

Job Description for Professional Posts

Reference: NE2024/01

Position and Grade:	Associate Energy Analyst, P2
Organizational Unit:	3E Analysis Unit Planning and Economic Studies Section Division of Planning, Information and Knowledge Management
Duty Station:	Vienna
Type/Duration of Appointment:	FT – JPO, 1 year with possible extension

Organizational Setting

The Division of Energy Planning and Nuclear Information and Knowledge comprises the Planning and Economic Studies Section, Nuclear Knowledge Management Section and the Nuclear Information Section. The Division is responsible for strengthening capacities in energy and nuclear power planning, building capacities to manage nuclear knowledge and provide knowledge management services to interested member states, and to procure and provide printed and electronic information in the area of nuclear science and technology

The Planning and Economic Studies Section has two objectives. One objective is to enhance the capacity of Member States to perform their own analyses related to electricity and energy system development, energy investment planning and energy environment policy formulation and to understand the associated economic implications. The other objective is to improve understanding of the potential role of nuclear energy in the context of mitigating climate change and contributing to sustainable energy development.

Main Purpose

The Associate Energy Analyst will work in the 3E (Energy, Economic, Environmental) Analysis Unit, within the team of energy economists and analysts, and will report to the PESS Section Head. As a member of the PESS team, the Associate Energy Analyst assists Member States in elaborating their sustainable energy strategies by increasing understanding in Member States in the area of integration of nuclear energy with other low carbon energy options, as well as in the contribution of nuclear power to sustainable development and Just Transitions.

Role

The Associate Energy Analyst is a: (i) an analyst, developing analysis on policies, role of technologies, deployment challenges, status of energy transitions, and progress towards Sustainable Development Objectives and climate objectives; (ii) a team member, supporting and monitoring the implementation of the IAEA Energy Compact developed in the frame of the High Level Dialogue on Energy, as part of UN Energy initiatives.

Partnerships

The work will involve collaboration with other UN organizations, other international organizations and initiatives (including the Clean Energy Ministerial's Nuclear Innovation Clean Energy (NICE) Future initiative), Member States and will support the Agency's multi-stakeholder initiatives in the area of energy and climate (Atoms4NetZero initiative, Atoms4Climate activities including COP).

Functions / Key Results Expected

Under the supervision of professional staff, the incumbent will:

- Develop analysis on energy markets, technologies, policies, and assess progress towards Sustainable Development Goals and Climate objectives.
- Analyse data, perform energy system modelling and energy planning analysis, including macroeconomic analysis.
- Contribute to the drafting reports.
- Support the organization of meetings and other activities of the Section.

Competencies and Expertise

Core Competencies		
Competence	Occupational Role	Behavioural Indicator
Communication	Individual Contributor	Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen and understand the perspective of others and proposes solutions.
Achieving Results	Individual Contributor	Takes initiative in defining realistic outputs and clarifying roles, responsibilities and expected results in the context of the Department/Division's programme. Evaluates his/her results realistically, drawing conclusions from lessons learned.
Teamwork	Individual Contributor	Actively contributes to achieving team results. Supports team decisions.
Planning and Organizing	Individual Contributor	Plans and organizes his/her own work in support of achieving the team or Section's priorities. Takes into account potential changes and proposes contingency plans.

Functional Competencies		
Competence	Occupational Role	Behavioural Indicator
Analytical thinking	Associate	Gathers and analyses information, identifying critical relationships and patterns among data and proposes workable solutions.
Client orientation	Associate	Establishes effective relationships with clients to understand and meet or exceed their needs. Finds ways to ensure client satisfaction.
Judgement/decision making	Associate	Consults with supervisor/manager and makes decisions in full compliance with the Agency's regulations and rules.

Expertise	
Expertise	Description
Nuclear Engineering/Nuclear Energy System Assessment Methods	Knowledge of comparative assessment of costs, effectiveness and energy/economic implications of various energy technology and policy options.
Nuclear Engineering/Nuclear Energy System Modelling and Analysis	Experience in nuclear energy cost and techno-economic data, policy analysis and modelling.
Nuclear Engineering/Sustainable Energy Development	Development of new sustainable energy strategies for nuclear energy.

Education, Experience and Language Skills

- University degree in engineering, energy or environmental economics.
- Minimum two years of relevant experience of which one year of experience at the national level and one year at international level is an asset.
- Excellent oral and written command of English. Knowledge of other official IAEA languages (Arabic, Chinese, French, Russian and Spanish) is an asset.