



CEFIA
Cleaner Energy
Future Initiative
for ASEAN
ASEAN+3



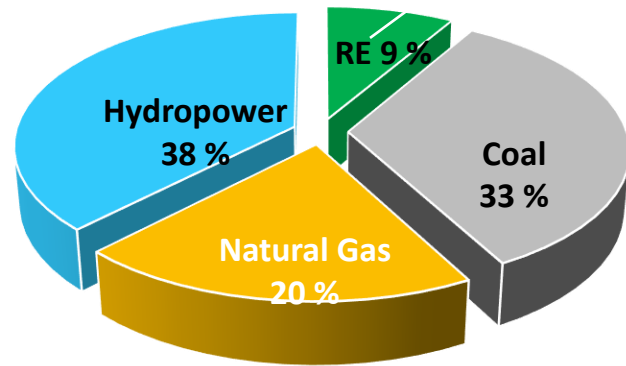
The 9th Government-Private Forum
on
the Cleaner Energy Future Initiative for ASEAN (CEFIA)



MR. TINT LWIN OO
DIRECTOR
MINISTRY OF ELECTRICITY AND ENERGY
RE-SSN FOCAL POINT MYANMAR

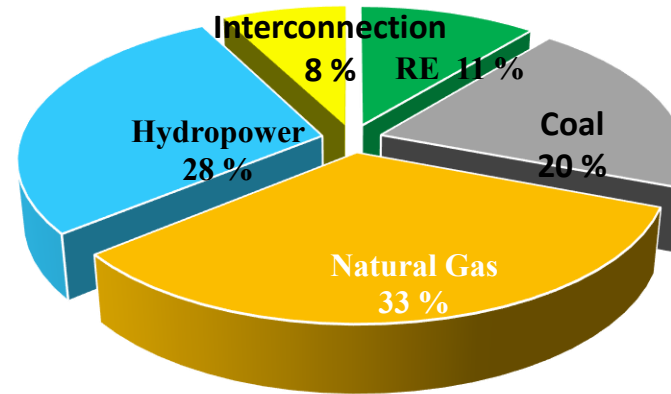
RE Penetration in Power Development Plans

National Electricity Master Plan-NEMP (2030)



RE 47%
23954 MW

Nationally Determined Contribution-NDC (2030)

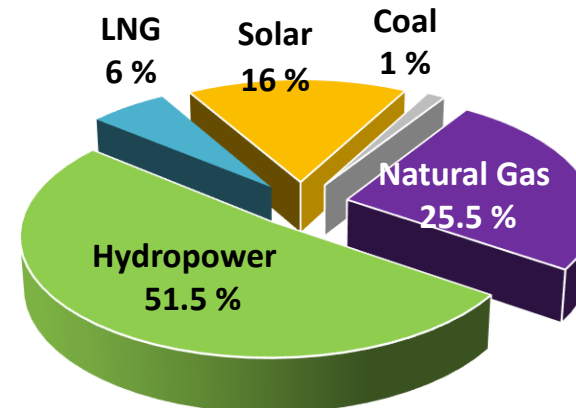


RE 39%
18239 MW

According to the Nationally Determined Contribution (NDC) plan for reducing and adapting to climate change at the national level, under the condition that it must be implemented with the state's financial resources, the installed power generation capacity to be achieved 18,239 MW by the year 2030.

Type of Energy Sources	Existing (April, 2026)+ Ongoing Installed Capacity			
	Existing	Ongoing	Total	%
Hydropower	3,243.2	1,984.4	5,227.6	51.5 %
Renewable Energy (Solar)	301.8	1342	1643.8	16 %
Natural Gas	2,582.42	-	2,582.42	25.5 %
LNG	584.522	-	584.522	6 %
Coal	138	-	138	1 %
	6,849.942	3326.4	10,176.342	100 %

Generation Mix in Installed Capacity



RE 67.5 %
10176 MW



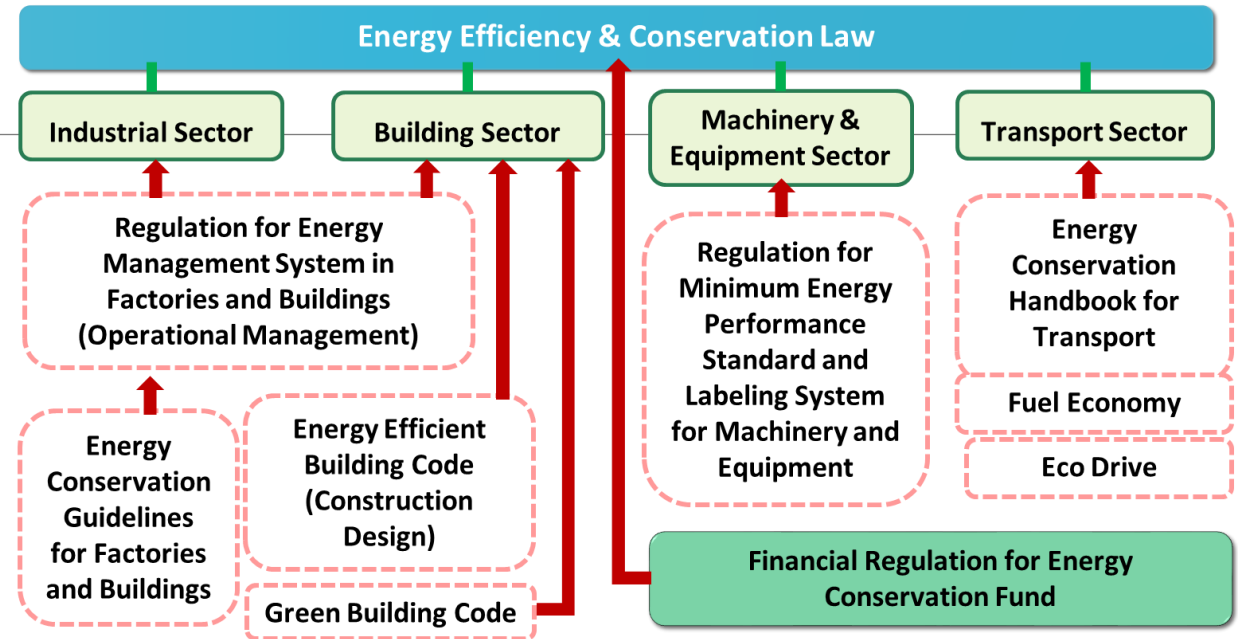
National Policy Framework, Targets, and Priorities for the Clean Energy Transition by EE

Myanmar Nationally Determined Contributions
 Unconditional: 244.52 million tCO₂e by 2030
 Conditional: 414.75 million tCO₂e by 2030

Sector	EE Policy Target - 2030 (%)	EE Policy Target -2030 (GWh)
Industry	6.63	242.11
Commercial/ Public	3.98	65.33
Residential	7.80	209.00
Other	1.36	3.83
Total (EE Policy Target)	20	520.26

Policy Objective

- Reduce that national electricity consumption by 20% in 2030 compared to the baseline demand in 2012
- Reduce national CO₂ emissions by **133,187 tons** in 2030 Based on an emission factor of 0.256 kg CO₂/kWh.



Policy for the Development of Electric Vehicles and Related Industries	Baseline	Target			
	2021	2025	2030	2040	2050
% of EV on total registered vehicle	0.05%	14%	32%	67%	100%
No. of Charging Station (City)		172	457	1039	1388
No. of Charging Stations (Highway)		296	789	1274	2259

Energy Saving (Direct) identified by 27 Factories Assessment(2015-2021)
 = Electricity + Fossil Fuel + Carbon Neutral Fuel = **496,275.03 MWh/year**
 Carbon dioxide emission reduction **0.449 million ton/year**



Proposed Regional Cooperation Initiatives through the CEFA flagship project

- ✓ higher-voltage grid expansion, loss reduction, and grid planning
- ✓ interconnection standards, dispatch planning, grid codes, and balancing variable solar and wind with the existing system
- ✓ Energy Efficient Building Design Standard Formulation
- ✓ Fuel Economy Program for Light Duty Vehicles



THANK YOU FOR YOUR KIND ATTENTION!

