



Fueling Minds to Power Nuclear Future: A NEA Perspective

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Nuclear energy has the potential to help Singapore address the Energy Trilemma

Singapore **does not** have the natural attributes, resources or land to deploy renewable energy solutions such as hydropower or wind energy at scale.

The **National Environment Agency (NEA)** plays a key role in strengthening Singapore's capabilities in **nuclear safety, security and safeguards**, enabling the **objective evaluation of nuclear technologies and the establishment of robust safety standards** should nuclear energy be considered in the future. To support these efforts, NEA is investing in **developing a future-ready workforce** equipped with the expertise to understand and assess small modular and advanced nuclear technologies.



Fueling Minds to Power Nuclear Future

We believe that people are the most critical infrastructure. NEA focuses on 3 strategic priorities to recruit and retain talent.



Identify and nurture young talent

Scholarships. Attracting high-potential undergraduates and supporting existing staff to pursue postgraduate studies in nuclear engineering.



Collaborate with global regulators to develop expertise

Collaborating with leading international regulators to build deep expertise, learn best practices, and strengthen our capabilities.



Knowledge transfer and capability building

Strengthening institutional expertise through structured training programmes, mentorship, and job rotations to build deep technical capabilities.



Singapore Sustainability Scholarship



The Singapore Sustainability Scholarship is jointly offered by NEA together with two other Statutory Boards under the Ministry of Sustainability and the Environment. It seeks to groom and nurture young talents who are passionate about forging careers dedicated to enhancing Singapore's environmental resilience and ensuring food and water security.

The SSS is open to students who are Singapore Citizens or Singapore Permanent Residents intending to take up Singapore Citizenship.

Tenable for	Science or Engineering Studies at Local/Overseas Universities
Value of award	Full-term Scholarship <ul style="list-style-type: none"> • Tuition fees and other compulsory fees • Maintenance allowance • Pre-studies allowance (one-time) • Return economy class airfare (For overseas studies)
	Mid-term Scholarship <ul style="list-style-type: none"> • Tuition fees and other compulsory fees (Including back payment of tuition fees and other compulsory fees incurred prior to award) • Maintenance allowance (From point of award) • One-way economy class airfare from country of study (For overseas studies)
Bond	<ul style="list-style-type: none"> • Local: 4 years • Overseas: 6 years • Overseas in non-English speaking countries: 5 years

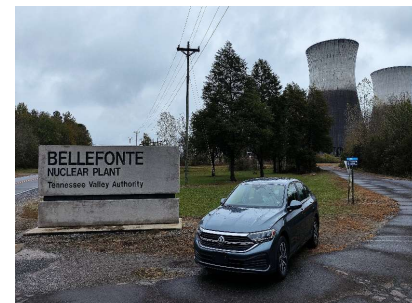
Learning from the World's Leading Nuclear Regulators

International collaboration plays a critical role in developing nuclear expertise.

NEA, Energy Market Authority and SNRSI visited French Authority for Nuclear Safety and Radiation Protection (ASNR) from 10 to 14 November 2025



US NRC conducted a Nuclear Executive Workshop in Singapore from 15 to 19 July 2024



US NRC's Practical Applications of Reactor Technology training course in US, Alabama in November 2024

Knowledge Transfer in Practice

These experiences offer young officers early exposure to the field, combining practical experience with the foundational skills required to succeed in future roles.

Internships

During their summer breaks, scholars return for internships, working with senior staff on short assignments or research projects.

On-the-job mentoring

Junior officers are paired with senior officers for mentorship and guidance.

Trip debriefs

Sharing of key findings, emerging developments, and best practices from participation in international conferences, training workshops and courses.

Structured training programmes

In-house training, e-learning, job rotations, and overseas attachments.





Thank you!

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