

# Status on the Development of Nuclear Power Program in Indonesia

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# Introduction

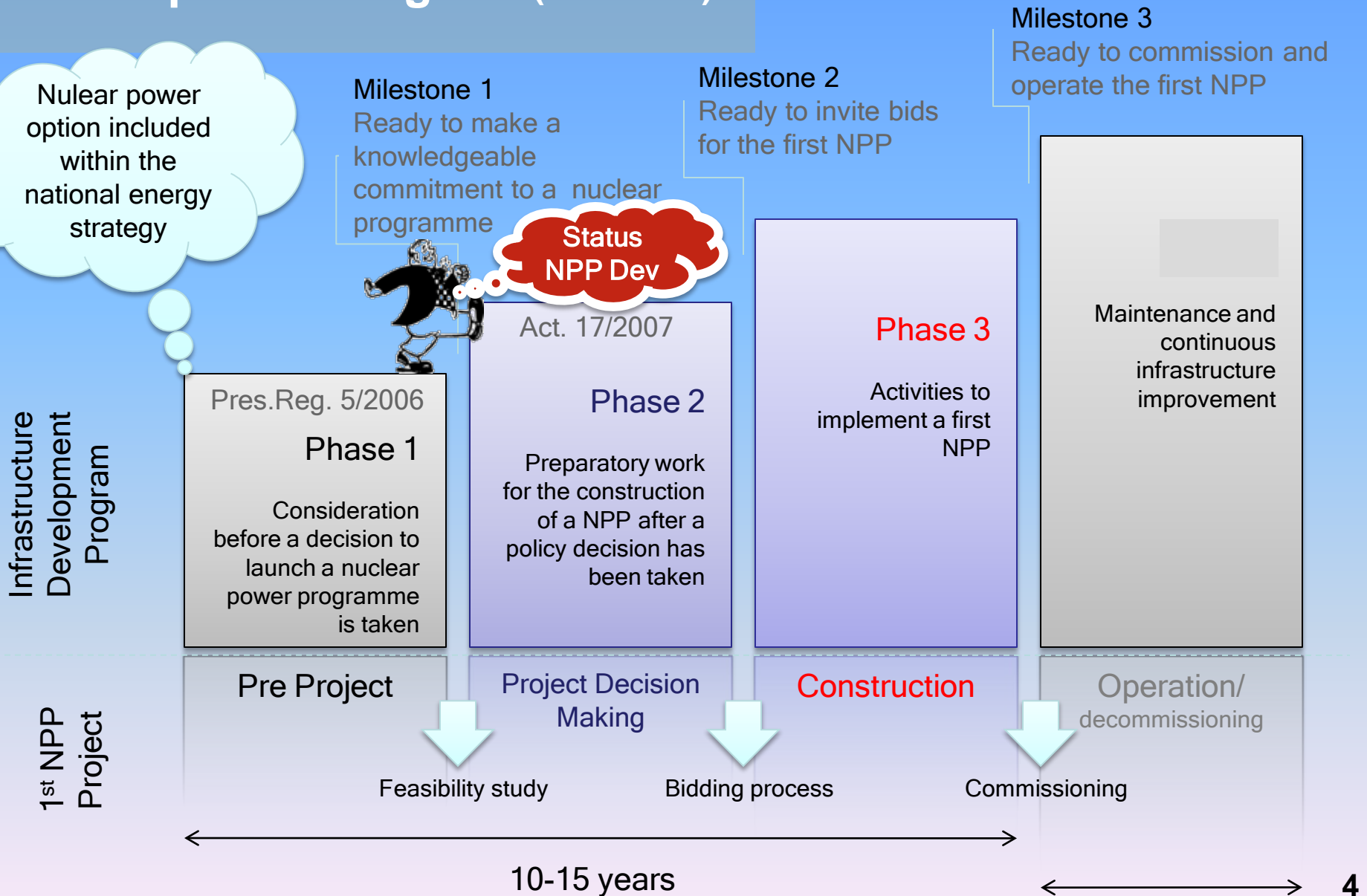
- Indonesia has for a long period planned for the introduction of nuclear power.
- Act No 10 of 1997 on Nuclear Energy. This is the primary legislation in Indonesia
- Act No. 17 of 2007 on Long-Term National Development Plan of Indonesia for 2005 to 2025



# STATUS OF INDONESIA : INTERNATIONAL CONVENTION ON NUCLEAR ENERGY

No.	INTERNATIONAL CONVENTIONS	STATUS
1.	Non-Proliferation Treaty (NPT) - Safeguard Agreement with IAEA - Additional Protocol to Safeguards	Ratified: UU No. 8 Th. 1978 signed Signed
2.	Convention on Physical Protection of Nuclear Material and its Amendment	Ratified by Presdeg No. 49 Th. 1986
3.	Convention on Early Notification of A Nuclear Accident	Ratified by Presdeg No. 81 Th. 1993
4.	Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency	Ratified by Presdeg No. 82 Th. 1993
5.	Treaty on the Southeast Asia Nuclear Weapon Free Zone	Ratified: UU No. 9 Th. 1997
6.	Convention on Nuclear Safety	Ratified by Presdeg No.106 Th. 2001
7.	Comprehensive Nuclear Test-Ban Treaty (CTBT)	Under process for ratification
8.	Joint Convention on the Safety of Spent Fuel Management and the Safety of Radioactive Waste Management	Under process for ratification
9.	Protocol to Amend the Vienna Convention	Signed (1997)
10.	Supplementary Compensation for Nuclear Damage	Signed (1997)
11.	Bilateral cooperation and supply agreement(s)	Signed (1997)

# Fig 1: Nuclear Infrastructure Development Program (Nov 2009)



# Summary of the Infrastructure Review

No.	INFRASTRUCTURE	STATUS OF PHASE 1
1.	National Position	NEPIO not yet established
2.	Nuclear Safety	No actions needed
3.	Management	NEPIO not yet established
4.	Funding and Financing	Minor actions needed
5.	Legislative Framework	Minor actions needed
6.	Safeguards	No actions needed
7.	Regulatory Framework	No actions needed
8.	Radiation Protection	No actions needed
9.	Electric Grid	No actions needed
10.	Human Resource	No action needed
11.	Stakeholder Involvement	Well-structured programme needs to established
12.	Site and Supporting facility	Minor actions needed
13.	Environmental Protection	No actions needed
14.	Emergency Planning	No actions needed
15.	Security and Physical Protection	No actionsw needed
16.	Nuclear Fuel Cycle	No actions needed
17.	Radioactive Waste	No actions needed
18.	Industrial Involment	Minor actions needed
19.	Procurement	No actions needed

# Summary of the infrastructure review

Indonesia has done extensive preparatory work on most infrastructure issues that would allow the country to make decision to further consider introduction of nuclear power, i.e. to go from phase 1 to phase 2 in Milestone methodology.

The issue is: when the Government will establish the NEPIO?

# Front-end considerations

- Long term security of supply of uranium is the main consideration.
- Evaluate seriously the scenarios of multilateral nuclear approach under the IAEA coordination.
- There is no program associated with the nuclear sensitive technologies.
- Start the intensive exploration of uranium in some areas (including Papua Island)

# Back-end considerations

- Under the existing law, there is no option for reprocessing of the spent fuel.
- The options for spent fuel management are re-export or disposal.
- The import of hazardous wastes (including radioactive waste and spent fuel) are prohibited.
- Study some locations for future disposal facilities.



**THANK YOU**