

Tabel 18. Performance of GHG Emission Reduction in 2025 Compared to the 2023 Base Year*

[GRI 102-4 305-5]

Metrik	Telkom	Telkomsel	Mitratel	Telin	TDE	Other Subsidiaries	TelkomGroup
Increase or decrease in Scope 1 emissions compared to base year 2023 (tCO ₂)	-20,384.7	-5,506.2	-2,788.5	-3,021.6	2,115.9	-8,076.8	-37,661.9
Increase or decrease in Scope 1 emissions compared to base year 2023 (%)	-80.2	-27.7	-72.5	-92.3	587.8	-26.1	-45.0
Increase or decrease in Scope 2 emissions compared to base year 2023 (tCO ₂)(Location-based)	-47,815.7	255,169.5	-22,662.5	-49,819.3	36,583.2	-14,364.8	157,090.4
Increase or decrease in Scope 2 emissions compared to base year 2023 (tCO ₂)(Market-based)	-13.8	17.4	-65.2	-87.7	48.3	-32.4	7.8
Increase or decrease in Scope 2 emissions compared to base year 2023 (Location-based)(%)	-77,574.8	255,169.5	-22,662.5	-49,819.3	23,916.6	-14,364.8	114,664.7
Increase or decrease in Scope 2 emissions compared to base year 2023 (Market-based)(%)	-22.4	17.4	-65.2	-87.7	31.6	-32.4	5.7
Increase or decrease in Scope 3 emissions compared to base year 2023 (tCO ₂)	780,123.4	830,150.2	338.7	-45,935.9	2,003.0	66,870.1	1,633,549.5
Increase or decrease in Scope 3 emissions compared to the base year 2023 (%)	1,336.7	583.5	1.4	-90.0	15.0	149.2	489.1
Increase or decrease in Scope 1 & 2 emissions compared to base year 2023 (Location-based)(tCO ₂)	-68,200.4	249,663.3	-25,451.0	-52,840.9	38,699.1	-22,441.7	119,428.5
Increase or decrease in Scope 1 & 2 emissions compared to base year 2023 (Location-based)(%)	-18.3	16.8	-66.0	-88.0	50.9	-29.8	5.7
Increase or decrease in Scope 1 & 2 emissions compared to base year 2023 (Market-based)(tCO ₂)	-97,959.4	249,663.3	-25,451.0	-52,840.9	26,032.4	-22,441.7	77,002.7

Metrik	Telkom	Telkomsel	Mitratel	Telin	TDE	Other Subsidiaries	TelkomGroup
Increase or decrease in Scope 1 & 2 emissions compared to base year 2023 (Market-based)(%)	-26.3	16.8	-66.0	-88.0	34.2	-29.8	3.7
Total emission increase or decrease compared to base year 2023 (Location-based) (tCO2)	711,923.0	1,079,813.5	-25,112.3	-98,776.8	40,702.1	44,428.4	1,752,978.0
Total increase or decrease in emissions compared to base year 2023 (Location- based)(%)	165.3	66.3	-40.0	-88.9	45.5	37.0	71.8
Total emission increase or decrease compared to base year 2023 (Market-based) (tCO2)	682,164.0	1,079,813.5	-25,112.3	-98,776.8	28,035.4	44,428.4	1,710,552.2
Total increase or decrease in emissions compared to base year 2023 (Market-based) (%)	158.4	66.3	-40.0	-88.9	31.4	37.0	70.0

* The minus notation (-) indicates that in 2025, there will be a decrease in emissions compared to 2023. An explanation regarding the background of this increase or decrease is elaborated in the Low Carbon Transition section.

Details of the issuance for each Subsidiary are presented in [Appendix 2](#)