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# Nuclear Energy Program Implementing Organization (NEPIO) and Philippine Government Plan for Nuclear Policy

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*Nuclear Energy Program Implementing Organization (NEPIO)*

Nuclear Energy Forum

22 August 2017, Novotel Hotel Araneta

Quezon City, Philippines



# Why Nuclear?

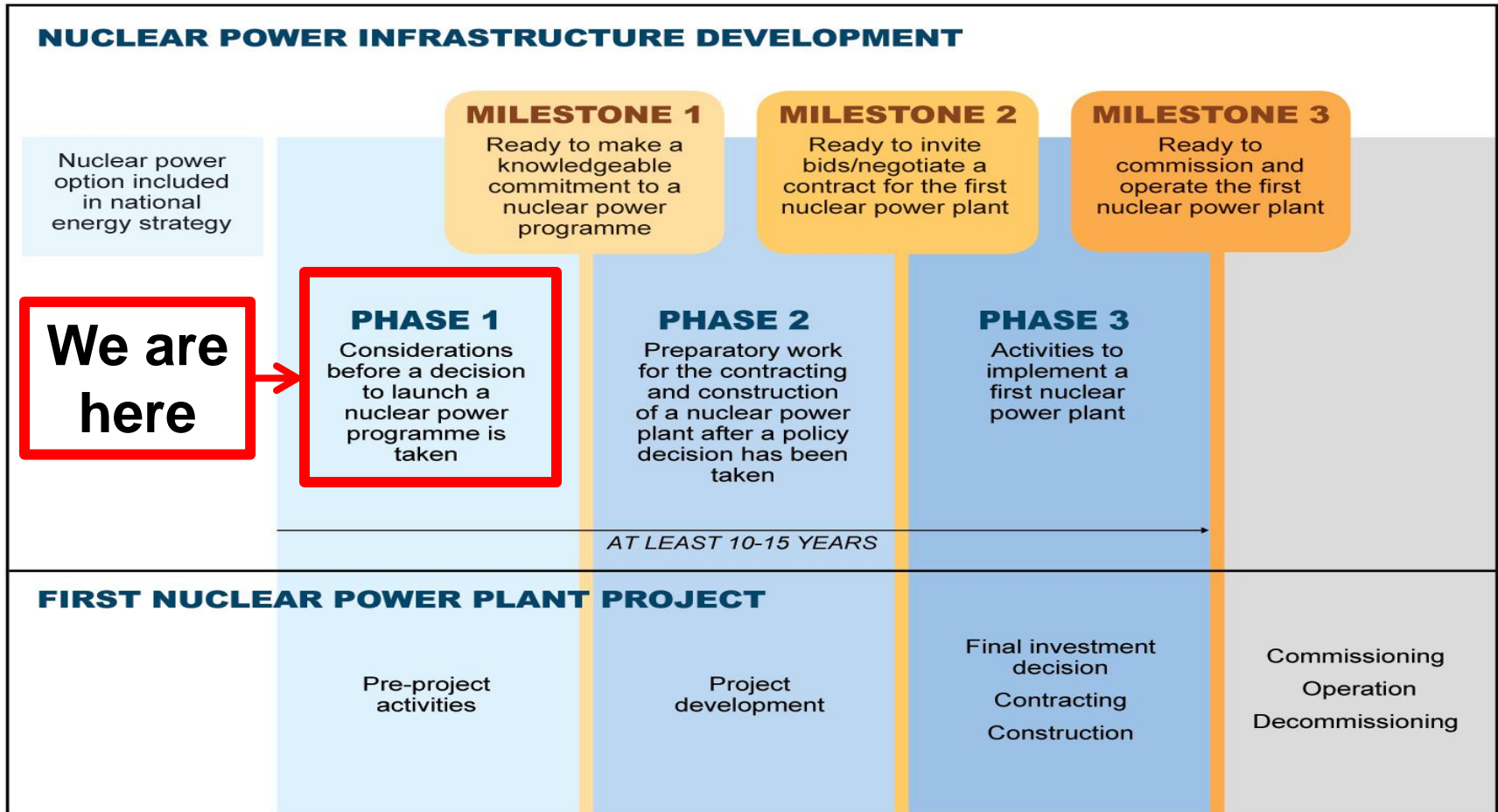


- ✓ *Strong economic growth and rising population will require more energy* – need for increased power capacity and an optimal energy mix for security and sustainability
- ✓ Need for economically viable and highly reliable sources of energy for power generation
- ✓ Address the high cost of electricity in the Philippines
- ✓ Reduction of CO<sub>2</sub> emission



# Nuclear Power Programme

## IAEA Milestones Approach



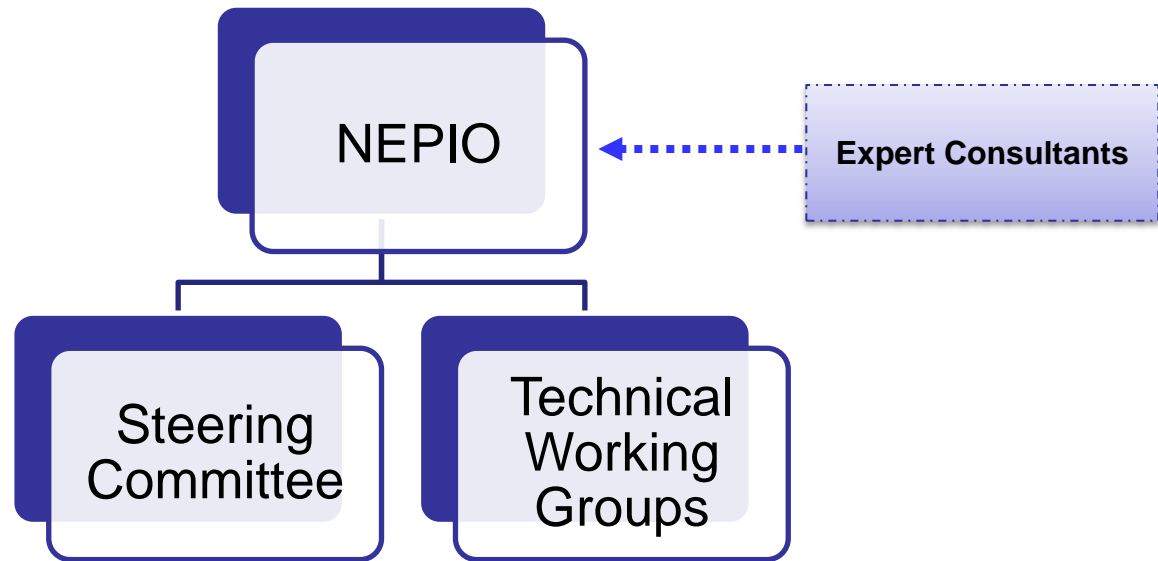


# Nuclear Power Programme

*Nuclear Energy Program Implementing Organization (NEPIO)*



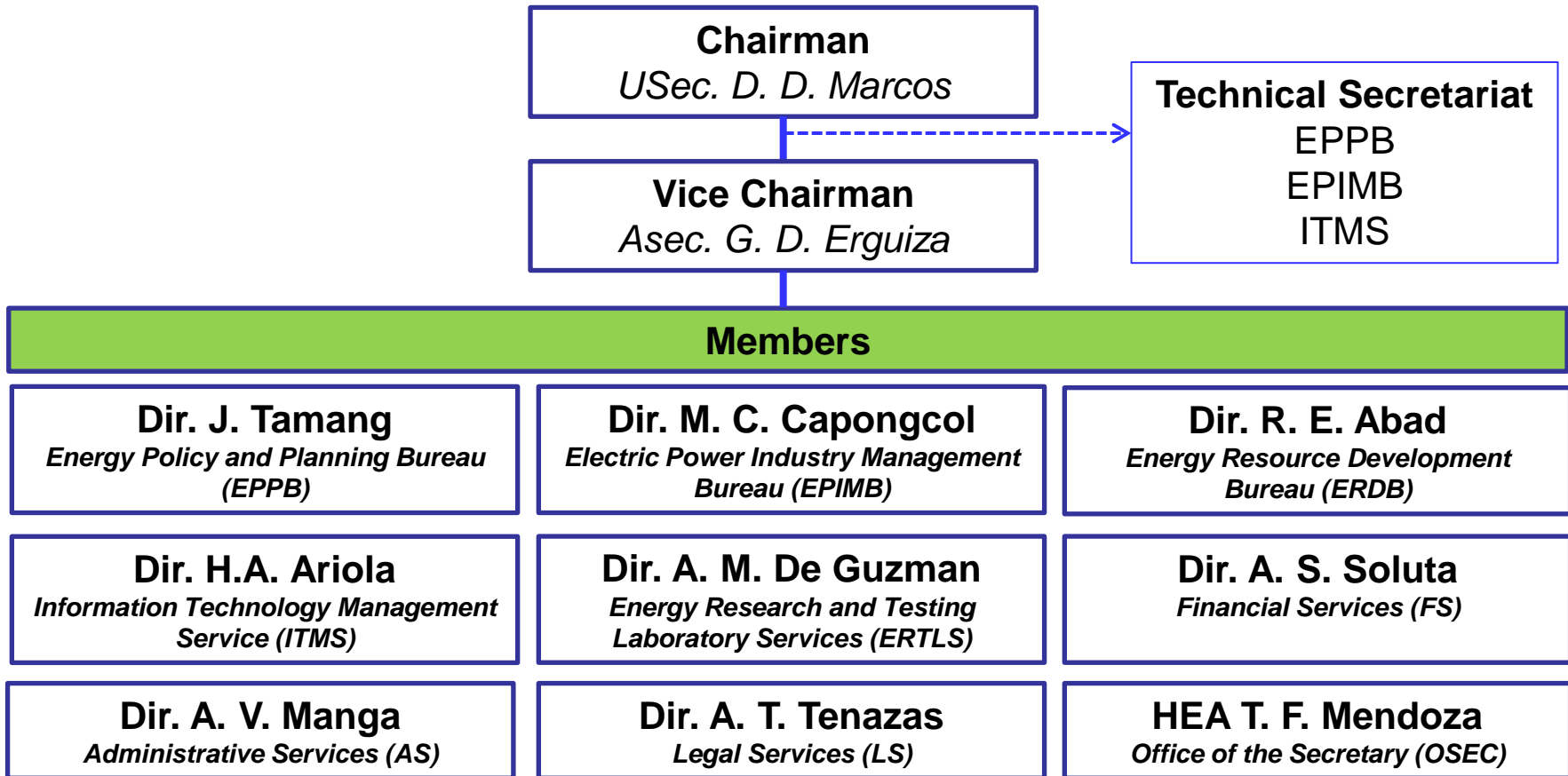
- ❑ The Philippine Nuclear Energy Program Implementing Organization (NEPIO) was created in October 2016 through DO2016-10-0013
  - ✓ Lead in the unified and coordinated efforts and activities relative to the conduct of various studies and research on nuclear energy development in the country





# Nuclear Power Programme

## NEPIO Steering Committee





# Nuclear Power Programme

## NEPIO Technical Working Groups and Tasks Assigned



EPPB	ERDB / ITMS	ERDB/ERTLS	ERTLS	EPIMB	Legal	Administrative
National Position	Site and Support Facilities	Emergency Planning	Nuclear Safety	Nuclear Electricity Market	Legislative Framework	Human Resource Development
Management	Nuclear Minerals Resource Assessment	Security and Physical Protection	Radiation Protection		Regulatory Framework	
Funding and Financing	Procurement		Nuclear Fuel Cycle		Safeguards	
Stakeholder Involvement			Radioactive Waste			
Environmental Protection						
Industrial Involvement						



# Status of Nuclear Power Programme

## Activities Undertaken: 2016 to Q2 2017



### Conduct of Workshops and Conferences

- Conference on the Prospects for Nuclear Power in the Asia Pacific Region (30 Aug – 01 Sept 2016)
- National Workshop on Challenges and Opportunities for Introduction of Nuclear Power in the Philippines in the Backdrop of Recent Developments on Sustainable Development Goals and Climate Change Agreement (21-25 Nov 2016)
- NEPIO Strategic Planning Workshop (1-3 Dec 2016)
- Pre-Feasibility Study/Stakeholder Involvement for the Nuclear Power Programme (5-9 Dec 2016)
- Preparatory Workshop for the Integrated Nuclear Infrastructure Report (INIR) Mission: “Expert Mission to Discuss on the Needs of Philippines and to Support Preparation for the INIR Mission” (13-15 March 2016)

### Procurement of Local Consultant(in-process)

### Review of proposals for possible rehabilitation of BNPP

### Two (2) year technical cooperation project under the IAEA on “Assessing the Development of a Nuclear Power Programme in the Philippines”



# Status of Nuclear Power Programme

## Activities Undertaken: 2016 to Q2 2017



- Completion of Energy Planning Studies by DOE technical staff to provide scientific basis for the national policy on NPP
- Scientific Visits
  - Visit to South Korea 's KORI2 and Slovenia's Krisko NPP (sister plants of BNPP)
- International Cooperation Meetings
  - Visit to IAEA HQ for International Technical Cooperation Programme of IAEA
  - Bilateral meeting with IAEA's Director General Amano
- Presentations of Various Proposals for the Bataan Nuclear Power Plan (BNPP)
  - 3 proponents / proposals for evaluation of NEPIO: TRACTEBEL, KHNP, ROSATOM





# Status of Nuclear Power Programme

*Upcoming Activities: 2017 to 2019*



- Conduct of Public Perception Survey during 4th Quarter 2017
- Conduct IEC in different parts of the country to enhance public acceptance from 2017-2019
- Comprehensive Pre-feasibility Study for the Infrastructure Areas of NPP by 4th Quarter 2017 as basis for the National Policy for Nuclear Power Program and Self-Evaluation Report
- Self-Evaluation Report (SER) for the Assessment of Infrastructure Development of NPP by 4th Quarter 2017 to IAEA as a prerequisite for INIR Mission
- National Policy in Nuclear by Dec 2017
- Conduct of INIR Mission by IAEA by 4th Quarter 2018
- Conduct Feasibility Study of Infrastructure Development Issues by 2019 focusing on the Areas recommended by the INIR Mission
- Capacity building through conduct of workshops on nuclear policy.



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# Thank You!

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