



Webinar Series on Nuclear Infrastructure Publication Updates Part 3

Resource Requirements for Nuclear Power Infrastructure Development

**15 February 2023
14:00 Central European Time (UCT+02:00)**

Ref. No.: EVT2300512

Information Sheet

Background

In February 2022, the International Atomic Energy Agency (IAEA) launched a new series of interactive webinars on topics relevant to nuclear infrastructure development based on recently issued publications. This third webinar in the series is focused on the topic of resource requirements for nuclear power infrastructure development.

Developing a nuclear power programme is a major undertaking requiring careful planning and preparation. Prior to the investment in the nuclear power plant itself, the process requires adopting relevant policies, establishing appropriate legal and regulatory frameworks and developing the required institutions and human resources. It also requires investment in new or upgraded physical infrastructure (roads, rails, ports, the electrical grid and associated equipment, environmental monitoring systems, etc.) and undertaking a wide range of technical studies and evaluations. These activities are known as the ‘development of the infrastructure needed for a nuclear power programme’. The investment required to develop this infrastructure is considerable. It needs to be funded by the Member State considering nuclear power long before the benefits of an operating nuclear power plant arise.

The IAEA publication entitled *Resource Requirements for Nuclear Power Infrastructure Development*, IAEA Nuclear Energy Series No. NG-T-3.21 (2022) was developed to provide guidance to Member States

that wish, considering their specific circumstances, to better understand and assess the costs ('resource requirements') of developing the infrastructure needed for their nuclear power programmes.

Objective

The objective of this webinar is to provide Member States with an overview of the methodology to develop the content of the publication and present the overall resource requirements in each phase and for each of the key organizations involved in the development of nuclear infrastructure. The webinar will be complemented by Member States sharing their experience with estimating the resource requirements for the development of their specific nuclear power programmes.

Speakers

▪ Welcome remarks	Ms Liliya Dulinets Section Head, NENP-NIDS
▪ Overview of resource requirements and the IAEA on Resource Requirements for Nuclear Power Infrastructure Development	Anthony K. Stott NENP-NIDS
▪ Funding Estimation for the Kenya Nuclear Power Programme	Ms Nancy Mberia Nuclear Power and Energy Agency (NuPEA) Kenya
▪ Experience of Ghana: Resource Requirements for Ghana's Nuclear Power Programme	Mr Seth Debrah Ghana Atomic Energy Commission, Nuclear Power Institute
▪ Q&A session	ALL

The webinar will be moderated by Ms Michelle Scott, Nuclear Infrastructure Development Section, Division of Nuclear Power.

Expected Outcomes

By attending this webinar, participants will:

- Understand the guidance provided in the IAEA publication, *Resource Requirements for Nuclear Power Infrastructure Development*, IAEA Nuclear Energy Series No. NG-T-3.21 (2022);
- Member States can use this publication in their planning and preparation of resource needs during each phase of development of the infrastructure required; Better understand the importance of resource needs at the national level and the organizational level;
- Gain insights on Member States experience in estimating resource requirements.

Working Language(s)

English.

Organization

The event will be held virtually via WebEx on **15 February 2023 from 14:00 – 16:00 CET**.

The webinar will be moderated by [Ms Michelle Scott from the IAEA Nuclear Infrastructure Development section (NENP-NIDS)].

Registration is possible through the following link <https://iaea.webex.com/iaea/j.php?MTID=m4702d9322273db8bb343e6bfa8a3d659>. An electronic invitation will be sent by the Nuclear Infrastructure Development Section (NIDS) of the Division of Nuclear Power to all potential participants identified by counterparts in Member States. Registration will be through the Agency website at: [Webinar Series on Nuclear Infrastructure Publication Updates | IAEA](#).

Related Resources

- [Resource Requirements for Nuclear Power Infrastructure Development, IAEA Nuclear Energy Series No. NG-T-3.21, IAEA, Vienna \(2022\)](#)
- [Milestones in the Development of a National Infrastructure for Nuclear Power, IAEA Nuclear Energy Series No. NG-G-3.1 \(Rev. 1\), IAEA, Vienna \(2015\)](#)
- Nuclear Infrastructure Competency Framework, Database, IAEA, Vienna (2017), <https://nucleus.iaea.org/competency-framework>
- Nuclear Infrastructure Bibliography, IAEA, Vienna, <https://www.iaea.org/topics/infrastructure-development/bibliography>

Scientific Secretary

Mr Vsevolod IGIN

Division of Nuclear Power

Department of Nuclear Energy

International Atomic Energy Agency

Vienna International Centre

PO Box 100, 1400 VIENNA, AUSTRIA

Tel.: +43 1 2600 26711

Email: V.Igin@iaea.org

Administrative Secretary

Ms Valentyna DZYUBENKO

Division of Nuclear Power

Department of Nuclear Energy

International Atomic Energy Agency

Vienna International Centre

PO Box 100, 1400 VIENNA, AUSTRIA

Tel.: +43-1-2600-26736

Email: V.Dzyubenko@iaea.org

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