



Evidence for THE Impact Rankings Questionnaire

University : Cyprus International University
Country : North Cyprus- Turkey Web

Address : <u>www.ciu.edu.tr</u>

[7]

[7.4.3]

100% Renewable Energy Pledge:

Cyprus International University recognizes that its activities significantly impact the environment locally and globally. Thus, the university has representatives in energy-related organizations like the TRNC- Joint Energy Working Group. It actively promotes 100% renewable energy through its meetings (See Appendix 1) and targets 100% renewable energy. Currently, the University generates around 30 % of its energy through renewable energy resources and plans to increase It to 100% after the biogas project is completed (See Appendix. 2) by the end of 2025. The Cyprus International University pledged to use 100% renewable energy sources within the Campus. Current renewable sources on campus are summarized below:





Renewable Energy Sources on Campus:

This Project was commenced in 2015 by CIU SERC. It is a unique solar energy project due to applying five different mounting types: on a level roof, an inclined roof, on terrain, on a façade, and carports. With its 1.3 MW peak capacity, it is also the largest such project in a university in the region.







Cyprus International University Campus: PV Power Plant Project

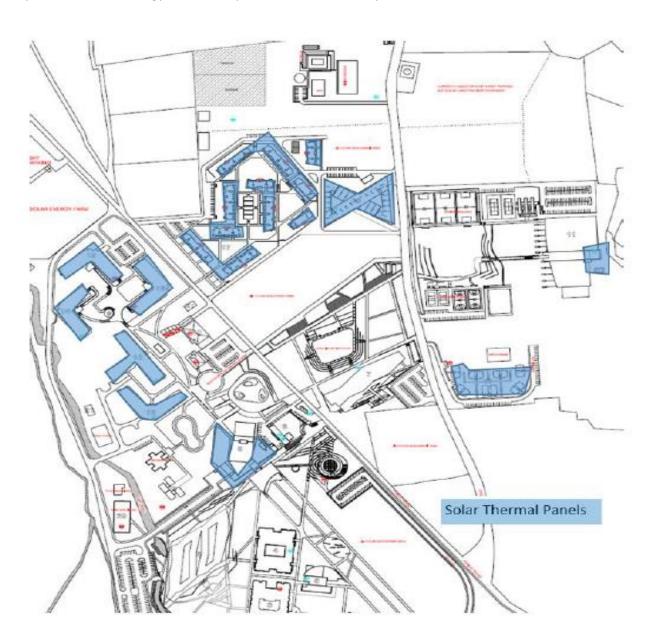






Solar Thermal Panels on Campus:

All the residential zones of the CIU campus use more than 300 solar thermal panels for hot water systems, and this energy is almost equal to 2.268 MWh in a year.







Appendix 2: Joint Energy Working Group (OEÇG)

Başkan veya üyelerden birinin talebi tereine Bakanının onayı alınarak ugrasa veya akadomiryeniar toplantılıra davet edilebilirler.

TO VERKED ENERGI PROTOKOLÜ ORTAK ENERJÍ CALISMA GRUBU'NUN TESUSIOLÉ VE GÓREVLERÍ

AMAC

TASLEK

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DAYANAK

Middle 2

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OBTAK EMERLÍ CALIŞMA CERCIRI YAPISI VE TOPLANMASI

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EKTC'nda GEÇG'nin EŞ Başkarı Eneşî işlerinder sonunla Hakiseliğin

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- 6- KKTC ODTÖ Tenelkiri
- 7- Uceanitr (2)
- S-Subretarya (2)

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3-....(30) TOPLANTI SEKUL

EXECTÓN OBÇO ayda en ac bit defa Başlacan belirlediği yer ve taribe nışların: Hen bil ülbe OBÇO Ahi ayda bir cenak nışların yaparlar. Pakat herhangi bir başkanın saleki üzerler çalışma gunden akı aydan Besede

Her iki 18te enerji bikanları genikli göverleri darumunda OSQG teplentlarını katıla ve başkanlık eder.

SEKRETARYA VE GÖREVLERÎ

OECC'nin sekretarya historikai KETC Encrji İşkrinden serumlu Bakardık terafından yörötülür. Sekretaya aşağıda yer alaz görenleri yerine

- OECG toplastilarum düzenlermeri ve doretlerin yaşılmısı.
- OECG Toplants tutassidanses tutokuss.
- OECC kareferen uygulannasını takip edilmeti ve tyelerin bilgilendirilmesi.
- OECQ faslivetleri ile ileili voesenaların yapılması. İşlivne raporlarının hazırlararak Beksirliği sürelmik.

OEÇG'NÎN GÖREV VE SORUMLULUKLARI

OEÇG, Protokolda belirlenen findiyeder tarsamlanıncaya kadar, aşağıda yer alan görevleri yerine getirir.

- s) Euroji pretokoliteks 3. maddaslada balitikan işbirliği alasları ile Italii program ve projeterin belidenmok.
- b) Eastji protokolünde yer alan diğer hedellerin gesçekleştirilmesine yöselik koordinasyeeun sagianmak.
- a) Eastji saktöräna Tipkin racvosat düzenlemelerine göröş verilmesi ve tilke uygalamalarının gözden geçirilerek nyumlaphrelmannan yitas lik ustak pahamalaran yörikimek.

- d) Teroflaren ilgili ulusal mevzuatlarına uvgun sokilde, yenilerebilir enerii kuwaklorum kullumimen, petrol ve dojalgaz kayraklarum keşfedilmesi ve işletilmesi komusunda ortak projularin geliştirilmeri ve bu hususlarda eğitim programlarının düzenlermesi ile bilgi, teoriibe ve uzmanlık değişimi sağlamak.
- e) Taroffur arasında elektrik altyapısının tosisi, işlirilmesi, sehabilitasyonu ve elektrik iletimi alunında ortak projekrin tespiti ve gelipticilmesine yönelik çalışmalar yapımak.
- f) Türkiye Cumhuriyeti ile Kuzuy Kıbrıs Türk Cumhuriyeti arasında. deniz gaşişi ile elektrik arz gilvenliğini zağlarsak ve enerji ogsifffi@ ve okonornik enerji kaynaklarma alagam sağlamak maksadıyla enterkomanikin sistem kurulman için çoluysuları yapraak.
- g) Petrol ve doğulgaz altyapılarının tesisi ve balonu, petrol Gervlerinin pazarlannusu abadarında projelerin belirlenmesi ve geliştirilmesi.
- h) Kuzzey Kıbens Türk Cumhuriyeti'nde yenilenebilir enerji projelerinin geliştirmek.
- i) Enziji alaza ile ilgili semiserler, konforanslar ve toplantıların
- j) Kuzzy Kıbrıs Türk Cumhuriyeti'nde enerji ile ilgili kurumsul yapılarınanın başta Enerji dairesi kurulması ve enerji piyasa düzenlermesi için bir oluşunsu gerçekleştirilmesi için yasa tasansı hazarla mak.
- k) Ekonomi ve Emerji Bakanlığında Akaryakı: birimi Labörstavannın geliştirilmesi için çalışmalar yapmak.
- l) Eneji soktörü hedeflerinin idenmesi ve Sekretarya tarafından hazırlanan gelişim raporlarının değerlendirilmek.

m)İşbu protokolün uygulanmasına ilişkin ilorlemelerin gözden geçirilmesi, raporlanması ve Program veya projelerin doğerlendirilmesi, sonuç ve tavaiyeleri rapor olarak taraflara

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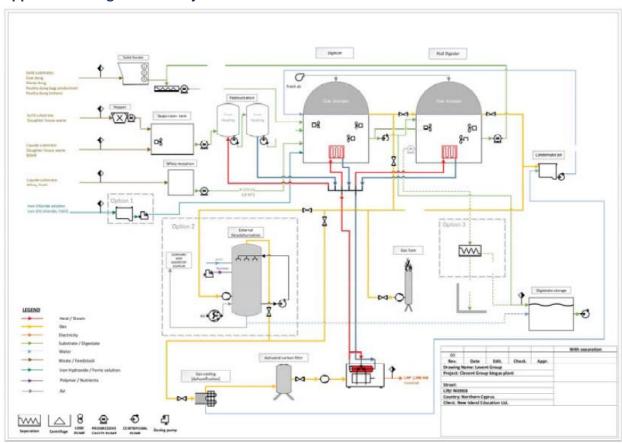
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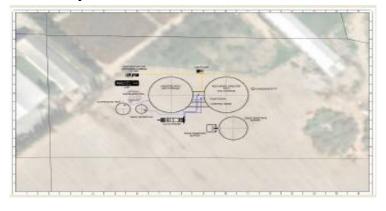




Appendix 2: Biogas Plant Project



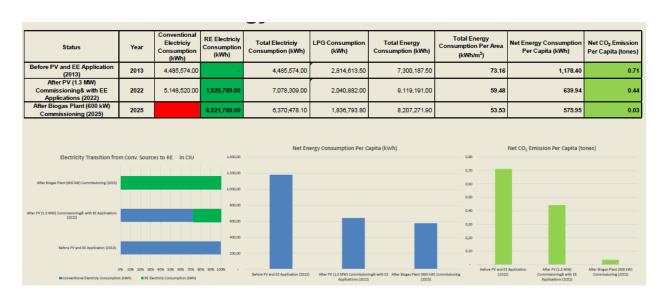
Field Plan for Biogas Plant Project







Analysis of Energy and Green House Gas Emissions of Cyprus International University



Sustainable Campus Action Plan

Sustainable Campus												
Work Package	Responsible Person	Supportive Staff/Groups	Admin	T	2022				21	023		
General Topics	responsible reison	Supportive Stair/Gloups	Aviiiii			Dec. Jan	Feb.	Mar. A			ul. Aug.	Sep. Oct.
1. Report:					\equiv		_		\equiv			
a. Vision b. Mission	1			Н			\vdash	\dashv	+	++	+	
c. Goal	Majid Hashemipour, Serkan Abbasoğlu, Mete Boyacı									ш		
e. Objectives f. Strategy				\vdash	_	_		\dashv	+	++	-	
Determine the key areas, measure the performance and compare it over time across other variables				H			-					
such as (a) building area m2; (b) no. of student/staff;				\vdash					—		_	
a. Energy i. EE application				Н	\rightarrow		H	\dashv	+	+		
ii. Use of LED lighting									工	口		
iii. Insulation b. Water Consumption	-			\vdash	\dashv			\dashv	+	++	_	
c. Waste disposal: decrease the amount				\Box	\neg				\pm	\pm		
d. Transportation: Private vehicular transport & Shuttle Service	Emre Soyer & Hande Çiçek				=				_	\blacksquare		
e. Education: No. of courses related to sustainability f. No. of staff/students/visitors attend to green activities				H	\rightarrow		H		_	++		
g. No. of green activities			Serkan Abbasoğlu & Majid Hashemipour	Ш								
h. % of campus covered in vegetation i. No. of projects/partnerships with local authorities and community groups	-			Н	\rightarrow	_	\vdash	_	_	++	_	-
 Greenhouse gas emitted (kg CO2 equivalent staff/student FTE) due to electricity, heat, transporta 												
k. No. (length) of bicycle rack and/or bike stations	1				=				_			
I. No. of EV chargers 3. Application to Associations related to Sustainability:				\vdash					_			
SDGA (International Sustainable Development Goals Accord for Universities)	1				\Box				ユ	\Box		
b. Foundation for Environmental Education (FEE) to receive Green Flag	Emre Soyer & Hande Çiçek			H	J	F	Н		丰	H		H
c. ULFS (University Leaders for a Sustainable Future) d. GUPES (Global Universities Partnership on Environment and Sustainability)				\vdash	\dashv	+	H		+	+	+	\vdash
e. AASHE (Association for the Advancement of Sustainability in Higher Education)	1				I		Ш		工	\blacksquare		
Centers of Excellence: Energy & Environment programs at 2009 Sustainable Innovation Center	Serkan Abbasoğlu & Rana Kıdak Omid Kalantarmotamed & Roya			\vdash	\dashv	+	\vdash	\dashv		++	+	\vdash
6. Promotion of Green Activities on the boards	Oniu kalantamotameu & Roya											
a. Mitigation CO2 emissions due to PV systems	Mustafa Çağataylı				=							
b. Reduce in Plastic bottle use c. Green Events				\vdash	\dashv	_	\vdash	\dashv	_		_	
Education				世								
Increase the no. of compulsory and elective courses	Banu Numan Uyal		Mehmet Toycan	Ш	\rightarrow	_	\vdash	\rightarrow	+	\vdash		
Increase the no. of publications related to Sustainability Infrastructure				+			\perp	_	—			
Green or Sustainable Procurement Policy	Purchase Department (Doğa Kavaz)				=				工	\Box		
2. Decrease the consumption of copy papers by improving electronic services;	Computer Center (Mustafa Çağataylı) &		Majid Hashemipour & Erbuğ Çelebi	Н	\rightarrow				_	+		
a. Use of CIU mobile application/web site for announcements	Webmaster (Çiğdem Çiçek)		,	Ш								
b. Electronic boards (TVs) c. Controlled Printer service	Computer Center (Mustafa Çağataylı)			Ш	\rightarrow	_	\vdash	\rightarrow	+	-	_	
Transportation & Parking				+				_	—			
Increase the physical activity in the campus									工			
a. Bike stations b. Bicycle racks	Ahmet Esnaf			\vdash	\dashv	_		\dashv	+	+		
c. Walk way		Students for Sustainable Campus							土			
Meet the criteria for a Bicycle Friendly University Manage parking demand to address long-term growth with smart parking systems and improved w	Hande Çiçek	Campus Management	Majid Hashemipor & Serkan Abbasoğlu	Ш	\rightarrow	_		-	+	\vdash		
Manage parking demand to address long-term growth with smart parking systems and improved w Increase passenger trips on University shuttle buses	Ahmet Esnaf	3. Sustainable Energy Research Center		\vdash	_			\dashv	+	+-		
5. Use some EVs	Meliz Hastunç				=				工	\Box		
Car sharing/pooling Maximize car-pooling	Hande Çiçek			Н	\rightarrow	_	\vdash	\dashv	+	+		
7. Reduce 'single user' car journeys	Tunde yişek								土			
Energy & Water				\Box	_						_	
Sub-meter and smart-meter buildings, in order to track energy consumption, manage for maximum Connect all buildings to central monitoring and control system	1			Н	\rightarrow			\dashv	+			
3. Design, construct and renovate greener buildings on campus that operate more efficiently, use less		Project & Technical Affairs Campus Management Sustainable Energy Research Center Students for Sustainable Campus S. Engineering Students 6. Academic Staff 7. Sustainable Innovation Center	Serkan Abbasoğlu & Majid Hashemipour									
Start with Education and Humanities Center where a report is already prepared Apply Heat Insulation to all Buildings in the Campus				Н	\rightarrow	_	\vdash	\dashv	_	4		-
a. Total area should be determined and evaluated				H	\rightarrow		H		+	1		
5. Invest more feasible HVAC system, such as VRV, to all buildings.	Emre Soyer				=				\blacksquare	\Box		
Cevik Uraz and STB are designed with VRV systems Arts and Social Sciences. Education and Humanities. Rector's Office and Library should be studied.				Н	\rightarrow	_	\vdash	\dashv	+		-	
6. In addition to Çevik Uraz and STB, full automation system that controls HVAC, lightingetc. should be									工			
Establish appropriate energy use intensity targets for all building types Establish appropriate water consumption targets for all building types				\vdash		_	\vdash	-	+	₩		\vdash
Meter all buildings, track water consumption & Detect and repair all system leaks				\vdash	\dashv		H	\neg	+	+		
10. Upgrade to ultra low-flow fixtures in all existing buildings					=				\blacksquare	\blacksquare		
Engage student and faculty further in water conservation practices Strategize and implement a campus lighting plan to address safety, energy use, and aesthetics	Hande Çiçek Mehmet Şenol			Н	\rightarrow			-	+	++		
13. Install a RO water treatment device to Nature Café and use glass bottle at water dispenser									土	世		
14. Think on installation of public dispensers in Faculty Buildings	Emre Soyer			Н	\rightarrow	_	\vdash	\rightarrow	+	++		
15. Design new buildings to achieve LEED or BREED certification using the appropriate LEED rating system Environment & Agriculture & Food				+			ш		—			
1. Recycle and Re-use of food wastes	Emre Sover											
2. Install green roofs to the roof of Rectorate Building	Line Joyer			Ш	\rightarrow			_	_	\vdash		
Undertake tree planting of native species in addition to international species Plant a tree for each quest and share certificate as a gift	İbrahim Baktır			\vdash	\dashv	_	\vdash	\dashv	+	+	+	
b. Arboriculture: start around sewage treatment plant	Ibrahim Baktir				=				ᆂ			
c. A report is prepared by Faculty of Agriculture 4. Decrease waste disposal	_	Students for Sustainable Campus		H	\dashv	+	H	+	+	+	+	
a. Develop and deliver a program of waste audits across campus to ensure (a) appropriate labelling (b)	Emre Soyer	2. Academic Staff	Majid Hashemipour		J	士	Ħ	⇉	士	Ħ	ᆂ	
5. Stop use of plastic bottles/cups	Emre Soyer	Sustainable Innovation Center 4. Campus Management	wajiu nastietiipuur	\Box	J		H	\dashv	\bot	+		
a. Initially at Palm Inn, Lake view and Rector's office b. At Canteens and Cafes	Emre Soyer	4. Campus Management		H	\dashv	+	H	\dashv	+	+		
3. Promote the consumption of healthier and more sustainable food in Campus					コ		Ħ	コ	工	\Box		
a. Salad day	1			\square	J		H	4	+	+		
			ı	-			+	\rightarrow	-	+	-	
b. Fruit day	Esat Kastanbolulu			1		!	_ '	!		\perp		
	Esat Kastanbolulu			Ħ	\exists			_	\pm	Ħ		