/toxic/organic

CIU commitment to carbon neutral university, 2025, page 6 of 16.