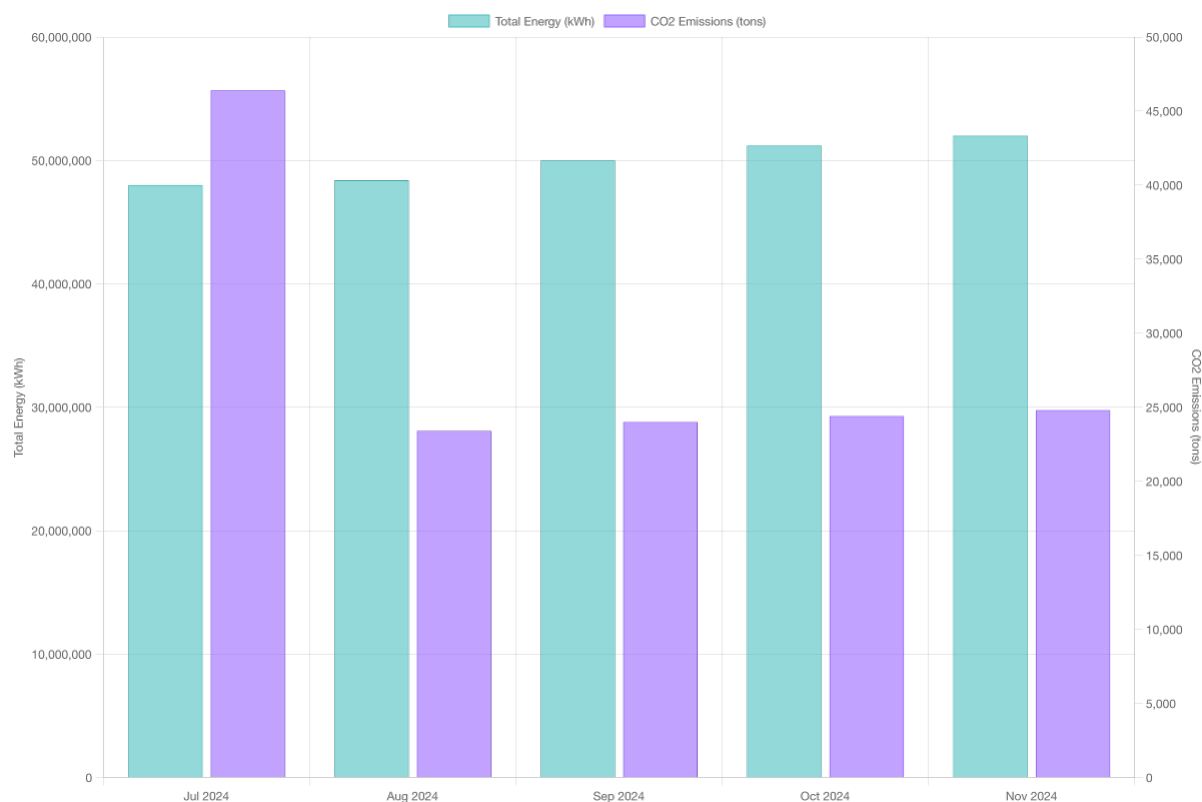


# Singtel Sustainability Report 2024

## Executive Summary

In 2024, Singtel's energy consumption reached a total of 249,601,444 kWh, while carbon emissions amounted to 143000.00 tons. This report provides an overview of Singtel's energy use and environmental impact, highlighting key trends in consumption and emissions.

## Data Overview



# Data Insights

## Cell Tower Energy Consumption Data

Date	Radio Equipment Energy (kWh)	Cooling Energy (kWh)	Backup Power Energy (kWh)	Misc Energy (kWh)	CO2 Emissions (tons)
Jul 2024	72.00	36.00	8.00	4.00	5800.00
Jul 2024	72.00	36.00	8.00	4.00	5800.00
Jul 2024	72.00	36.00	8.00	4.00	5800.00
Jul 2024	72.00	36.00	8.00	4.00	5800.00
Aug 2024	73.00	35.00	10.00	3.00	N/A
Aug 2024	73.00	35.00	10.00	3.00	N/A
Aug 2024	73.00	35.00	10.00	3.00	N/A
Aug 2024	73.00	35.00	10.00	3.00	N/A
Sep 2024	72.00	34.00	8.00	6.00	N/A
Sep 2024	72.00	34.00	8.00	6.00	N/A
Sep 2024	72.00	34.00	8.00	6.00	N/A
Sep 2024	72.00	34.00	8.00	6.00	N/A

## Data Center Energy Consumption Data

Date	Data Center ID	IT Energy (kWh)	Cooling Energy (kWh)	Backup Power Energy (kWh)	Lighting Energy (kWh)	CO2 Emissions (tons)
Jul 2024	1	3900.00	5400.00	1200.00	1500.00	5800.00
Jul 2024	1	3900.00	5400.00	1200.00	1500.00	5800.00
Jul 2024	1	3900.00	5400.00	1200.00	1500.00	5800.00
Jul 2024	1	3900.00	5400.00	1200.00	1500.00	5800.00
Aug 2024	2	3950.00	5450.00	1200.00	1500.00	5850.00
Aug 2024	2	3950.00	5450.00	1200.00	1500.00	5850.00
Aug 2024	2	3950.00	5450.00	1200.00	1500.00	5850.00
Aug 2024	2	3950.00	5450.00	1200.00	1500.00	5850.00
Sep 2024	3	4000.00	5500.00	1200.00	1800.00	6000.00
Sep 2024	3	4000.00	5500.00	1200.00	1800.00	6000.00
Sep 2024	3	4000.00	5500.00	1200.00	1800.00	6000.00
Sep 2024	3	4000.00	5500.00	1200.00	1800.00	6000.00
Oct 2024	4	4200.00	5600.00	1300.00	1900.00	6100.00
Oct 2024	4	4200.00	5600.00	1300.00	1900.00	6100.00
Oct 2024	4	4200.00	5600.00	1300.00	1900.00	6100.00
Oct 2024	4	4200.00	5600.00	1300.00	1900.00	6100.00
Nov 2024	5	4300.00	5700.00	1300.00	2000.00	6200.00
Nov 2024	5	4300.00	5700.00	1300.00	2000.00	6200.00
Nov 2024	5	4300.00	5700.00	1300.00	2000.00	6200.00
Nov 2024	5	4300.00	5700.00	1300.00	2000.00	6200.00

## Recommendations

To reduce energy consumption and carbon emissions, Singtel should consider increasing investments in renewable energy sources, improving energy efficiency in data centers, and implementing sustainable cooling technologies.

## Conclusion

Singtel's energy consumption and carbon emissions remain significant, but there are several opportunities for improvement. By investing in renewable energy and improving energy efficiency, Singtel can reduce its environmental footprint while continuing to grow.