



Technical Meeting on Cost Forecasting and Analysis Methods for Nuclear New Build Project Developers

Hosted by the
Government of China

through the
Shanghai Nuclear Engineering Research and Design Institute (SNERDI)
Co. and LTD

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Information Sheet

Introduction

Access to relevant and up-to-date cost information is important for decision-making in implementation of a nuclear power project, particularly for IAEA Member States considering the introduction of nuclear power in their energy systems. Member States, especially nuclear newcomer countries, have requested for IAEA assistance towards sharing best practices in cost forecasting and analysis for nuclear infrastructure development and reactor construction projects.

Nuclear power projects are characterised by large capital investments, vast complexity and long-lasting macroeconomic and environmental impacts. Estimating the costs attached to such resource-intensive projects is a crucial step for technology and policy assessments. It is also a key input for a number of essential studies such as feasibility and bankability of nuclear projects and macroeconomic and environmental impacts assessments.

This Technical Meeting on Nuclear Power Costs Forecasting and Analysis for New Build Projects is focused on estimation of prospective capital and operating expenditures associated with pre-construction, construction, and operation of new, commercial-scale nuclear power plants, including first-of-a-kind concepts, and the supporting nuclear fuel cycle facilities. Estimating, and comparing, the costs attached to such projects and activities, identifying their drivers, and exploring ways to reduce them, are the main topics to be discussed during this meeting.

Objectives

The purpose of the meeting is to discuss cost forecasting and analysis methods for nuclear new build project developers. The meeting seeks to facilitate exchange of information on cost issues associated with nuclear new build projects and best practices for cost estimation and management. The cost issues include:

- Expenditures and delivery times attached to pre-construction, construction, and operation of new nuclear power plants.
- Factors affecting costs:
 - Technology, design and operating variables, system boundaries;
 - Contracting strategy; and
 - Project management and execution approaches.
- Nuclear new build project:
 - Cost data and ranges;
 - Cost drivers; and
 - Cost and schedule reduction and optimization strategies.

Meeting participants, from both nuclear newcomer and established nuclear Member States, are invited to share their perspectives on how to develop, update, document and communicate cost estimates and to provide related country-specific examples and case studies. They are also invited to express their needs, expectations, and requirements in terms of basic technoeconomic input data, and cost estimation approaches. Invited speakers, with experience in implementing reactor construction projects, will also discuss their perspectives, challenges and lessons learned.

Target Audience

The meeting is open to representatives of nuclear power organisations from Member States considering, planning, or expanding, a nuclear power programme. It is open to energy system analysts, planners, cost estimators, programme and project managers in government, research and development agencies, nuclear energy programme implementing organizations, utilities, and contractors.

Participants should be knowledgeable about their national strategy and specific plans for nuclear power implementation, and willing to share their experience and lessons learned in estimating the costs of 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 or invited organization, participants are requested to submit their application via the InTouch+ platform (<https://intouchplus.iaea.org>) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **7 May 2025**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):
 - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
 - Persons without an existing NUCLEUS account can register [here](#).
2. Once signed in, prospective participants can use the InTouch+ platform to:
 - Complete or update their personal details under ‘Complete Profile’ and upload the relevant supporting documents;
 - Search for the relevant event under the ‘My Eligible Events’ tab;
 - Select the Member State or invited organization they want to represent from the drop-down menu entitled ‘Designating Authority’ (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);
 - If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
 - Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
 - Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

NOTE: The application for financial support should be made, together with the submission of the application, by **7 May 2025**.

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

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. Further information can be found in the [Data Processing Notice](#) concerning the IAEA InTouch+ platform.

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, together with the submission of the application, by **7 May 2025**.

Venue

The meeting will be held at the premises of the Shanghai Nuclear Engineering Research and Design Institute (SNERDI) in Shanghai in the People's Republic of China.

Visas

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

Organization

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