

2.5.9 Financial Opportunities Arising from Climate Change

NO	2024	revenue (Million-NTD)	developing cost (Million-NTD)	Description of product(s)	Type (avoided emissions / low carbon product)	Level of aggregation	Estimated total avoided emissions per year		Comment
1	MySports	-	-	Provides exercise record and online challenge function, enterprise employee can check & manage their data in mySports APP · so that the keep good exercises can be achieved.	avoided emissions product	Product	47.21	ton-CO2e	calculated item: Record the exercise's calories via APP
2	TAMedia	219.70	3.40	TAMedia specializes in analyzing telecom data and applying precision advertising technologies to effectively deliver brand messages to the right audiences. This not only improves advertising performance but also helps reduce unnecessary energy consumption. In addition, we actively promote automation in our workflows to reduce the reliance on paper-based materials traditionally used in advertising, contributing to energy conservation, forest protection, and climate change mitigation.	avoided emissions product	Product	-	ton-CO2e	
3	Taiwan Mobile APP	-	-	Taiwan Mobile App is a self-service platform offering users a wide range of practical and diverse features. Through the app, users can conveniently manage and modify various services online, including bill inquiry and payment, unbilled usage check, contract inquiry and renewal, roaming service application, and prepaid card top-up. The app also provides subscription access to multiple digital services such as Disney+, HBO Max, and Apple services. With a simple and intuitive interface design, Taiwan Mobile App aims to help users easily stay informed about the latest updates on their mobile numbers and quickly find the features and promotions they need. (TWM App is free-to-use for customers, which doesn't generate revenue.)	avoided emissions product	Product	136.39	ton-CO2e	Comparing to 2023, there were 232,028 more transactions made in 2024 for services of "data roaming plan applications", "rate plan renewals", and "prepaid card top-ups". It led to a reduction of 136,390 kgCO2e.
4	E-bill	673	-	TWM has been promoting e-billing services to replace physical bills with e-mails or text messages since 2008. It saved 284.03 million A4-paper sheets and 2,618 metric tons of CO2 emissions generated instead of sending physical bills in 2024. And also, it resulted in a cost reduction of NT\$673million in 2024.	avoided emissions product	Product	2,618.00	ton-CO2e	
5	myfone online	1.04	-	• Online Insurance: When customers place an order in myfone online, we offer a variety of insurance options for 3C products, including Burglary insurance, Damage insurance, and Screen insurance. Our customers can apply for insurance online easily. All they need to do is click the checkbox. In 2024, we fulfilled 34,818 insurances policies. • Online or FamiPort identity Verification: When customers apply cellphone plan in eStore, we offer convenient identity verification options: either online or via the FamiPort machine. This eliminates the need to deliver agreements for customers to sign in person. In 2024, we fulfilled 4,900 plans using this method.	low carbon product	Product	5.0	ton-CO2e	In 2024, our paperless application forms saved 94,000 pieces of A4 paper, and online or FamiPort identity verification reduced delivery distances by 24,500km. Together, these initiatives resulted in a total reduction of 5.0 tons of CO2e emissions.
6	M+	13	3.9	M+ is an integrated enterprise communication and collaboration platform that enables digital transformation and supports low-carbon operations. It provides secure tools such as video conferencing, instant messaging, calendars, file sharing, and automation bots to facilitate remote and hybrid work. M+ also offers video recording, identity verification, and data encryption, making it suitable for regulated industries. By reducing in-person meetings and commuting, M+ helps improve efficiency and lower carbon emissions.	avoided emissions product	Product	596.88	ton-CO2e	M+ contributes to climate mitigation through two scenarios: 1. Instant Messaging: On average, 8,141,159 messages are sent monthly by enterprise users. Assuming 1,000 messages replace one paper/email-based task (1 kg CO2e), this avoids 8.14 tCO2e/month. 2. Video Conferencing: In 2024, 2,496 meetings were held via M+, replacing in-person meetings. Each physical meeting generates 0.2 tCO2e, totaling an estimated 499.2 tCO2e/year avoided. These models reflect M+'s support for digital communication, reduced business travel, and low-carbon operations.
7	Solar and wind energy	1.04	-	In 2024, 316.8KW of the green energy generators have been contracted out and started to generate power providing green power for our base stations and data center.	low carbon product	Product	181	ton-CO2e	The use of self-generated renewable energy reached 366,000kWh in 2023 , and the carbon emissions were reduced by 181 tons.
8	Data Center with energy saving design	465	-	The cloud data center saves 28,666 kWh in Y24, and the energy-saving designs of Hot/Cold Aisle Containment system, free cooling with specialized HVAC equipment (such as chillers, cooling towers, ventilation fans, etc.), and IR control LED lighting system and the ISO50001 system is used for energy consumption control operation. The annual average PUE of the data center dropped from 1.629 in Y23 to 1.628 in Y24 and saves 12.3 ton CO2e emissions.	low carbon product	Product	12.30	ton-CO2e	
9	Direct carrier billing(DCB)	1,177	154	1. DCB provide user to buy the APP through Mobile telecom Billing. It also provides e-Bill function so customers can pay the bill online instead of traditional paper bill. 2. More than 3.5M registered users apply for this service	avoided emissions product	Product	292.80	ton-CO2e	
10	My Charge	1.4	29.9	Taiwan Mobile launched MyCharge, an electric vehicle charging service, offering one-stop solutions for EV charging site planning, installation, operations, and customer support. Leveraging telecom expertise and big data, MyCharge strategically deploys high-efficiency chargers in offices, malls, hotels, and residential areas. In partnership with USPACE, users can easily parking and charging via a single app. MyCharge integrates EV charging with telecom services to deliver a smart, convenient, and sustainable charging experience, supporting Taiwan' s transition to net-zero mobility.	avoided emissions product	Product	159.00	ton-CO2e	Calculated based on an average electric vehicle (EV) travel distance of 5 kilometers per 1 kWh of electricity consumed, Taiwan's Corporate Average Fuel Economy (CAFE) standard for fuel-powered vehicles at 20.9 km/liter, and the EPA's CO2 emission factor of 2.37 kg per liter of gasoline.
11	MyVideo	277	205	MyVideo is an online video streaming service. Online streaming can reduce the demand for physical plastic discs, the quantity of paper needed to print covers, and all associated carbon emissions. MyVideo also eliminates the need for physical product transportation, including repackaging goods for stores or warehouses, logistics operations, and all associated carbon emissions.	low carbon product	Product	10,628.36	ton-CO2e	compare with Physical DVD selling
12	Fleet Manager	2.88	1.02	Enables more efficient fleet management and fuel efficiency.	avoided emissions product	Product	-169	ton-CO2e	Because of the good vehical driving route and idle vehical management,we have been reduced fuel consumption and carbon emissions.
13	Broadband	33	-	Broadband enables ICT applications and low-carbon solutions, which assists in the overall low-carbon transformation.	avoided emissions product	Product	-	ton-CO2e	Because users use our services, this helps them reduce their carbon emissions.
14	Cloud-based AI Energy Management System	1.52	-	1. By building up IoT sensors in electronic devices, user can monitor real time energy consumption via computer or mobile app. 2. Transforming engery statistics into visualization user interface, Increasing management efficiency and achieving environmental benefits by reducing energy consumption.	avoided emissions product	Product	35.28	ton-CO2e	calculated items: (1) This system help reducing 74,427 kWh. (2)According to Bureau of Energy, the CO2 discharge coefficient in 2024 is 0.474 CO2E kg/kWh (3) 74,427*0.474=35,278(CO2E kg)
	total (Million-NTD)	2,865	397			total (ton-CO2e)	11,925.03	ton-CO2e	

Dominator revenue in 2024(Million-NTD)

90,746

3.16%

% of total revenues from avoided emissions product in FY 2024

2.34%

Estimated total avoided emissions from avoided emissions product in FY 2024

1,098.56

% of total revenues from low carbon product(s) in FY 2024

0.82%

Estimated total avoided emissions from low carbon product(s) in FY 2024

10,826.47