2.2.1/2.2.2							
Items	2019	2020	2021	2022*	2022 GHG emission target	Description	Difference between target and outcome
Scope1-Direct GHG emission(t-CO2e)	6,327.10	5,558.37	6,177.80	5,331.63	6,107.79	TNM draws an internal carbon reduction curve and adjusts the annual performance target based on the growth of 56 elettricity consumption and our REIDO plan, maintaining to reduce absolute Scope 1 & 2 meissions 300% by 2030 compared with 2019. Due to the rise in mobile data traffic and Internet Data Center users, TNM devotes to increase renewable energy procurement, and setting Scope 1 & 2 emissions reduction target to be 0.5%	-12.71%
Scope2-Indirect GHG emission(t-CO2e) (Location Based)	229,792.43	235,146.95	269,124.54	282,140.61	266,074.81	TVMM draws an internal carbon reduction curve and adjusts the nanual performance target based on the growth of 56 elettricity consumption and our REIDO plan, maintaining to reduce absolute Scope 1 & 2 meissions 300% by 2030 compared with 2019. Due to the rise in mobile data traffic and Internet Data Center users, TVM devotes to increase renewable energy procurement, and setting Scope 1 & 2 emissions reduction target to be 0.5%	6.04%
Scope2-Indirect GHG emission(t-CO2e) (Market Based)	229,611.74	235,146.95	269,124.54	282,096.83	266,074.81	TVMM draws an internal carbon reduction curve and adjusts the nanual performance target based on the growth of 56 elettricity consumption and our REIDO plan, maintaining to reduce absolute Scope 1 & 2 emissions 300% by 2030 compared with 2019. Due to the rise in mobile data traffic and Internet Data Center users, TVM devotes to increase renewable energy procurement, and setting Scope 1 & 2 emissions reduction target to be 0.5%	6.02%
Total GHG emission(t-CO2e) (Location Based)	236,119.53	240,705.32	275,302.34	287,472.24			
Total GHG emission(t-CO2e) (Market Based)	235,938.84	240,705.32	275,302.34	287,428.46	272,182.60		
*Note:							

	2019	2020	2021	2022
Scope 1	2.68%	2.31%	2.24%	1.85%
Scope 1	2.0070	2.3270	2.2470	2.0370
Scope 2	97.32%	97.69%	97.76%	98.15%
Total	100.0%	100.0%	100.0%	100.0%

TWM generated 26.05 million KWh renewable energy in 2022. These actions are from "Direct Supply" and "Wheeling". We follow the GHG Protocol Scope 2 Guidance to disclose the Scope 2 emission by "Location Based" and "Market Based". And the performance of GHG emission will be reviewed by "Market based".

2022	
Scope1+2 targ	272,182.60
Scope1 target	6,107.79
Scope2 target	266,074.81

TWM'	s internal carbo	n reduction cu	rve		Scope2	talqet	266,074.81						
	290,000			275302.3413	273550.3508		_	TWM's internal carbo	on reduction curve	-RE100 pathw	ıy		
	270,000			275302.3413	272182.5991	264443.1885	257019.8703						
	250,000	235939	240705.3506		272102.3331	256509.8929							
	230,000	235939	240705.3506				249309.2741	225711.0336	210024.4996				
	5 210,000							221196.8129	210024.4990	206763.982	204953.4732	200063.5198	193677.7802
	190,000								198547.4599				
	170,000									191152.1746	183412.0546	174439.152	
	150,000											174433.132	165157.3
		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
							Yea	r					