

IEA Energy Statistics Course

October 27th- 30th, 2025

Agenda

Day 1

Chair: To be determined

Time	Content	
Introduction to Energy Statistics		
12:00 – 12:10	Welcome from the IEA	TBD
12:10 – 12:35	Introduction to Energy Statistics	TBD
12:35 – 12:50	Q&A	
5-minute break		

Renewables Module

12:55 – 13:20	Renewables <i>This session gives an overview of the latest trends in renewable sources of energy. The four classifications of renewable and waste sources will be explained, including a focus on different types of solid biofuels. Participants will learn about the different aspects of creating a renewable balance, and how to report data in the joint annual renewables and waste questionnaire.</i>	TBD
13:20 – 13:35	Q&A	
15-minute break		
13:50 – 14:35	Dedicated exercise session	TBD
15-minute break		

Introduction to Hydrogen Data Collection Module

14:50 – 15:15	Introduction to Hydrogen Data Collection <i>Given the increasing importance that Hydrogen is making within the energy domain, this short introductory session will explain some of the key concepts and data flows that countries should seek to collect to help produce a hydrogen balance. Links to ammonia and e-fuels will also be discussed.</i>	TBD
15:15 – 15:30	Q&A	

Day 2

Time	Content	
Natural Gas Module		
12:00 – 12:20	Natural Gas <i>This session gives an overview of the recent trends in gas production and consumption in the energy mix, key concepts in gas statistics and fundamental guidance on reporting data into the joint annual gas questionnaire. Participants will learn about the gas supply chain and commodity flow, taking into account the special considerations for reporting trade, for example.</i>	TBD
12:20 – 12:35	Q&A	
15-minute break		
12:50 – 13:35	Dedicated exercise session	TBD
15-minute break		

Oil Module		
13:50 – 14:10	Oil <i>This session gives an overview of the recent trends in oil supply and demand, key concepts in oil statistics and fundamental guidance on reporting data into the joint annual oil questionnaire. Participants will learn the characteristics that define oil and follow the various elements in the supply chain, from oil production to final consumption, that comprise the oil balance.</i>	TBD
14:10 – 14:25	Q&A	
15-minute break		
14:40 – 15:30	Dedicated exercise session	TBD

Day 3

Time	Content	
Coal Module		
12:00 – 12:20	Coal <i>This session gives an overview of the recent trends in world coal production, consumption, and trade, including its role in electricity generation; there is also key guidance on how to report data in the joint annual coal questionnaire. Participants will learn about coal classifications, and how to create a coal balance.</i>	TBD
12:20 – 12:35	Q&A	
15-minute break		
12:50 – 13:35	Dedicated exercise session	TBD
15-minute break		

Electricity Module		
13:50 – 14:10	Electricity <i>This session gives an overview of the latest trends in world electricity generation and consumption. The distinction between primary and secondary electricity sources, as well as between main activity and auto producer plans will be explained, as will the unique way of classifying electricity trade data. Guidance will also be given on how to check generation efficiencies, and report the data in the joint annual electricity and heat questionnaire.</i>	TBD
14:10 – 14:25	Q&A	
15-minute break		
14:40 – 15:30	Dedicated exercise session	TBD

Day 4

Time	Content	
Energy Demand and End-Use Data Module		
12:00 – 12:20	Energy Demand and End-Use Data <i>The session will describe the key data needed for a good representation of the demand-side of the energy system, including: power and transformation, industry, transport, buildings and other sectors – typically requiring dedicated data collection at national level. Demand-side data are key to the design of a complete and accurate energy balance. The session will also show the benefits of collecting detailed end-use data for each sector, as a preliminary step to developing efficiency indicators to inform and monitor sectoral policies.</i>	TBD
12:20 – 12:40	Q&A	

Energy Balances Module		
12:40 – 13:00	Energy Balances <i>The session will explain the definitions, concepts and conventions underlying the building of a national energy balance. It will show how an energy balance is also the starting point for the construction of various indicators such as energy intensity, energy consumption per capita, of for early estimations of CO2 emissions from fuel combustion. The session combines presentation and hands-on exercises, including featuring the IEA balance builder.</i>	TBD
13:00 – 13:20	Q&A	
10-minute break		
13:30 – 14:15	Dedicated exercise session	TBD
5-minute break		

Emissions		
14:20 – 14:40	Emissions <i>The session will introduce the methodology used to estimate greenhouse gas emissions from the energy sector, covering the sectoral and reference approaches and fugitive emissions. Emissions from energy account for more than three-quarters of the total greenhouse gas emissions globally, hence tracking them is integral for sustainable policy-making.</i>	TBD
14:40 – 15:00	Q&A	
10-minute break		

Final Session - Closing		
15:10 – 15:25	Training Evaluation/Post training assessment	TBD
15:25 – 15:35	Closing remarks and group photo	TBD