



Performance Summary: Energy

Energy							
GRI	Required Data	Unit	OR Performance				
			2022	2023	2024	2025	Target
GRI 302-1 (2016)	Total Energy Consumption Within The Organization						
GRI 103-2 (2027)	Total energy consumption ^[1]	GJ	289,773	361,586.20	397,853.37	389,486.00	-
		MWh	80,493	100,441	110,515	108,191	-
	Total non-renewable energy consumption	GJ	281,799	321,833	337,701	322,119	328,888
		MWh	78,278	89,398	93,806	89,478	91,358
	Total renewable energy consumption	GJ	7,974	39,753	60,152.40 ^[8]	67,366.65	78,291
		MWh	2,215	11,043	16,709	18,713	21,747
Total fuel consumption within the organization from non-renewable sources							
	Total fuel consumption within the organization from non-renewable sources	GJ	62,677	70,927	70,039	69,762	-
		MWh	17,410	19,702	19,455	19,378	-
	- Gasohol	GJ	No Data	24,887	25,508	25,392	-
		MWh	No Data	6,913	7,086	7,053	-
	- Diesel	GJ	No Data	25,165	24,564	24,059	-
		MWh	No Data	6,990	6,823	6,683	-
	- LPG	GJ	No Data	20,100	19,967	20,311	-
		MWh	No Data	5,583	5,546	5,642	-
Total fuel consumption within the organization from renewable sources							
	Total fuel consumption within the organization from renewable sources	GJ	7,974	39,753	60,152.40	67,366.65	-
		MWh	2,215	11,043	16,709.0	18712.96	-
	- Solar Roof	GJ	2,155.38	39,753	55,296.40	62,127.27	-
		MWh	599	11,043	15,360.1	17257.58	-
	- Other Renewable Energy	GJ	No Data	No Data	4,856.00	5,239.38	-
		MWh	No Data	No Data	1,348.9	1455.38	-
Total purchased energy							
	Total purchased energy (Renewable energy + Non-renewable energy)	GJ	219,122	257,757	332,740	292,959	-
		MWh	60,867	71,599	92,428.22	81377.59	-
Total purchased renewable energy							
	Renewable Energy Certificate (REC)	GJ	N/A	6,851	65,078.00	40,601.50	-
		MWh	N/A	1,903	18,077	11278.20	-
Total purchased non-renewable energy							
	- Electricity purchased from EGAT, PEA, MEA	GJ	219,122	250,906	267,662	252,358	-
		MWh	60,867	69,696	74,351	70,099	-
GRI 302-2 (2016)	Energy Consumption Outside the Organization						
GRI 103-3 (2027)	Total energy consumption outside the organization	GJ	No Data	No Data	No Data	No Data	-
		MWh	No Data	No Data	No Data	No Data	-
	- Electricity consumption from third party (from upstream leased assets)	GJ	No Data	No Data	No Data	No Data	-
		MWh	No Data	No Data	No Data	No Data	-
	- Electricity consumption from third party (from downstream leased assets)	GJ	No Data	No Data	No Data	No Data	-
		MWh	No Data	No Data	No Data	No Data	-

	- Upstream Transportation and Distribution	GJ	No Data	No Data	No Data	No Data	-
		MWh	No Data	No Data	No Data	No Data	-
	- Downstream Transportation and Distribution	GJ	No Data	No Data	No Data	No Data	-
		MWh	No Data	No Data	No Data	No Data	-
	- Business Travel	GJ	No Data	No Data	No Data	No Data	-
		MWh	No Data	No Data	No Data	No Data	-
GRI 302-3 (2016)	Energy intensity						
GRI 103-4 (2027)	Energy intensity ratio inside the organization ^[3]	GJ/THB	No Data	No Data	No Data	No Data	-
		MWh/THB	No Data	No Data	No Data	No Data	-
	Energy intensity ratio outside the organization ^[3]	GJ/THB	No Data	No Data	No Data	No Data	-
		MWh/THB	No Data	No Data	No Data	No Data	-
GRI 302-4 (2016)	Reduction of energy consumption						
Amount of energy consumption reduction achieved through energy conservation and	GJ	No Data	No Data	No Data	No Data	-	
	MWh	No Data	No Data	No Data	No Data	-	

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)
- OR Acadamy (ORA)
- OASYS
- Café Amazon Coffee Bean Milling Plant in Mae Wang, Chiang Mai Province

[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.