

**Pilot Project**

# **Achieving universal access to clean cooking in Lao PDR with electric cookstoves**

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# Government Policy in Energy Sector

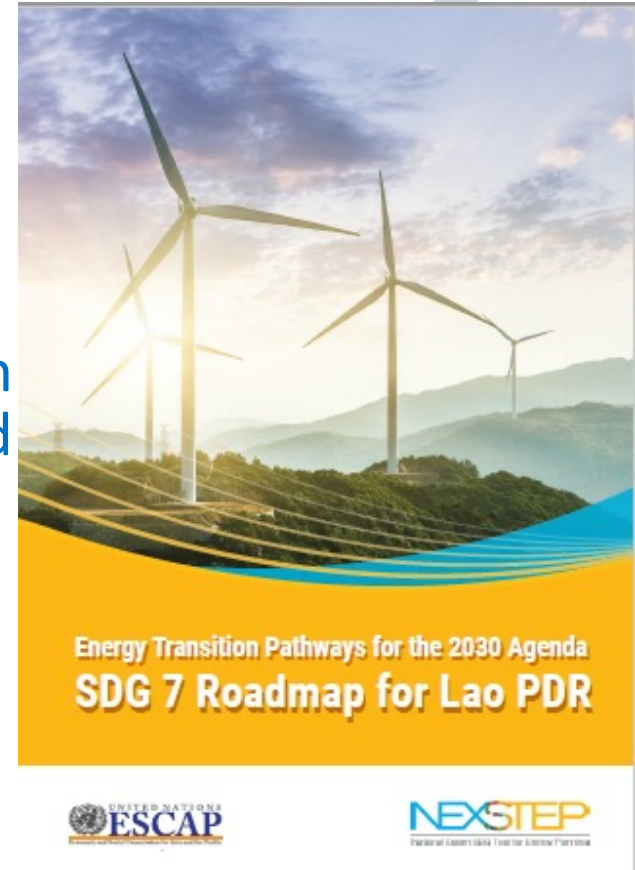
- Strategy Development Plan on Energy Sector 2021-2030
- 9<sup>th</sup> Development Plan on Energy and Mines 5-year Plan 2021-2025.
- The resolution on the approval and promulgation of the policy for the use of electric vehicles in the Lao PDR .No 08/gov, the date on 4/10/2021
- Strategy plan on Promotion RE of Lao PDR

# Government Target on 2030

- The energy generation mix policy was set for hydropower at 75%, coal at 14%, and non-hydro renewables at 11%.
- To develop renewable energy such as water power, solar, wind, biomass, biofuel, biogas, and others to produce electricity for domestic supply and export, and promote the use of renewable energy in households and communities. **Especially in rural areas that do not have a grid system | Access, promote the use of clean stove technology to reduce the use of coal as fuel.**

# Background of pilot project development

- SDG 7 Road Map developed in 2022 identified the challenges and gaps in achieving universal access to clean cooking
  - Access to clean cooking rate was 8.5% in 2020
  - In 2030, under the current policies, about 1 million households will rely on cooking with traditional biomass and kerosene
  - Severe health impacts would arise if this is not addressed
- The Road Map suggests the use of a combination of electric cookstoves, LPG cookstoves and improved cookstoves to achieve universal access



# Potential for electric cookstoves

- Lao PDR does not have natural gas resources
- LPG stoves present a risk to the country due to potential price and supply shocks, as LPG is largely imported
- Lao PDR is close to achieving universal access to electricity
- Electricity in Lao PDR is largely carbon neutral
- Electricity tariff is quite low and is affordable
- Electric (induction type) cookstoves are highly efficient
  - It can also help improve the energy efficiency

# Pilot project in discussion

- MEM and ESCAP have discussed the challenges and needs to address the clean cooking matter
- MEM has requested ESCAP to provide support to achieve universal access to clean cooking
- ESCAP is currently formulating the modalities for support for a pilot project
- The inception workshop to kick start the pilot project is likely to be held in Q3 2023

# Way forward..

- ESCAP and MEM to discuss further
  - To identify a suitable modality to implement clean cooking project considering the national context of Lao PDR
- A partnership is to be formed
  - With funding agencies, technical support, supplier and local implementers
- Technologies to be identified/prioritized
  - Potential technologies are LPG cookstoves, electric cookstoves and improved cookstoves
  - MEM to guide in identifying community segments for different technologies
- Possibility of using carbon credit mechanism to finance clean cooking project is to be examined
- Roll out of clean cookstoves to start in 2024

# Thank you

