

Energy Consumption and Energy Management

TFM's climate and energy management approach is aligned with Thai Union Group's climate commitments and supports the Group's pathway toward science-based greenhouse gas (GHG) emissions reduction targets and long-term net-zero ambitions.

The Company integrates energy efficiency improvement, renewable energy expansion, operational optimization, and low-carbon technology adoption into its decarbonization strategy in support of Thai Union Group's commitment to the Science Based Targets initiative (SBTi) and the Group's broader climate transition roadmap.

Energy management programs include:

- Energy efficiency improvement projects
- Real-time energy monitoring systems
- Renewable energy expansion
- Annual energy audits
- Steam reduction and boiler optimization programs
- Engineering and operational improvements
- Team capability building and operational awareness programs

Total Energy Consumption Disclosure

TFM discloses consolidated total energy consumption using a consistent organizational boundary, calculation methodology, and energy conversion approach across all reporting years to improve transparency and comparability of energy performance data.

TFM continuously monitors and manages total energy consumption across its manufacturing operations as part of its energy efficiency and decarbonization strategy. Total energy consumption was reported at 540,741 GJ in 2023 and decreased significantly to 354,717 GJ in 2024, reflecting the impact of operational efficiency improvements, energy optimization initiatives, and reduced reliance on carbon-intensive fuel sources. In 2025, total energy consumption was 361,092 GJ, reflecting ongoing operational activities while maintaining energy management and efficiency improvement efforts across the business. The reported total energy consumption includes:

- Direct fuel consumption
- Purchased electricity consumption
- Renewable and non-renewable energy sources

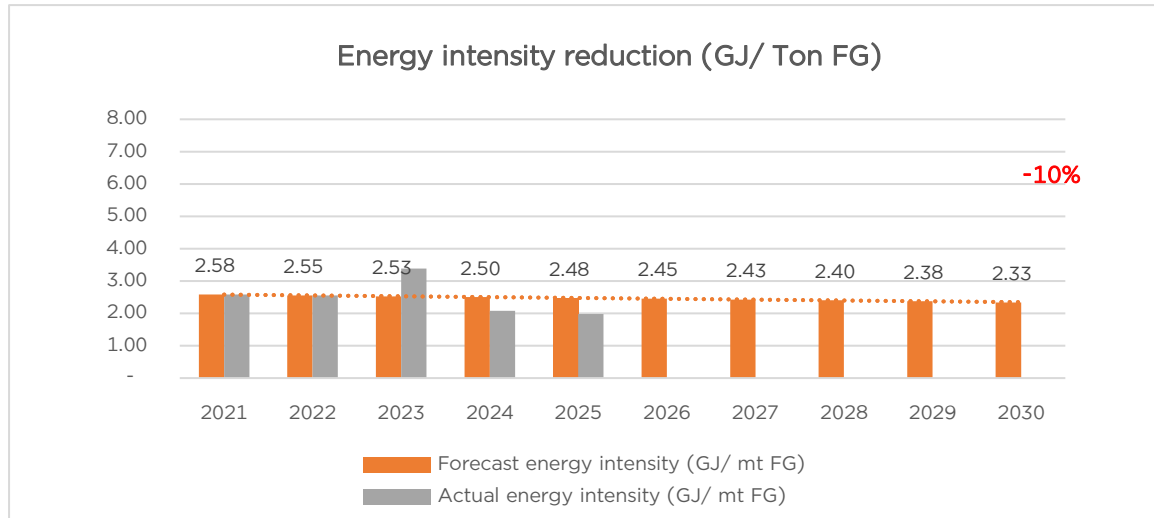
Energy consumption is aggregated and reported in gigajoules (GJ) using internally approved conversion factors e.g. Thailand Department of Alternative Energy Development and Efficiency (DEDE), IPCC 2006 Guidelines, and etc. aligned with applicable national energy reporting requirements, internal energy management systems, Thai Union Group sustainability reporting methodology, and recognized GRI and ESG disclosure practices to ensure consistency, transparency, and comparability across reporting periods.

Energy consumption during 2023-2025

Energy Consumption	Unit	2023	2024	2025
Non-renewable energy	GJ	432,483	214,810	173,824
Renewable energy	GJ	21,841	49,560	89,501
Electricity consumption	GJ	86,387	90,347	97,768
Total Energy	GJ	540,710	354,717	361,092

Energy Intensity Reduction Targets

TFM supports Thai Union Group’s target to reduce energy intensity by 10% by 2030 using 2021 as the baseline year.



Remark: Energy consumption from the steam process and electricity, which are contributed as major consumptions.

Progress Against Energy Targets:

- Energy intensity reduction: Achieved a 23% reduction in energy intensity in 2025 compared with the 2021 baseline.
- Energy consumption optimization in our operations
- Driving to efficiency machinery to reduce energy consumption etc.