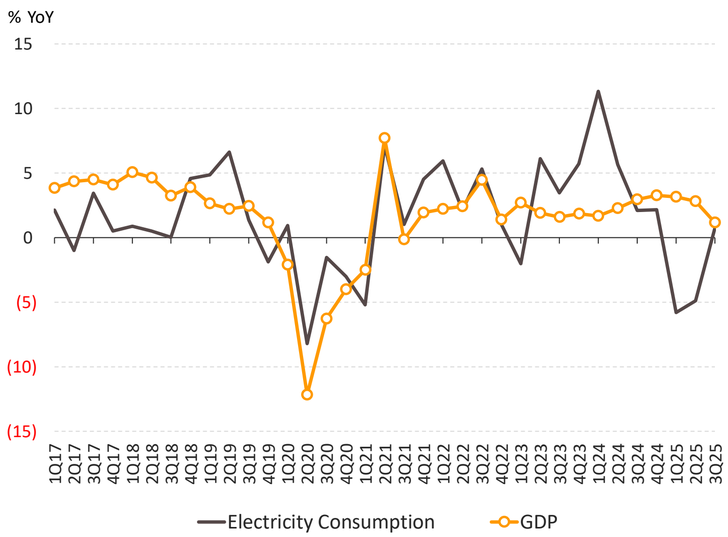
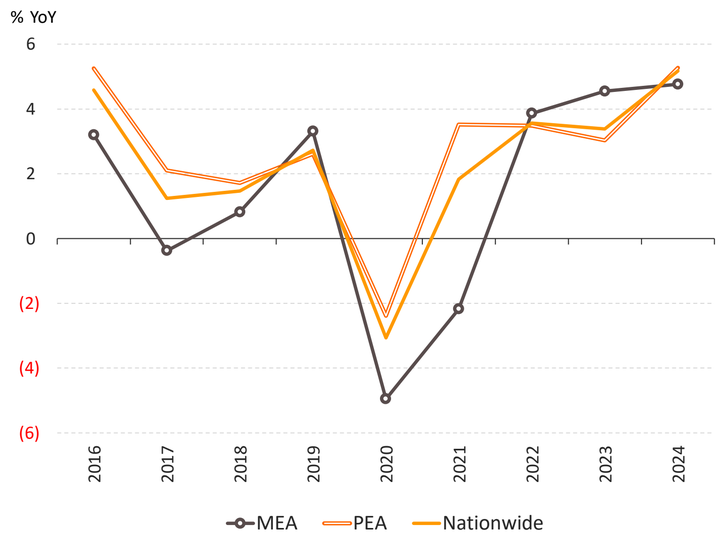
Power Generation (ผลิตไฟฟ้า)

GDP & Electricity Consumption



Source: EPPO, NESDC

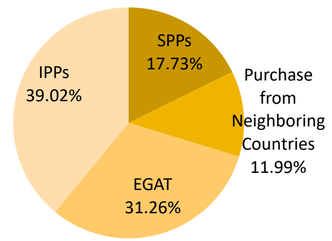
Electricity Consumption by Area



Installed Generation Capacity

As of Mar, 2025

52,017.80 MW

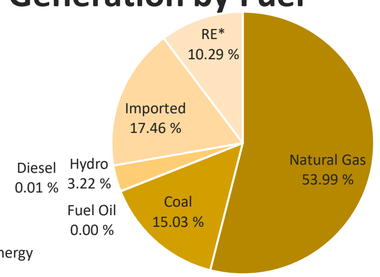


Source: EGAT

Power Generation by Fuel

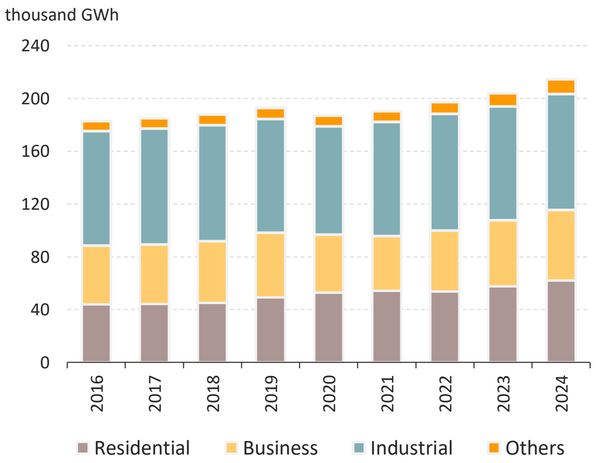
Total Jan-Oct 2025

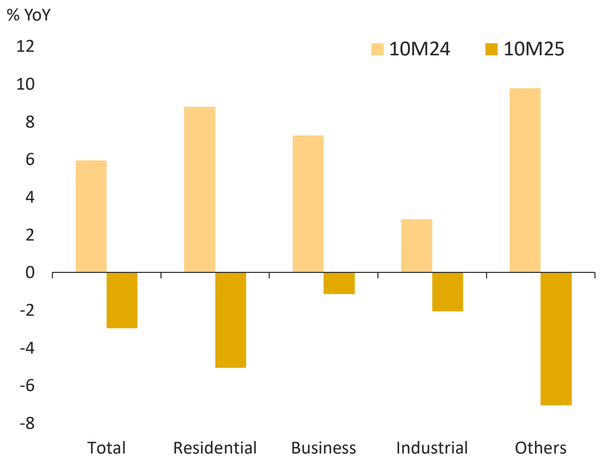
192,522.16 GWh



Note: On EGAT system / * Renewable Energy
Source: EPPO

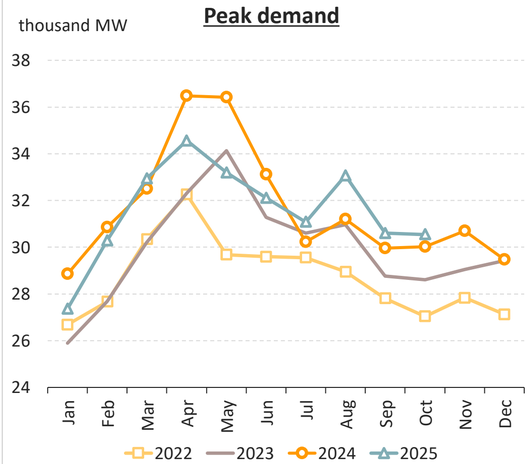
Electricity Consumption by Sector

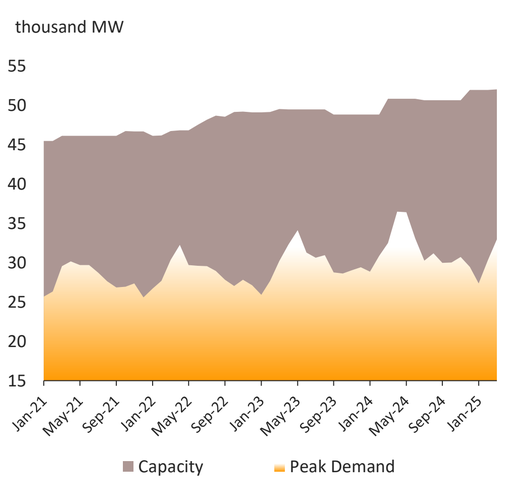




Source: EPPO

Peak Demand and Installed Generation Capacity





Source: EGAT

Power Generation (ผลิตไฟฟ้า)

Electricity Consumption by Sector

Sectors	2023	2024	Unit: GWh Jan-Oct		Growth (% YoY) Jan-Oct	
			2024	2025	2024	2025
Residential	57,726	62,188	53,079	50,393	8.8	-5.1
Business	49,962	53,184	44,971	44,449	7.3	-1.2
Industrial	86,274	88,226	74,210	72,674	2.8	-2.1
Government and Non-Profit	222	249	210	206	9.2	-1.9
Agriculture	484	476	410	381	-4.4	-7.0
Other	4,826	5,486	4,559	3,853	13.4	-15.5
Free of Charge	4,428	4,661	3,856	3,958	7.5	2.6
Total	**203,923**	**214,469**	**181,295**	**175,915**	**6.0**	**-3.0**

Source: EPPO

Peak Demand and Power Generation

Peak Demand (MW)

	2022	2023	2024	2025
Jan	26,688	25,896	28,853	27,363
Feb	27,673	27,687	30,850	30,284
Mar	30,349	30,213	32,508	32,942
Apr	32,255	32,324	36,478	34,568
May	29,675	34,131	36,412	33,200
Jun	29,594	31,279	33,109	32,113
Jul	29,558	30,601	30,229	31,081
Aug	28,952	30,963	31,201	33,063
Sep	27,808	28,768	29,953	30,609
Oct	27,042	28,604	30,028	30,548
Nov	27,833	29,056	30,694	
Dec	27,125	29,431	29,467	
Max	**32,255**	**34,131**	**36,478**	**34,568**

Power Generation (GWh)

	2022	2023	2024	2025
Jan	16,991	16,082	18,301	16,503
Feb	16,099	16,235	18,633	17,131
Mar	19,739	19,292	21,401	20,638
Apr	18,333	19,754	21,836	19,908
May	19,000	21,041	21,805	20,417
Jun	18,971	19,419	20,081	19,547
Jul	18,943	19,580	19,424	19,763
Aug	18,730	19,430	19,933	20,098
Sep	17,728	18,438	18,963	19,075
Oct	17,484	18,708	19,526	19,441
Nov	17,476	17,745	18,452	
Dec	16,345	17,557	17,159	
Total	**215,838**	**223,283**	**235,512**	**192,522**

Source: EGAT, EPPO

Installed Generation Capacity (March 2025)

Producers	Total Capacity MW	Total Capacity % Share
EGAT	**16,261**	**31.3**
Purchase from Neighboring Countries	**6,235**	**12.0**
- Theun-Hinboun (Laos)	434	0.8
- Houay Ho (Laos)	126	0.2
- Nam Then 2 (Laos)	948	1.8
- Nam Ngum 2 (Laos)	597	1.1
- Xayaburi (Laos)	1,220	2.3
- Nam Ngiep (Laos)	269	0.5
- Xe-Pian Xe-Namnoy (Lao)	354	0.7
- Hongsa Power Plant	1,473	2.8
- Nam Then 1 (Laos)	514	1.0
- EGAT-TNB Interconnection System	300	0.6
IPPs	**20,299**	**39.0**
- Electricity Generating PCL.	930	1.8
- Ratchaburi Electricity Generating Holding PCL.	3,481	6.7
- Global Power Synergy Co.,Ltd.	700	1.3
- Glow IPP Co.,Ltd.	713	1.4
- BLCP Power Co.,Ltd.	1,347	2.6
- Kaeng Khoi Power Genaration Co.,Ltd.	1,468	2.8
- Ratchaburi Power Co.,Ltd.	1,400	2.7
- Gheco-One Co.,Ltd.	660	1.3
- Gulf JP NS Co.,Ltd.	1,600	3.1
- Gulf JP UT Co.,Ltd.	1,600	3.1
- Gulf SRC Co.,Ltd.	2,500	4.8
- Gulf PD Co.,Ltd.	2,500	4.8
- HKP Co.,Ltd.	1,400	2.7
SPPs	**9,223**	**17.7**
Total	**52,018**	**100.0**

Source: EGAT

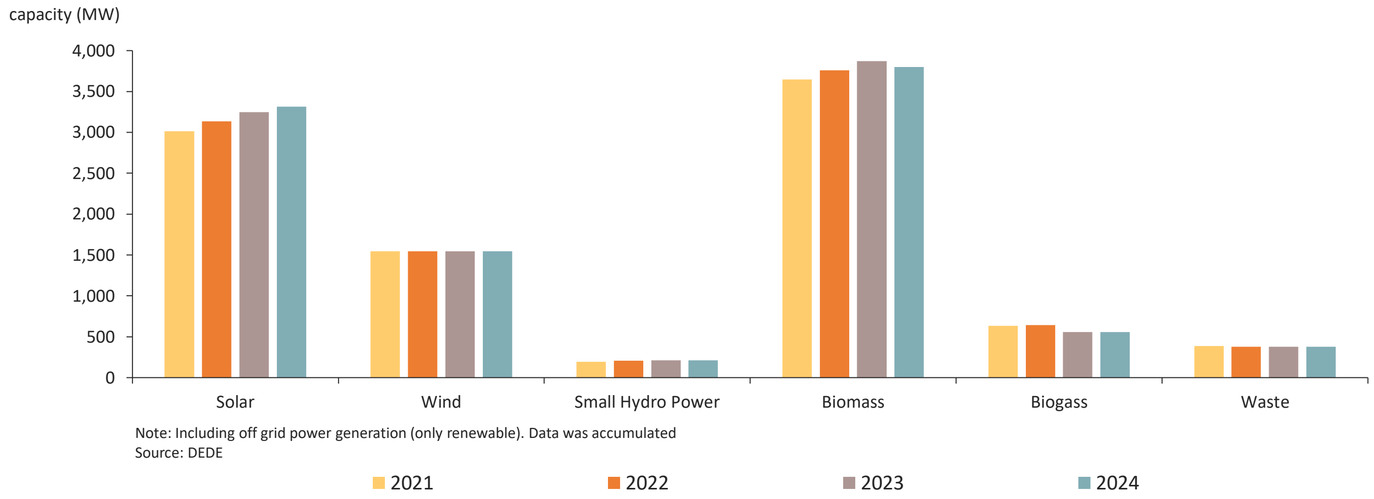
Power Generation by Fuel

Sectors	2023	2024	Unit: GWh Jan-Oct		Growth (% YoY) Jan-Oct	
			2024	2025	2024	2025
Natural Gas	129,402	136,373	116,852	103,935	7.4	-11.1
Coal&Lignite	30,433	33,259	27,760	28,928	7.6	4.2
Fuel Oil	11	39	39	7	528.7	-81.3
Diesel	877	237	227	25	-73.9	-89.1
Hydro Electricity	6,588	6,415	5,241	6,208	-8.1	18.5
Imported	32,805	35,985	30,594	33,613	11.4	9.9
Renewable Energy	23,167	23,204	19,189	19,805	-0.6	3.2
Total	**223,283**	**235,512**	**199,902**	**192,522**	**6.3**	**-3.7**

Notek: On EGAT System
Source: EPPO

Power Generation (ผลิตไฟฟ้า)

Renewable Energy Consumption for Power Generation by Fuel Type



Note: Including off grid power generation (only renewable). Data was accumulated
Source: DEDE

Types of Energy	Target (year 2037)	2022	2023	2023	Jan-Sep 24
Solar	12,139	3,135	3,249	3,314	6,479
Wind	2,989	1,545	1,544	1,544	1,544
Small Hydro Power 1/	308	207	214	214	214
Biomass	5,790	3,759	3,870	3,798	3,749
Biogas 2/	1,565	643	559	557	557
Waste 3/	900	377	377	377	387
Large Hydro Power 4/	2,929	2,918	2,918	2,918	2,918
Total	**28,657**	**12,666**	**12,810**	**12,845**	**15,972**

Note: 1/ Including hydro power plants < 12 MW & hydro power plant using the water downstream
2/ Including waste water / waste dumping and energy crop
3/ Including municipal solid waste and industrial waste
4/ The exiting installed capacity
Source: DEDE