

IICEC–SABANCI UNIVERSITY TIMES ENERGY MODEL

Overview

IICEC-SABANCI UNIVERSITY TIMES ENERGY MODEL: OVERVIEW

SABANCI UNIVERSITY & ISTANBUL INTERNATIONAL CENTER FOR ENERGY AND
CLIMATE (IICEC)



IICEC

SABANCI UNIVERSITY
ISTANBUL INTERNATIONAL
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Acronyms

ABMS Agent-based modeling and simulation.	FSPP Floating solar power plant.
AFA Availability factor.	GHG Greenhouse Gas.
Bbl Barrel of oil.	GPP Geothermal power plant.
BEV Battery Electric Vehicle.	GTAP Global trade analysis project.
BPkm Billions passengers-kilometres.	GW Gigawatt.
	GWh Gigawatt-hour.
CARMA Carbon monitoring for action.	HEPP Hydroelectric power plant.
CCT Carbon capturing technology.	ICE Internal combustion engine.
CCUS Carbon capture, utilization, and storage.	ICH Decommissioning account.
CSP Concentrated solar power plant.	IEA International energy agency.
CV Calorific value.	ISTEM IICEC-Sabancı university TIMES energy model.
	km kilometer.
	kt kilotonne.
EIE Electric affaires research administration.	KTOE Kilotonne of oil equivalent.
EPDK Energy market regulatory authority.	Mb Million barrels.
ETC Evacuated tube collector.	MCP Market cleared price.
EUAŞ Electricity generation company.	MENR Ministry of energy & natural resources.
eVMT electric vehicle miles traveled.	MHI Mitsubishi heavy industries.
	MTA Raw material & exploration.
FBC Fluidised bed combustion.	NREAP National renewable energy action plan.
FIT feed-in tariff.	
FIXOM Fixed operation & maintenance cost.	OECD The organisation for economic co-operation & development.
FPC Flat-plate solar collector.	

PCC Pulverised coal combustion.	TETAŞ Turkish electricity trade and contract corporation.
PJ Petajoule.	
PV Photovoltaic.	
RES Reference Energy System.	URAH National radioactive waste account.
ROR Run-of-River.	URI Uranium resources inc.
	US United states of America.
SNPTC State nuclear power technology corporation.	USD United states dollar.
SOCAR State oil company of Azerbaijan republic.	VAROM Variable operation & maintenance cost.
SPP Solar power plant.	
TAEK Turkish atomic energy authority.	WPP Wind power plant.
TEİAŞ Turkish electricity transmission company.	YEKDEM Renewable energy resources support mechanism.

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About IICEC

Working with governments, partners from industry, international organizations, think-tanks and other research bodies, establishing a network of cooperation with other universities in the region and in the world; IICEC aims to inform policymakers, industry, academics and opinion leaders on key energy challenges and provide them with objective and genuine analysis. We foster the exchange and development of ideas by providing a distinguished platform gathering key stakeholders involved in energy and climate fields.

The decision to form the Istanbul International Centre for Energy and Climate was motivated by the growing role of Turkey in the international energy landscape and the strategic position of Istanbul, where Europe and Asia meets. The Center, at Sabancı University Karaköy Minerva Palace in Istanbul, is located at the crossroads of almost all current and emerging energy players, both on the producing and consuming sides of global energy markets. Utilizing this strategic position, IICEC will serve to fill the need for an international approach with international resources to the future of energy and climate topics, as a globally recognized networking center.

About Sabancı University

With science, technology, and social structures advancing day by day, the world needs more qualified individuals who possess the knowledge and skills required to pursue a career anywhere in the world. Aware of this pressing issue, in 1994 the Sabancı Group decided to establish a "world university" led by the Sabancı Foundation. The seeds of Sabancı University, the Sabancı Group's most comprehensive social responsibility project in the field of education, were sown in the summer of 1995, at a search conference in which 50 academics from 22 countries as well as students and representatives from the private sector participated. The conference, however, was just the beginning, as it marked the start of an extensive process during which the leading educational institutions in Turkey and across the world were examined to find out how they work and identify the fundamentals that made them successful.

In the end, instead of choosing one university as a template or replicating existing examples and institutions, a new and unique university was designed. Since 1999, when students began enrolling, Sabancı University itself has set an example for many universities.

