



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

Technical Meeting on Cost-Benefit Analysis of New Nuclear Projects

Hosted by the
Government of the United Arab Emirates

through the
Emirates Nuclear Energy Corporation

Abu Dhabi, United Arab Emirates

23–27 October 2023

Ref. No.: EVT1904487

Information Sheet

Introduction

A Member State's decision to develop and deploy new, low-carbon and capital-intensive technologies such as nuclear requires a strong economic justification.

Investments in energy infrastructures tend to stimulate construction, manufacturing, engineering services, generating economic growth across a wide range of economic sectors beyond the project's boundaries. The labour market, for instance, is impacted by direct, indirect and induced (or "spillover") effects, which can be estimated and quantified, as illustrated in the joint report of the Nuclear Energy Agency (NEA) and the International Atomic Energy Agency (IAEA) that studied the employment effects of nuclear energy programs [1].

Indeed, nuclear power projects are labour intensive (especially during construction), pay higher wages than other technologies, and have a long-lasting economic impact. This impact was particularly significant in "nuclear countries", with a thriving nuclear industry and a high degree of localisation, as emphasised by a recent study of the International Monetary Fund (IMF) [2]. NPPs benefits also include:

- Increase in the security of supply.
- Decrease in GHG emissions, air pollution and impact on public health.
- Reduced environmental footprint.

Recognising the social, environmental, and economic benefits of investing in low-carbon systems, in general, and in nuclear power, in particular, is critical to gaining public and government support and creating an enabling environment for the project.

This Technical Meeting on Cost-Benefit Analysis of New Nuclear Projects brings together project developers and decision-makers in Member States to discuss general approaches for assessing the costs, benefits, and social-economic impacts attached to a nuclear newbuild projects, including the CBA [3] and Macroeconomic Analysis [4] frameworks developed by the IAEA to address Member States needs when it comes to informing decision-making in the power sector.

Objectives

The objective of this Technical Meeting is to facilitate the exchange of information on approaches to cost-benefit analysis (CBA) and macroeconomic impact assessment of nuclear newbuild projects, including:

- Cost analysis.
- Financial and economic evaluation as part of a "Social CBA".
- Social, environmental and economic accounting and reporting.
- Input-Output (IO), Computable General Equilibrium (CGE) and other approaches to macroeconomic impact assessment.

Meeting participants, from both nuclear newcomer countries and established nuclear Member States, are invited to share their perspective and to provide country-specific examples and case studies. Keynote speakers, with direct experience in planning and implementing nuclear projects and programmes, will highlight their own perspective, challenges and lessons learned.

Target Audience

The meeting is open to representatives of nuclear power organizations from Member States considering planning, or expanding, a nuclear power programme:

- Government:
 - Policymakers
 - Analysts
 - R&D agencies
- Industries:
 - Vendors
 - Engineering firms
 - Plant operators

Participants should be knowledgeable about the details of their country's national strategy and specific plans for nuclear power implementation, and willing to share their experience and lessons learned in evaluating their nuclear projects and programmes.

Working Language(s)

English.

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **1 July 2023**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by the above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate.

Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event.

The application for financial support should be made using the **Grant Application Form (Form C)**, which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **1 July 2023**.

Visas

Participants who require a visa to enter the United Arab Emirates should submit the necessary application as soon as possible to the nearest diplomatic or consular representative of the United Arab Emirates.

Additional Information

The event will be held at the premises of the Emirates Nuclear Energy Corporation (ENEC) in Abu Dhabi, United Arab Emirates.

The counterpart at ENEC, in Abu Dhabi, United Arab Emirates, is:

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary and correspondence on other matters related to the event to the Administrative Secretaries.

Participation Form

Technical Meeting on Cost–Benefit Analysis of New Nuclear Projects

Emirates Nuclear Energy Corporation (ENEC), Abu Dhabi, United Arab Emirates

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To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary S.Dardour@iaea.org and to the Administrative Secretaries V.Gartner@iaea.org and E.T.B.Hartzell@iaea.org.

Participants who are members of an invited organization can submit this form to their organization for subsequent transmission to the IAEA.

Deadline for receipt by IAEA through official channels: 1 July 2023

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms
Institution:		
Full address:		
Tel. (Fax):		
Email:		
Nationality:	Representing following Member State/non-Member State/entity or invited organization:	
If/as applicable: Do you intend to submit a paper? Yes <input type="checkbox"/> No <input type="checkbox"/> Would you prefer to present your paper as a poster? Yes <input type="checkbox"/> No <input type="checkbox"/> Title:		

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate.

Grant Application Form

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Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms:
Mailing address:	Tel.:	
	Fax:	
	Email:	
Date of birth (yy/mm/dd):	Nationality:	

1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended	
			from	to

2. Recent employment record (starting with your present post):

Name and place of employer/ organization	Title of your position	Type of work	Years worked	
			from	to

3. Description of work performed over the last three years:

4. Institute's/Member State's programme in field of event:

Date: **Signature of applicant:** _____

Date: **Name, signature and stamp of Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority** _____