



Performance Summary: Energy

Energy							
GRI	Required Data	Unit	OR Performance				
			2021	2022	2023	2024	Target
GRI 302-1 (2016)	Total Energy Consumption Within The Organization						
	Total energy consumption ^[1]	GJ	260,705	289,773	361,586.20	397,853.37	-
		MWh	72,418	80,493	100,441	110,515	-
	Total non-renewable energy consumption	GJ	253,526	281,799	321,833	337,701	387,424
		MWh	70,424	78,278	89,398	93,806	107,618
	Total renewable energy consumption	GJ	5,767	7,974	39,753	60,152.40 ^[8]	60,041
		MWh	1,602	2,215	11,043	16,709	16,678
	Total fuel consumption within the organization from non-renewable sources						
	Total fuel consumption within the organization from non-renewable sources	GJ	52,745	62,677	70,927	70,039	-
		MWh	14,651	17,410	19,702	19,455	-
	- Gasohol	GJ	No Data	No Data	24,887	25,508	-
		MWh	No Data	No Data	6,913	7,086	-
	- Diesel	GJ	No Data	No Data	25,165	24,564	-
		MWh	No Data	No Data	6,990	6,823	-
	- LPG	GJ	No Data	No Data	20,100	19,967	-
		MWh	No Data	No Data	5,583	5,546	-
	Total fuel consumption within the organization from renewable sources						
	Total fuel consumption within the organization from renewable sources	GJ	5,767	7,974	39,753	60,152.40	-
		MWh	1,602	2,215	11,043	16,709.0	-
	- Solar Roof	GJ	No Data	2,155.38	39,753	55,296.40	-
		MWh	No Data	599	11,043	15,360.1	-
	- Other Renewable Energy	GJ	No Data	No Data	No Data	4,856.00	-
		MWh	No Data	No Data	No Data	1,348.9	-
	Total purchased energy						
	Total purchased energy (Renewable energy + Non-renewable energy)	GJ	200,781	219,122	257,757	332,740	-
		MWh	55,772	60,867	71,599	92,428.22	-
	Total purchased renewable energy						
	Renewable Energy Certificate (REC)	GJ	N/A	N/A	6,851	65,078.00	-
		MWh	N/A	N/A	1,903	18,077	-
	Total purchased non-renewable energy						
	- Electricity purchased from EGAT, PEA, MEA	GJ	200,781	219,122	250,906	267,662	-
		MWh	55,772	60,867	69,696	74,351	-
	Total Sold non-renewable energy						
	Total non-renewable energy (electricity and heating & cooling) sold	GJ	N/A	N/A	N/A	N/A	-
		MWh	N/A	N/A	N/A	N/A	-

Remarks :

N/A (Not Applicable): There is no relevant to the operations of OR.

No Data: There is no data in the reporting year.

[1] Source (Auditing and monitoring on the performance according to the standards required by law or international standards.)

[2] OR using the PTT Group's statistical reporting standards according to the principles of Greenhouse Gas Protocol and IPCC.

[3] OR do not uses revenue in the reporting year for calculating energy intensity (Absolute Approach)

[4] Scope of energy consumption calculation including fuel and electricity

[5] Amount of energy consumption reduction achieved through energy conservation compared to 2023 as the base year

[6] The data covers the following operation site :

- Petroleum Terminal, Oil Depots, LPG Terminal and Aviation except Rental Terminal and Eastern Petroleum Terminal
- COCO PTT Station
- COCO FIT Auto
- Lubricant Distributiion Center of Bangprokong
- Prakanong Office
- LPG Cylinder Refurbishment (Repairing) Plant. (Songkla)
- LPG Cylinder Refurbishment (Repairing) Plant. (KhonKaen)
- LPG Cylinder Refurbishment (Repairing) Plant. (Ayutthaya)
- Café Amazon Roasting Plant
- Amazon Inspiring Campus (AICA)
- OR Academy (ORA)
- Café Amazon Dry mix Plant
- Café Amazon Bakery Plant
- Lifestyle Distribution Center
- OASYS

[7] The energy consumption data which is not under assurance boundary by third party verifier includes:

- The amount of mobile emissions fuel use from petroleum depots, oil depots, liquefied petroleum gas depots, and aviation refueling stations, excluding rented depots and depots in the eastern region, amounting to 6,565.13 GJ or 1,823.65 MWh.
- Electricity consumption calculated retroactively from the electricity billing invoices by the lessor for Café Amazon stores both inside and outside PTT Station gas stations that OR owns and operates itself, amounting to 13,368 MWh or 48,124.8 GJ.

[8] OR has set long-term organizational goals under the OR 2030 Goals, focusing on a Healthy Environment by increasing the share of clean energy. Corporate KPIs have been established for all departments to drive the annual installation of Solar Rooftops. Additionally, OR is promoting the purchase of Renewable Energy Certificates (RECs) to integrate into the organization, resulting in an increase in renewable energy usage starting from 2023.