



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 | - |
| | | MWh | 70,424 | 78,278 | 89,398 | 93,806 | - |
| | Total renewable energy consumption | GJ | 5,767 | 7,974 | 39,753 | 60,152.40 ^[8] | - |
| | | MWh | 1,602 | 2,215 | 11,043 | 16,709 | - |
| | 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.