# 2023

# Task Force on Climate-Related Financial Disclosure





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In response to climate change becoming one of the major global risk issues, the Task Force on Climate-related Financial Disclosure (TCFD) established by the Financial Stability Board (FSB) issued the Report on Climate-related Financial Disclosure Suggestions in 2017, and the Financial Supervisory Commission issued "Guidelines for Financial Disclosure of Climatic Risks of Domestic Banks" at the end of 2021.

In accordance with the framework of the Guidelines. UBOT continues to deepen our disclosure of the implementation of four aspects including governance, strategy, risk management, indicators and targets under climate change.

# 01 Governance d

### a. Board of Directors and management in the Climate Governance Framework

- 1 In order to ensure the implementation of corporate social responsibility, sustainable two committees are responsible for relevant issues respectively.
- 2 The ESG Committee is responsible for coordinating UBOT's sustainable development policies, management guidelines and specific promotion plans, and reports their implementation status annually to the Board of Directors. The ESG Committee has an Environmental Sustainability Team, whose functions include environmental sustainability policy, corporate decarbonization management, green procurement, environmental sustainability propaganda and supply chain management. The convener of the team could invite relevant units to participate in its work based on its functions.
- 3 The Asset and Liability and Risk Management Committee is responsible for reviewing and inspecting management reports or information proposed by various business management units and the Risk Management Department. In addition to the Chairman, its members also include the General manager, Deputy General Manager, supervisors of Head Office's business management and risk management units.
- 4 The Risk Management Department is responsible for planning and coordinating the financial disclosures related to climate change, and reporting relevant information on climate change risk issues to the Board of Directors annually.

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development policy and climate change risk management, UBOT established the "Sustainable Development Committee" (ESG Committee) under the Board of Directors and the "Asset and Liability and Risk Management" under the Chairman of the Board. The

#### b. Rights and responsibilities of the risk management organization

**Board of Directors** This is the supreme decision-making unit of UBOT's risk management policy, being responsible for reviewing and verifying UBOT's overall risk policies, limits, organization structure and attribution of rights and responsibilities.

#### **Asset and Liability** and Risk Management Committee

It is responsible for reviewing and inspecting management reports or information proposed by various business management units and the Risk Management Department, so as to maintain the risk management effectiveness of the whole Bank.

#### **Risk Management Department**

It is an independent dedicated risk management unit, which is responsible for inspecting the risk management mechanism formulated by various business management units and their control conditions, preparing risk control reports to be submitted to the Board of Directors and the Asset and Liability and Risk Management Committee, and planning and establishing various measurement tools of risk control.

#### Various business management units

Formulate management regulations, processes and control mechanisms according to business their mainly responsible for, appropriately manage and supervise various business units to carry out necessary management.

#### c. Management policy

- UBOT formulated the "Criteria for Management of Climatic Change and Environmental 1 Sustainability Risks" under the "Risk Management Policy," specifying that UBOT shall abide by relevant laws and regulations related to climate, energy and environmental protection, implement and disclose greenhouse gas inventory, water consumption and waste management and statistics, formulate related policies and improve education and promotion to strengthen employees' awareness of energy saving, disclose governance condition of climate risks and opportunities regularly, identify and evaluate relevant risks and the goals used for evaluating relevant topics.
- 2 UBOT's Sustainable Development Best Practice Principles requires it to comply with environment-related laws and regulations, as well as relevant international norms, and protect the natural environment as appropriate. Moreover, in the implementation of operational activities and internal management, UBOT shall be committed to the goal of environmental sustainability. UBOT shall assess the potential risks and opportunities of climate change and take relevant countermeasures. UBOT shall adopt common standards or guidelines at home and abroad, implement enterprise greenhouse gas inventory and make disclosure and statistics of greenhouse gas emissions, water consumption and total waste weight, formulate various policies on energy conservation and carbon reduction, greenhouse gas reduction, water consumption reduction or other waste management, incorporate the acquisition of carbon emission rights into the its carbon reduction strategy planning, and promote relevant work based on this, so as to reduce the impact of its business activities on climate change.

- 3 UBOT's "Energy and Environmental Management Policy" stipulates that it shall "abide by laws management performance and build a sustainable business environment," "implement mark to reduce waste of water resources." and "comply with waste sorting and resource recycling and reuse."
- 4 UBOT's "Supplier Management Policy" requires that UBOT shall work together with sustainability. When signing the contract, they shall sign and abide by the "Commitment Letter by UBOT.

## 02

#### Various business units

They are responsible for making daily business management in accordance with the management regulations and measures formulated by UBOT's various management units, and confirming the correctness and integrity of all operational data.

and regulations related to energy and environmental protection," "support energy conservation and carbon reduction, and continue to implement green procurement," "pay attention to education and promotion to strengthen employees' awareness of energy saving," "improve greenhouse gas reduction and disclose related data," "use products with the water-saving

our suppliers to implement corporate social responsibility and promote environmental on Compliance with CSR, Ethical Management and Legal Provisions," and jointly abide by the environmental sustainability policy or relevant environmental protection measures promoted

#### d. Enhance climate-related expertise and capabilities

1 In order to actively acquire new knowledge about climate trends, enhance staff awareness of climate change issues, and improve corporate culture, UBOT's members of the Board of Directors, senior managers, relevant personnel of Head Office's business units and risk management units continued to actively participate in various projects, seminars, presentations and training courses.

- 2 UBOT has appointed a dedicated environmental management staff in the General Affairs sustainability, making disclosure of greenhouse gas inventory information in accordance greenhouse gas emission inventory personnel in all units of the entire bank.
- 3 In 2023, a total of 28 training sessions were conducted by UBOT, which saw the participation of 679 people undergoing training for 180 hours in total.

Participant	Number of session	Cumulative number of employees	Total training hours	Primary content
Board members Senior executives and staff from various units at the head office	3	11	9	<ul> <li>Opportunities and challenges in the financial sector, trends in surof responsible investment practices, development trends concerbanking sector under the pathway to net-zero emission by 2050.</li> <li>Climate-related financial disclosure (TCFD) report, biodiversity, a (TNFD)</li> <li>Sustainable Development Action Plans for TWSE- and TPEx-lister governance and ESG promotion measures in the near future.</li> </ul>
Relevant personnel at various business units across UBOT or business units under the head office and risk management units	20	60	163.8	<ul> <li>Introduction to climate risks, response strategies, experiences a management practices, and international development trends; b S2 Sustainability Accounting Standards.</li> <li>Innovative applications of digital technology in sustainable finant.</li> <li>Green and sustainable finance risk management.</li> <li>Net-zero risks/opportunities and how to deal with them.</li> <li>International development trends in greenhouse gas issues, as w and calculation.</li> </ul>
Personnel at the head office (including senior management personnel) and various business units	5	587	7.5	<ul> <li>ISO 50001 and ISO 14001 energy management system manager related education and training programs.</li> <li>Education and training on the ISO 14064 Standards for Greenhor</li> </ul>

Department, who is responsible for promoting measures related to environmental with the "Sustainable Development Roadmap of TWSE- and TPEx-listed Companies" made by the Financial Supervisory Commission, and conducting education and training for

stainable finance disclosure, sharing rning climate stress testing in the

and nature-related financial disclosure

ed Companies, as well as corporate

nd challenges in promoting iodiversity and TNFD, and IFRS S1 and

nce.

well as carbon footprint management

ment review meetings, as well as

use Gas Inventories.

# 02 Strategy



#### b. Climate risks and opportunities

1 Types of climate risk



### **1** Physical risk

Physical risk refers to the direct or indirect impact of extreme weather events on banks that may result in the destruction of fixed assets, disruption of operations, impairment of production, and potential changes in asset value.

**a.** As the impact of extreme weather intensifies globally, relevant transnational initiatives and national governments have proposed various climate adaptation and mitigation measures. Sustainable development has become the primary goal of the current global economic transition. In line with the Sustainable Development Goals of United Nations, UBOT aims to use our influence to provide climatic finance products and services and enhance the climate adaptation capability of our customers. In addition, it would take practical actions to support Taiwan green energy, implement carbon reduction, and continuously commit to the sustainable development of enterprises. UBOT's strategy is as follows:

### Moving towards net-zero emission

UBOT is actively managing our daily operational activities to conserve energy and reduce carbon emissions, with a view to achieving the goal of net-zero

### Supporting Low Carbon **Economic Activities**

UBOT develops and implements potential business opportunities and related financial benefits arising from climate change, while effectively managing associated risks. Our services include assisting clients in their transition to a low carbon economy, supporting the development of low carbon technologies, and promoting climate financial products and services.



In order to achieve the global warming control objectives outlined in the Paris Agreement, countries worldwide are considering the implementation of net zero carbon emission targets. This could involve the introduction of measures such as taxation and stricter regulations aimed at curbing carbon emissions. However, these actions may have potential implications for businesses, including reduced revenue and increased costs.



## **3** Climate opportunities

In order to mitigate or adapt to the impacts of climate change and considering the market development potential, UBOT, as a financial service provider, may develop diversified business opportunities, such as encouraging the research and development of electric vehicles or promoting low-carbon means of transport, implementing green procurement, as well as providing green investment, financing, products and services.

#### **2** Transition risk

#### 2 Short-, medium-, and long-term climate risks and opportunities

In order to comprehend the impact of climate change risks and opportunities on UBOT and UBOT's response measures, these items are explained in the following table:

Type of risk	No.	Description	Impact period	Corresponding risks	Impact on business or finances	Response mea
	1	Impact of extreme weather on UBOT's business locations	Short- and long-term	Operational risk	Extreme weather events, such as typhoons, floods, or long-term sea level rise, can cause regional power outages, water shortages, and communication disruptions. This can lead to the risk of business operation interruptions and the associated costs of recovery.	<ol> <li>To ensure the backup of core information the establishment of emergency response units conduct regular safety and securi- are continuously reviewed and improve to mitigate the risk of property damage</li> <li>By conducting a self-assessment of op effectiveness of control measures and assessment results if necessary.</li> </ol>
Physical risk	2	Impact of extreme weather on UBOT's real estate collaterals	Short- and long-term	Credit risk	Extreme weather events, such as typhoons, floods, or long-term sea level rise, have led to a decline in the value of UBOT's real estate collateral, thereby increasing UBOT's credit risk.	UBOT's appraisal standards stipulate that disasters, floods and droughts or adverse the matters requiring attention, and speci whereas real estate collaterals such as th areas for slope hazards, and high potention the appraisal report.
	3	Impact of extreme weather on customers' operations or revenue	Short-, medium-, and long-term	Credit risk and market risk	Extreme weather events, such as typhoons, floods, or long-term sea level rise, can have a detrimental effect on the operations and income of our investment and financing customers, thereby impacting their ability to make repayment.	<ol> <li>Keep a close eye on the operational and consistently enhance due diligence inverte</li> <li>Assist customers impacted by natural of efforts by providing the necessary fund minimizing the impact on UBOT's earning</li> </ol>
Transition	1	Cost implications of carbon reduction and compliance arising from policies and regulations.	Short- and medium-term	Operational risk	In response to the Climate Change Response Act, UBOT will incur additional costs for carbon reduction measures, such as carbon tax and carbon pricing, as well as penalties for non-compliance.	<ol> <li>Establish relevant energy-saving goals equipment that is labeled with energy-s material labels, and eco labels.</li> <li>As part of the Ministry of Economic Aff System Demonstration and Promotion management systems in all five of our have successfully completed greenhout</li> <li>Evaluate the effectiveness of control m operational risk control, and develop all results if required.</li> </ol>
risk	2	Customers' exposure to risks related to carbon reduction and sustainable transformation.	Short-, medium-, and long-term	Credit risk and market risk	The repayment capacity of investment and financing clients has been affected by additional costs resulting from policy and regulatory transformation, as well as a decline in revenue due to untimely transformation.	Pay close attention to the operations and strengthen due diligence investigations a remain vigilant about relevant regulatory timely manner to assist customers in low

ion equipment, power, and network, as well as nse operating procedures for disasters, business ity education training and drills. These measures ed. Furthermore, insurance coverage is in place e resulting from extreme weather disasters.

perational risk control, UBOT evaluates the develop alternative action plans based on the

t credit grantees that are susceptible to wind e geological conditions shall be included in ial attention shall be paid to their risk control; hose located in high flood risk areas, high risk al areas for soil liquefaction shall be detailed in

d financial condition of customers and estigations and control measures for customers.

disasters in their restoration and reconstruction ding for post-disaster restoration while ings.

and prioritize the procurement of energy-saving saving labels, water-saving labels, green building

fairs' "Service Industry Energy Management Program," UBOT has implemented ISO energy buildings. Additionally, all units within UBOT use gas inventory and certification.

neasures by conducting a self-assessment of Iternative action plans based on the assessment

financial condition of customers, continuously and control measures for customers, as well as disclosures and provide working capital in a *i*-carbon transition.

	No.	Description	Impact period	Impact on business or finances	Response me
	1	Enhance energy efficiency in UBOT's business locations	Short-, medium-, and long-term	By replacing outdated energy-consuming products, implementing energy-saving and power-saving products, and promoting energy-saving measures, UBOT is able to reduce our operating costs.	<ol> <li>Switch to LED light bulbs, replace of Economic Affairs Energy Burea System Demonstration and Prom temperature during summer, and electricity.</li> <li>Ensure that green building materi materials used in the renovation of</li> </ol>
Climate opportunities	2	Promote a variety of online services and paperless initiatives.	Short- and medium-term	Promote digital transactions and various online services, enhance operational efficiency, achieve the benefits of going paperless, and reduce operating costs for UBOT.	Provide digital deposit accounts, or promote electronic billing and insur procedures to achieve energy conse
	3	Issue low-carbon financial products or services.	Short- and medium-term	By developing and promoting low-carbon products and services, we can improve consumers' perception of our brand, leading to increased profitability.	<ol> <li>Issue green credit cards made fro virtual cards, and encourage cust through UBOT's official website.</li> <li>Introduce ESG or low-carbon spee demand of investors.</li> </ol>
	4	Promote green and sustainability loans and investment products.	Short-, medium-, and long-term	Provide green and sustainability loans and invest in green/ sustainability bonds, with the intention of encouraging businesses to adopt sustainability-related practices and enhancing UBOT's revenue.	<ol> <li>Provide green credit (including relectric (or hybrid) vehicle loans, l and invest in green bonds, sustain</li> <li>Plan to formulate the "Key Points aimed at encourage companies to indicators they are committed to conditions, so as to assist compa- sustainability transitions.</li> </ol>
	5	Respond to energy conservation advocacy campaigns and programs	Short-, medium-, and long-term	Corporate image is an intangible asset of the company. If we can jointly respond to energy conservation initiatives with our customers and neighboring businesses to save energy expenditure, it will have a positive impact on corporate finance	Enhance corporate image by respor Day", "World Environment Day" and participating in the "Green Procuren program organized and promoted b

## <u>06</u>

#### neasures/ Climate actions

ce old air conditioners, participate in the Ministry eau's "Service Industry Energy Management motion Program," control indoor air conditioning d promote energy-saving measures to conserve

erials account for more than 45% of the building n of UBOT's dormitory buildings.

online loan application service, as well as urance policies, and optimize internal operating servation and carbon reduction.

from environmentally friendly materials and stomers to engage in green consumption

ecific investment trust products to meet the

renewable energy loans, green building loans, s, loans for green and related industries, etc.), ainability bonds, and solar power plants.

ts to the Sustainability-linked Loan Business," to achieve the sustainability performance o by offering more favorable interest rate panies and industries in low-carbon and

onding to the global "Earth Hour", "World Earth d other energy-saving initiatives, as well as ement for Private Enterprises and Organizations" l by the Executive Yuan. TCFD

# **Climate Risk**

and

# **Opportunity Matrix**







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# 03 Climate Risk r Management

**a.** UBOT conducts climatic risk management through the three-defense-line framework of internal control, which includes the internal audit system, self-audit system, legal compliance system, and risk management mechanism. Among them, self-audit constitutes the first defense line, compliance with law and risk management constitute the second defense line, and internal audit constitutes the third defense line In order to enable effective and proper operation of the internal control system, the first and the second defense lines perform risk monitoring, and the third defense line performs independent monitoring so the three defense lines perform their own functions.



**b.** The "Risk Management Policy" formulated by UBOT is the highest management principle of risk management at UBOT, which includes the "Criteria for Management of Climatic Change and Environmental Sustainability Risks" and our risk management process includes risk identification, risk measurement, risk monitoring, risk reporting and other procedures.

	<u> </u>
Identification	Meas
Climate-related risks and opportunities are identified by referencing domestic and international	Measu carried probal rence risks i respon their le
climate-related risk reports and	and th risks o
documents.	busine

urement

ements a<u>re</u> out on the of climate-related ntified by each ibility unit and el of impact, impact of these uBOT's s or finances.

- **c.** For the direction of our credit granting policy, UBOT shall support alternative energy and water resources, environmental protection and pollution control, and other green industries, as well as assist credit grantees in transition to decarbonization, while our credit-awarding audit shall place special emphasis on circumstances such as significant negative impact of enterprise operation on environmental protection, or violation of environmental protection laws and regulations. Furthermore, with the intention of guiding our customers to pay serious attention to sustainabilityrelated issues and to fulfill CSR so as to achieve the goal of sustainable development jointly realized by both enterprises and UBOT, UBOT plans to formulate the "Key Points to the Sustainability-linked Loan Business," which links the overall performance of our corporate customers in the area of sustainable development to the terms and conditions of credit facilities, with the aim of encouraging companies to achieve the sustainability performance indicators they are committed to by offering more favorable interest rate conditions, so as to assist companies and industries in low-carbon and sustainability transitions.
- **d**. For the investment business, UBOT takes into consideration ESG or projects with high climate risk factors in a progressive manner, which is detailed as follows:
  - currency-denominated debt instruments:

UBOT has put in place an ESG assessment and review process for investments in New Taiwan dollar-denominated corporate bonds (including financial bonds) and underwriting of non-guaranteed commercial papers, which is explained as follows. Before making such an investment, ESG is incorporated in the review and appraisal process, where investment caps are applied based on the appraisal grading scale. After making such an investment, the ESG situation is reviewed regularly. If the issuing company is in a high-emitting industry, the company is required to disclose its carbon reduction plan. Investment caps on the aforesaid instruments and foreign currencydenominated bonds have also been put in place against high-emitting industries.

2 The following additions have been made in the first quarter of 2024:

#### Monitoring

impact of c**l**imate-reated risks, each responsible unit formulates or develops relevant measures and carry out monitoring on an ongoing basis.

#### Reporting

Each responsible unit regularly reports the relevant monitoring results to the supervisor in charge, while the Risk Management Department regularly reports information related to climate change risk issues to the Asset and Liability and Risk Management Committee and the Board of Directors.

1 Investment in New Taiwan dollar-denominated bills and bonds, as well as foreign

#### Investment in TWSE- and TPEx-listed equity instruments

For investments in equity instruments not held for trading, ESG scores shall be used as a reference indicator before making such an investment; if the aforesaid scores are not available, the results of the Taiwan Corporate Governance Evaluation can be use in place of these scores. If both sets of indicators are unavailable or below the threshold, the investment cap shall be adjusted, while the reason for such an adjustment has to be detailed in a written report; moreover, the ESG situation of the investment shall be reviewed on a regular basis. In addition, UBOT has also set out the industries to be avoided when making such investments, which is listed as follows: fur trading, pornography, illegal weapons manufacturing, logging in tropical rainforest, manufacture of asbestos cement tiles or other asbestos products, gillnet fishing, and manufacture of drugs or radioactive substances (excluding those for medical purposes).

#### 2 Investment in foreign currency-denominated bonds

ESG shall be included in the investment appraisal process, where ESG score items shall be reviewed before making such an investment, while the investment cap shall be adjusted according to the grading results in the appraisal process and also reviewed on a regular basis. If the subject matter in the investment is a sovereign bond, it is a must to disclose in the checklist whether the country that issues the bond has a carbon reduction program in place. If the subject matter in the investment is a corporate bond or a financial bond, it is a must to disclose whether the company that issues the bond has set a net-zero emission target.

e. A dedicated unit in charge of energy and environmental management shall establish appropriate energy and environmental management system in accordance with attribute of the banking industry, including green management policy, corporate decarbonization management, green procurement, energy certificate subscription, supply chain management, resource recycling, and reusing, and creating green life and other execution measures, and review the operation effect regularly.

#### f. Risk measurement

1 Risk exposure of high-emitting industries:

Under the trend of global low-carbon transition, high-emitting industries will face increasingly stringent laws and regulations or policy controls. In the future, the imposition of carbon tax/fee both at home and abroad will increase the operating cost of enterprises. Failure to engage in transition in a timely manner may affect the operation and profit of enterprises. By referencing the identification of industries with high energy consumption and high carbon emissions by the Environmental Protection Administration and the Ministry of Economic Affairs, UBOT has compiled the "List of High-emitting Industries" as follows: "paper," "base metal manufacturing," "fossil fuel mining," "chemical" "non-metallic mineral products manufacturing," "electrical and electronics," "textile," and "electricity and gas supply." The percentage of credit and investment risk exposure of high-emitting industries as of the end of 2023 are illustrated in the following diagrams:



Credit risk exposure proportion Investment risk exposure proportion

39.9%

2 Scenario analysis of transition risks - the carbon price influence scenario



#### Background statement

With the trend of promoting economy towards the low-carbon transition and building net zero emission already becoming a global consensus, high-emitting industries will be the first group of industries to be affected by relevant laws, regulations and policies and become their main object of control. In the future, the imposition of carbon tax/fee both at home and abroad will increase the operating cost and reduce the revenue of relevant enterprises. In the face of increasing customer risk, it is necessary to not only reassess the change of customer default risk, but also analyze the possibility of increased expected losses arising from future credit risks, and assess the transition risk of customers investing in credit and bank book bonds.



#### 3 Evaluation method

Based on relevant domestic and foreign information, three carbon fee scenarios (as shown in the table below) were assumed to calculate the additional operating costs that customers may face (unit carbon price \* carbon emissions) and the resulting impact on revenue. The financial data adjusted by carbon fee pressure was used to analyze the change of default rate and expected credit loss under the scenario that customers pay extra costs of carbon fee.

#### **4** Evaluation results



1. According to the evaluation results for Scenario 1, in which Taiwan is estimated to begin collecting carbon fees in 2025, one customer will experience an increase in default rate, which could result in an expected credit loss of approximately NT\$0.12 million. there is no change in customer default rates and no change in expected credit losses for the time being. However, under Scenario 2 and Scenario 3 in which carbon fees are expected to rise until 2030, three and five customers will experience an increase in default rate, which could result in an expected credit loss of approximately NT\$10.28 million and NT\$13.94 million, respectively. It is assessed that these expected loss amounts will have little impact on UBOT.

2. As can be observed in analysis by industry category, under Scenario 3 in metal manufacturing" (19%).

## **2** Subject of evaluation

Based on the carbon emission data published on the Mandatory Greenhouse Gas Reporting System provided by the Climate Change Administration under the Ministry of Environment, a total of 18 UBOT customers with risk exposure as of the end of December 2023 were identified, while the balance of these customers accounted for 1.2% of UBOT's total credit and bond balance.

which carbon fee reaches its peak, the industry with the highest increase in expected loss is "electricity and gas supply" (70%), followed by "base

# **Carbon fee**

## pressure scenario

#### Carbon fee pressure scenario

ltem	Scenario 1 NT\$307 (approximately US\$10)	Scenario 2 NT\$2,305 (approximately US\$75)	Scenario 3 NT\$3,934 (approximately US\$128)		
Scenario statement	Following the promulgation of the Climate Change Response Act in Taiwan in February 2023, it is estimated that Taiwan will begin collecting carbon fees in 2025 based on the inventory results for 2024 while keeping up the pressure with the current starting price of NT\$10 per ton as recommended in an outsourced study commissioned by the Environmental Protection Administration.	In order to achieve the goal of limiting global warming to within 2 degrees Celsius, as set by the Paris Agreement, the World Bank projects a carbon price range of US\$50 to US\$100 per ton by 2030. The estimated price per metric ton is US\$75 based on the average value.	Out of the six NGFS scenarios, UBOT selected the Net Zero 2050 scenario in the orderly category, where the average estimated carbon price of US\$128 per metric ton for Asian countries in 2030 was adopted.		1
Number of customers with changes in default rate	1	3	5		i
[Calculation results]: Amount of additional expected credit loss (NT\$ millions)	0.12	10.28	13.94		1

Note: Additional expected credit loss = Expected credit loss after carbon fee pressure - Expected credit loss before carbon fee pressure.

#### Scenario 3

	Item	Proportion of additional expected loss
	Electricity and gas supply	70%
	Base metal manufacturing	19%
	Fossil fuel mining	0%
	Chemicals	0%
h-emitting ustries	Non-metallic mineral product manufacturing	2%
	Electrical and electronics	0%
	Textile	1%
	Paper	0%
	Subtotal	92%
	Wholesale	0%
	Real estate development	0%
n-high-	Financial services	0%
itting	Retail	0%
ustries	Food and feed manufacturing	8%
	Others	0%
	Subtotal	8%
	Total	100%

# Scenario 3

3 Scenario analysis of physical risks - the flood scenario



to floods. Therefore, the quantitative assessment of flood risk was carried out for UBOT's business locations and the locations of the real estate collaterals with credit granted by UBOT.



According to the Climate Change Disaster Risk Adaptation Platform of the National Center for Disaster Reduction (NCDR), the hazard level of extreme rainfall occurrence in all townships and districts in Taiwan has been assessed for the midcentury period (2036-2065) under the RCP8.5 scenario. In addition, UBOT's business locations and real estate collateral loans have taken into account the vulnerability classification map of the third-generation flood potential by the Water Resources Agency, considering exposure based on the number of sites and balance levels. To assess the potential impact of flood disasters on UBOT in different regions, we have used five risk levels, ranging from Level 1 to Level 5.



### **3** Evaluation results

According to the flood map of 316 towns and cities made by NCDR, under the scenario of RCP8.5, there are 51 towns and

cities in the region with relatively high flood riskvulnerability degree (with the risk-vulnerability level of 5) in the middle of the century. After comprehensive consideration of exposure degree, the risk exposure of UBOT's business locations and the locations of real estate collaterals with credit granted by UBOT during floods is as follows:

1. UBOT's business locations:

As of the end of December 2023, seven out of UBOT's 90 business locations in Taiwan were in the region with high exposure risk (Level 5: more than three located in the same region), all of which were in northern Taiwan.

- 2. Real estate collateral loans with credit:
  - of the total real estate loan.
  - and 0.11%, respectively.



### 4 Existing measures

- 1. UBOT has incorporated natural disasters, such as floods and earthquakes, into the scope and reporting procedures for major unforeseen events at our business locations. Additionally, UBOT has implemented emergency response measures to effectively mitigate the potential negative impacts of floods.
- 2. UBOT's current standards for real estate collateral appraisal stipulate that those susceptible to floods shall be included in the matters needing attention in the appraisal report; whereas real estate collaterals such as those located in high flood-risk areas, high risk areas for slope hazards, and high potential areas for soil liquefaction shall be detailed in the appraisal report.

(A) As of the end of December 2023, among the real estate collateral loans with credit, the proportion of notional balance of real estate collateral loans with credit that has high risk exposure (Level 5) to total credit balance was 5.31%. All of them are located in the northern region. However, this proportion is relatively low and the overall physical risk of these loans is relatively limited. Specifically, the real estate balance of corporate customers accounted for 1.24% of the total real estate loans, while the real estate balance of individual customers accounted for about 4.07%

(B) According to analysis by industry, category, UBOT-defined high-emitting industries accounted for 0.06%, whereas non-high-emitting industries accounted for about 1.18%. Specifically, industries with a credit concentration of more than 8% (according to the classification description provided by the Directorate-General of Budget, Accounting and Statistics) include real estate development, financial services, and wholesale, which accounted for 0.48%, 0.14%

#### TCFD 3 Climate Risk Management

Areas with	Mid-century (2036 to 2065)			
high flood risk (Level 5)	Number of business locations	Percentage of real estate collateral Ioan balance		
Northern region	7	5.31%		
Central region	0	0%		
Southern region	0	0%		
Eastern region	0	0%		

Real estate collateral loans			
	Proportion of balance		
		Electricity and gas supply	0.00%
		Base metal manufacturing	0.00%
		Fossil fuel mining	0.00%
	High- emitting industri	Chemicals	0.02%
Corporate		Non-metallic mineral product manufacturing	0.00%
custor		Electrical and electronics	0.02%
		Textile	0.01%
		Paper	0.01%
		Subtotal	0.06%
	Non-high-	emitting industries	1.18%
	Subtotal		1.24%
Individual	accounts		4.07%
Total			5.31%

• Disaster risk map of Taiwan



degree of harm century (2036-2065) 4 Scenario analysis of physical and transition risks - Operational Plan for Climate Change Scenario Analysis by Banks in Taiwan



UBOT assesses the financial impact of climate change under three climate scenarios: "Orderly Transition," "Disorderly Transition," and "No Policy" based on the "Operational Plan for Climate Change Scenario Analysis by Banks in Taiwan" published by the Financial Supervisory Commission. These scenarios encompass both physical risks and transition risks.

Set scenario p	period	2030 and 2050					
Climate scenario		Scenario 1 Orderly Transition	Scenario 2 Disorderly Transition	Scenario 3 No Policy			
Scenario statement Corresponding NGFS		Implement immediate and gradual transition to achieve carbon reduction targetsContinue to achieve carbon reduction targets despite delaying the implementation of transition		No transition policy			
Corresponding NGFS		Net Zero 2050	Delaly Transition	Baseline			
scenario	IPCC	RCP2.6	RCP2.6	RCP8.5			
Set climate scenario fact	tors	<ol> <li>Macroeconomic factors: The "Net Ze basis for macroeconomic factors in e unemployment rate, and long-term in</li> <li>Environmental factors: The "RCP2.6" environmental factors in each analys temperature changes to predict futur well as their impact on individuals wit</li> <li>Transition factors: These factors are and carbon prices, and their impact of</li> </ol>	ro 2050," "Delayed Transition," and "Baseline" sc each analysis scenario. The indicators for these terest rate, while changes in default rates in eac and "RCP8.5" scenarios in the Fifth IPCC report is scenario. These factors take into account the e trends in physical risk hazards such as heavy th different attributes. primarily employed to simulate changes in a co in individuals.	enarios are adopted as the factors include GDP growth, ch position were simulated. are adopted as the basis for a values of environmental and rain, floods, and droughts, as			
Methodologi framework	cal	<ol> <li>Domestic credit position: Evaluate the business finance ratio, full guarantee after taking into account the extent o probability of default, loss given defa the expected loss for each analysis s</li> <li>Overseas credit position: Determine the international credit ratings, and then es</li> <li>Bank book investment position: Adop</li> </ol>	e impact of macroeconomic factors on risk-link ratio, combined loan-to-value ratio (CLTV), and f macroeconomic factors under each scenario, ult, and default risk exposure under each scena cenario. e default rate under each analysis scenario in pri stimate the loss given default by referencing the ots the same approach as that for credit positio	ed indicators (including debt burden ratio (DBR)) which in turn produces the rio, and eventually evaluate mary consideration of UBOT's domestic credit position. n.			



1. Evaluation date: End of December 2023

2. Scope of evaluation: The scope of evaluation covers UBOT's credit risk position (including branches of international financial business) in and outside Taiwan, i.e., UBOT's credit position (including credit card), bond, and equity investment positions on and off UBOT's books.

Note: 1.NGFS stands for Network for Greening the Financial System. 2.IPCC stands for Intergovernmental Panel on Climate Change. 3.RCPs stands for Representative Concentration Pathways.

## 3 Evaluation results



- 1. Under three hypothetical scenarios, the proportions of expected loss in 2030 and 2050 to UBOT's net worth and pre-tax profit and loss are shown in the table below:
  - (A) According to analysis, the proportions of expected loss to net profit and pretax profit and loss will peak in 2030 and 2050 under the "Disorderly Transition" scenario. By 2030, expected loss will amount to NT\$3.2 billion, and account for 4.72% and 62.51% of net worth and pre-tax profit and loss. respectively. By 2050, expected loss will amount to about NT\$3.6 billion, and account for 5.25% and 69.53% of net worth and pre-tax profit and loss, respectively.

Climate scenario		Soonario	Overall evaluation results			
		period	Proportion of expected loss to net worth	Proportion of expected loss to pre-tax profit and loss		
Scenario 1	Orderly	2030	4.36%	57.74%		
	Transition	2050	5.07%	67.20%		
Sconario 2	Disorderly	2030	4.72%	62.51%		
Scenario z	Transition	2050	5.25%	69.53%		
Scenario 3	No Doliov	2030	4.21%	55.73%		
	NO POLICY	2050	4.68%	62.05%		

- - respectively.
  - respectively.

Asset category			Proportion of expected loss to net worth		Proportion of expected loss to risk exposure	
		2030	2050	2030	2050	
	Corporate		1.87%	2.46%	0.86%	1.12%
Credit (including credit cards)	Individual	Home loans	0.31%	0.24%	0.08%	0.06%
		Others	1.85%	1.36%	0.73%	0.54%
	Subtotal		4.03%	4.05%	0.48%	0.48%
Bank book investment		0.69%	1.20%	1.01%	1.75%	
	Total		4.72%	5.25%	0.52%	0.58%

### 4 Existing measures

During the annual review of industry-specific credit risk concentration limits (including investment and credit business), UBOT reviews the list of "highcarbon emission industries" we have defined, includes them in the consideration of the adjustment factor, and lowers the relevant industry-specific limits at our discretion.

For the investment business, UBOT takes into consideration ESG or projects with high climate risk factors in a progressive manner. ESG is incorporated in the review and appraisal process before making such an investment, where investment caps are applied based on the assessment grading scale. After making such an investment, the ESG situation is reviewed regularly. If the issuing company is in a high-emitting industry, the company is required to disclose its carbon reduction plan. Investment caps on the aforesaid instruments and foreign currency-denominated bonds have also been put in place against high-emitting industries. Investment caps on the aforesaid instruments and foreign currency-denominated bonds have also been put in place against high-emitting industries.

For the corporate banking credit business, UBOT has set the target of "incorporating climate risk factors into the credit granting process." In 2023, UBOT has completed the design of the "Climate Risk Assessment Form" for credit grantees. In 2024, UBOT plans to digitalize the aforesaid form so as to facilitate the analysis of the credit positions of UBOT's credit grantees affected by climate risk. Thereafter, UBOT will set caps on the credit position of sensitive industries that are susceptible to climate risks and establish credit granting principles or engagement methods for credit grantees with high climate risks based on the analysis results, which are scheduled for completion by 2026.

2. Analysis of the proportions of expected losses of each asset type to net worth and risk exposure in 2030 and 2050 respectively under the "Disorderly Transition" scenario:

(A) According to analysis, the proportions of expected loss to net worth by 2030 and 2050 are the highest in the "corporate credit" category, i.e., 1.87% and 2.46%,

(B) According to analysis, the proportions of expected loss to net worth by 2030 and 2050 are the highest in the "bank book investment" category, i.e., 1.01% and 1.75%,



UBOT's appraisal standards stipulate that credit grantees that are susceptible to wind disasters, floods and droughts or adverse geological conditions shall be included in the matters requiring attention, and special attention shall be paid to their risk control; whereas real estate collaterals such as those located in high flood risk areas, high risk areas for slope hazards, and high potential areas for soil liquefaction shall be detailed in the appraisal report.

# $\mathbf{04}$ Effectiveness, Indicators, and Targets of Climate-related Measures

#### a. Greenhouse gas emissions

1 Emission inventory of UBOT's own operations:

UBOT conducts a bank-wide inventory of electricity consumption and corresponding greenhouse gas emissions (measured in metric tons of carbon dioxide equivalent) according to the ISO 14064 standards, where the corresponding results for each year are shown in the table below. While the amount of carbon emissions at UBOT were calculated based on emissions from electricity consumption in 2022 and prior years, such a calculation has been expended to include not only electricity, but also other sources of greenhouse gas emissions, such as water, gas gasoline, and diesel, starting in 2023.

Indicator	Unit of measurement	2019	2020	2021	2022	2023
Greenhouse gas emissions	Metric tons of CO2e	5,023	5,016	4,838	4,309	10,064
Intensity	Metric tons of CO2e per NT\$ million	-	-	-	-	0.6566

Note: In 2022 and prior years, the scope of inventory covers bank dormitory in which electricity bills were paid separately. In 2023, the scope of inventory encompasses Scope 1, 2 and 3 (Categories 1 to 14) emissions from UBOT's 90 business units and various units under the head office. UBOT's greenhouse gas inventory for 2023 has been awarded the SGS verification certificate.

Target item	Short-term targets (2024)
Greenhouse gas inventory and verification	<ol> <li>Scheduled to complete the greenhouse gas inventory of UBOT.</li> <li>Scheduled to complete the greenhouse gas inventory of UBOT subsidiaries.</li> </ol>
Carbon emission reduction	1 Plan to set annual greenhouse gas reduction targets based on SBTi's Absolute Contraction Approach, with 2023 as the base year.
	<ul> <li>2 Strategies and specific action plans:</li> <li>(1) Energy conservation: Continue to implement various measures to save electricity, fuel and water, as well as purchase electric vehicles and scooters.</li> </ul>
	(2) Energy creation: Install solar power systems on the rooftop of UBOT dormitory buildings.



### Scheduled to complete greenhouse gas verification at UBOT subsidiaries by 2027. 1 Achieve the target of 42% reduction in carbon emissions by 2030 using the Absolute Contraction Approach, with 2023 as the base year. 2 Achieve the goal of net-zero emission (carbon neutrality) through energy conservation and carbon reduction, investment in solar plants (energy creation), purchase of green electricity, and trading of carbon credits from 2031 to 2050 in line with Taiwan's carbon reduction targets for 2050.

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2 Investment and financing portfolio emission inventory:

UBOT not only conducts a greenhouse gas inventory of our investment and financing customers,

but also calculates the financed emissions that we need to assume, as shown in the following table, based on the methodology adopted by the Partnership for Carbon Accounting Financials (PCAF). In 2023, UBOT recorded a total of 777,638 metric tons of CO2e in financed emissions, with a carbon emission intensity of 6.45 and a data quality score of 2.65.

ltem	Inventory coverage	
Business category	2022	2023
Investment business	5.46%	34.12%
Financing business	1.28%	8.75%
Total	2.30%	15.10%

ltem	Absolute emissions (metric tons of C02e)		Carbon emission intensity (metric tons of CO2e per NT\$ million)		Data quality	
Asset category	2022	2023	2022	2023	2022	2023
TWSE/TPEx-listed stocks	17,478	47,347	7.30	2.74	-	1.59
Corporate bonds	147,391	251,341	22.50	10.70	-	2.61
Sovereign bonds	-	222,890	-	7.41	-	1.65
Commercial loans	62,850	256,060	9.18	5.16	-	3.64
Total	227,719	777,638	14.42	6.45	-	2.65

Note1:Inventory coverage: Emission inventory of investment and financing portfolios/FVTPL, FVOCI, AC, IEQU (excluding subsidiaries), and loans (excluding collections) on the balance sheet.

Note2:Carbon emission intensity: Scope 1 and 2 emissions from the investment and financing portfolio/Emission inventory of investment and financing portfolios.

#### Target item

verification



Continue to carry out inventory and disclosure

of greenhouse gas emissions from investment

and financing customers based on the PCAF

methodology, expand the scope of asset

covered in such inventories, and plan for third-

Plan and carry out inventory and Greenhouse gas disclosure of greenhouse gas inventory and emissions from investment and financing customers based on the PCAF methodology.

tudy and deliberate on carbon reduction methods and strategies for financed emissions from investment and **Carbon emission** financing portfolios in accordance with reduction the "Guidelines on Carbon Reduction Target Setting and Strategy Planning for the Financial Sector."

party assurance (verification). Plan and set carbon reduction targets, strategies and action plans in accordance with the "Guidelines on Carbon Reduction Target Setting and Strategy Planning for the Financial

Sector" and the progress of financed emission

inventory for PCAF's asset classes.

#### b. Energy use

- electricity consumption":
  - at a total cost of NT\$8.582 million.
- below 26°C during summer.
- public spaces during off-peak hours.
- strategies and actions.
- saving labels.

1 UBOT implements the following measures to "reduce

(1) Replace old lighting fixtures and air conditioning units with high energy consumption, where a total of 54 lighting fixtures and 16 air conditioning units were replaced in 2023

(2) Ensure that the air conditioning temperature is not set

(3) Display "Power saving in progress" signs at prominent places across all UBOT business locations to remind employees and customers to save energy.

(4) Maintain minimum lighting or use sensor lighting in all

(5) In 2023, electricity consumption across UBOT was 8.66% lower than that for the same period in 2020. Based on this trend, as well as the progress of the actions listed above, we conducted a trend analysis, and predicted that the reduction goals could be achieved on schedule by 2035. In addition, due to the obsolescence and renewal of equipment with high energy consumption, the energy saving benefit in the early stage would be very significant. However, the energy saving benefits in the later stage will decrease gradually. In the future, the energy saving goals will be adjusted in an appropriate and timely manner according to the obsolescence and renewal situation of equipment with high energy consumption. According to our judgment, we remain climate resilient for the time being following the implementation of our current climate

2 UBOT implements various measures to "reduce water consumption," which includes not only checking sanitary equipment for leaks, but also using products with water4 Effectiveness, Indicators, and Targets of Climate-related Measures

Target item	Targets for the current year (2023)Short-term targets (2024)Medium- to long-term targets (2025~)	Implen
Reducing electricity consumption	Achieve a 15% reduction in electricity consumption across UBOT by 2035, with 2020 as the base year.	Achieved a 8.66% reduc the base year.
Reducing water consumption	Achieve a 8% reduction in water consumption across UBOT by 2035, with 2023 as the base year.	Used 2023 as the base y
Reducing fuel consumption in company vehicles	Achieve a 40% reduction in fuel consumption in all company vehicles by 2035, with 2023 as the base year.	Used 2023 as the base y
Installing charging systems for electric vehicles	Equip parking lots in all UBOT buildings with electric vehicle systems from 2023 onward.	Planned to install four e building in Tucheng which
Setting up solar farms on the rooftop of UBOT's buildings	Set up at least five solar farms on the rooftop of UBOT's own buildings by 2035.	Planned to set up a sola in Southern Taoyuan.

#### c. Climate risk management

UBOT adopted the following measures to manage and control climate-related risks:

- Aside from compiling a list of high-emitting industries in 2023, UBOT will also take into account adjustment factors in the annual review of the industry-specific concentration limits and reduce the limits as appropriate. All relevant units have set monitoring indicators for climate risk control, while the Risk Management Department reports to the Asset and Liability and Risk Management Committee on a quarterly basis the risk exposure of the high-emitting industries to the investment and credit granting businesses, as well as the warning indicators set by each business unit in order to monitor changes in risk exposure.
- 2 For the corporate banking credit business, UBOT planned to develop the "Climate Risk Assessment Scale" aimed at collecting information on climate risks (including physical risks and transition risks) from credit grantees, and formulate the development direction of the credit granting business (e.g., adjusting credit terms, interest rates, and pricing) based on the analysis results in order to help credit grantees reduce carbon emissions and speed up sustainability transition, which is scheduled for completion by 2026.

#### Indicator (Unit of measurement

Proportion of the balance of credit facilities granted to the total number of credit facilities granted by UBOT

Proportion of the balance of investment commitments to UBOT's overall investment position

Proportion of foreign currency bonds invested in high-e UBOT's overall foreign currency bonds (which must be

Proportion of New Taiwan dollar-denominated bonds in industries to UBOT's overall New Taiwan dollar-denomi not exceed 35%)

Proportion of non-guaranteed promissory notes undervindustries to the total balance of non-guaranteed prom by UBOT (which must not exceed 50%)

Target item	Targets for the current year (2023)	Short-term targets (2024)	Medium- to long-term targets (2025~)	Impleme
For the corporate banking business, include climate risk factors in the credit granting process, which is scheduled for completion by 2026.	Develop the "Climate Risk Assessment Scale."	Plan to digitalize the "Climate Risk AssessmentForm."	<ol> <li>Set caps for UBOT's credit positions in sensitive industries that are susceptible to climate risks.</li> <li>Establish credit granting principles or engagement methods for credit grantees with high climate risks.</li> </ol>	In 2023, UBOT completed Scale" for credit grantees on the physical and transi In the future, UBOT plans facilitate the analysis of the affected by climate risk.

#### nentation of targets for 2023

ction in electricity consumption compared to

year

year

electric vehicle charging piles at UBOT's own ich is currently under construction.

ar farm on the rooftop of UBOT's own building

%)	2022	2023
high-emitting industries to	3.61%	3.96%
in high-emitting industries	8.48%	14.09%
emitting industries to less than or equal to 35%)	15.35%	19.06%
nvested in high-emitting nated bonds (which must	-	16.69%
written for high-emitting issory notes underwritten	-	27.71%

#### mentation of targets for 2023

ed the design of the "Climate Risk Assessment ees, primarily aimed at collecting information isition risks faced by credit grantees.

ns to add an input interface to our system to f the credit positions of UBOT's credit grantees

#### d. Climate opportunities

UBOT continues to promote green-related financial products, services, and procurement with a view to exerting our financial influence, which is detailed as follows:

- 1 Green credit: Green credit refers to credit cases involving loans for green-related industries (which belong to the six key strategic industries, including green power and renewable energy industries (excluding high-emitting industries), and green and environmental sustainability-related industries) and green expenditures (including renewable energy loans, green building loans, electric (hybrid) vehicle loans, etc.). As of the end of December 2023, the total balance of green credit granted by UBOT was approximately NT\$17.74 billion. Specifically, the balance of green credit granted to corporate customers was approximately NT\$13.29 billion, accounting for 6.93% of the total amount of credit granted to corporate customers (i.e., NT\$191.82 billion), whereas the balance of green credit granted to individual customers was NT\$4.45 billion, accounting for 1.11% of the total amount of credit granted to individual customers (i.e., NT\$401.49 billion).
- 2 Investment in New Taiwan dollar- and foreign currency-denominated green and sustainability bonds: As of the end of December 2023, the total face value of these bonds at UBOT was NT\$1.72 billion.
- 3 Union Green Card: UBOT issued the "Union Green Card," which is made of eco-friendly materials and equipped with virtual card technology, with the aim of reducing the burden on the environment in the card production process through rebates in green consumption channels. In addition, UBOT allocated funds to be donated to the Taiwan Environmental Information Association according to the amount of green spending while engaging in environmental protection work and environmental education promotion to a greater extent, so as to realize the goal of environmental friendliness. As of the end of December 2023, UBOT has issued a total of 80,000 Union Green Cards, where the cumulative transaction amount was NT\$2.38 billion, with a total of NT\$1.68 million donated to green social welfare organizations.
- 4 Issuance of green and sustainability-related funds: The "Union 2023 High-quality Bond Fund" issued by Union Investment Trust under Union Group, which primarily invests in ESG-themed bonds, has reached its maturity date on November 23, 2023. On the other hand, the "Union Multi-asset Low-carbon Target Fund," which invests in "low-carbon" target"-themed marketable securities, reached a size of NT\$881 million as of the end of December 2023.
- 5 Sale of green and sustainability-related funds: As of the end of December 2023, UBOT has launched 55 ESG-related funds for customer selection.
- 6 Promotion of digital finance and paperless operations:
  - (1) Following proactive efforts to promote digital financial services aimed at reducing the use of papers, UBOT recorded a total of 364,050 digital accounts, 1,085,743 electronic banking personal accounts, and 24,120 electronic banking corporate accounts in 2023, up 70.53%, 35.86%, and 17.28% from the previous year, respectively.

- (2) In an effort to reduce the use of paper in the loan process and strike a balance between creating a paperless financial environment.
- (3) In an effort to optimize the day-to-day operations of the wealth management transactions for customers.
- 7 Investment in solar power plants: Following investments in the 5+2 innovative industries proposed by the government (including the Asia Silicon Valley project, smart machinery, green energy, biotech and pharmaceutical, national defense, new agriculture, and circular economy), Union Capital under Union Group has invested in a total of four solar power plant projects through its subsidiaries, one of which has been completed so far. This recently completed solar power plant generated 50 million kWh of electricity was generated in 2023, while the expectation is that 350 million kWh of electricity will be generated each year upon completion of the remaining solar power plants.
- 8 Supplier management: UBOT has put in place the "Letter of Commitment on Compliance" with CSR, Ethical Management and Legal Provisions" for suppliers, and requires our suppliers and manufacturers to sign the letter of commitment when signing contracts, with the intention of jointly adhering to the environmental sustainability policy or relevant environmental protection measures promoted by UBOT, and complying with occupational safety and health management requirements. In 2023, UBOT received a total of 29 letters of commitment signed by suppliers, representing a 100% signing rate.
- 9 Following our participation in the "Green Procurement of Private Enterprises and NT\$54.544 million worth of green products throughout the year.

customer convenience and carbon reduction, UBOT began switching the personal credit and loan application process from the traditional paper-based process to online application at the end of 2020. In the online application process, customers can not only fill out their loan information online as well as upload identification documents and financial documents, but also receive system notifications via text messages to inform them of the need to provide additional documents and their loan approval status, as well as sign the loan contract online, which in turn reduces the need for paper in the loan process. UBOT expects to extend the online application process to personal home loans and land mortgages from 2024 onward, in hopes of substantially reduce carbon emissions from manual and paper-based operations. Furthermore, UBOT is also planning to introduce the online application service in the home loan business in order to enhance operational efficiency and digital services capabilities, with a view to

business and promote the benefits of going paperless, a dedicated section for wealth management operations has been set up in UBOT's NOTES system to replace paperbased operations with electronic ones. Our web/mobile app enables customers to open and apply for a trust account online and undergo the KYC financial management assessment process. For specific money trust-related transactions (e.g., funds, ETF, and overseas stock transactions), orders can also be placed on UBOT's online/mobile app, eFutong, or U-talk to realize the convenience and paperless benefits of digital

Organizations" program hosted by the Executive Yuan in 2023, UBOT purchased a total of

4 Effectiveness, Indicators, and Targets of Climate-related Measures

	Indicator	Unit of measurement	2022	2023
Proportion of	of credit granted to corporate customers in green-related industries	NT\$ hundred millions	94.55	132.9
to the total l	balance of credit granted to corporate customers	%	4.98%	6.93%
Proportion of	of green credit granted to individual customers to the total balance	NT\$ hundred millions	13.3	44.5
of credit gra	anted to individual customers	%	0.36%	1.11%
Total amour denominate	nt of investment in New Taiwan dollar- and foreign currency- ed green, social, and sustainability bonds	NT\$ hundred millions	19.3	17.2
Number of l	Union Green Cards issued by UBOT	ten thousand cards	5.5	8
Number of I	ESG-related funds already launched by UBOT	funds	45	55
Promoting	Number of new New New Bank accounts	accounts	50,950	150,579
digital	Number of accounts applying for personal online/mobile banking	accounts	148,479	286,629
finance	Number of new accounts with e-banking features	accounts	3,568	3,090

	Target item	Targets for the current year (2023)	Short-term targets (2024)	Medium- to long-term targets (2025~)	Impler
Green bond	investment growth rate	Achieve 3% average annual growth in the balance of investment in New Taiwan dollar-denominated green bonds, social bonds, and sustainability bonds, with 2023 as the base year.		Used 2023 as the base	
Providing gı related loan	reen and sustainability- products	-	Plan to establish the "Key Points to the Sustainability- linked Loan Business" to assist companies and industries in low-carbon and sustainability transitions.	-	
Launching new climate-related financial products		ween 2023 and 2025.	AS of 2023, UBOT has financial products for c		
	Number of new New New Bank accounts	120,000	144,000	-	In 2023, UBOT record accounts, representing
Promoting digital	Number of accounts applying for personal online/mobile banking	132,000	132,000	-	In 2023, UBOT recorde personal online/mobile rate.
finance	Number of new accounts with e-banking features	3,600	3,240	-	In 2023, UBOT recor e-banking features, w the year, representing in achievement rate v and enhanced scrutin occurrence of fraud cas

mentation of targets for 2023

e year

as launched a total of 10 ESG-related green customer selection.

ded a total of 150,579 new New New Bank g a 125% achievement rate.

led a total of 286,629 accounts applying for le banking, representing a 217% achievement

rded a total of 3.090 new accounts with which was less than the target of 3,600 for g a 85% achievement rate. The slow growth was mainly due to the COVID-19 outbreak ny of applications as a consequence of the ases in 2023.

#### e. Other Items

<u>1</u> Targets for other categories:

Governance Number of hours of climate-related education and training for board members Attend 3 hours of climate-related education and training every two years from 2023 to 2030.	Arranged for all board members to
hours in Ju	attend a training course titled "On the Importance of Sustainability Reports and TCFD" for a total of 3 hours in June 2023.
Engagement and communicationTraining rate among personnel attending carbon emission inventory courses or number of courses on environmental (or energy) management and greenhouse gas reductionHave at least two people from each unit who have undergone training on carbon emission inventory, with a target training rate of 100%.Conduct at least three training courses on the environment, energy, and greenhouse gas reduction each year from 2024 to 2030.Achieved among personnel emission 2023.	Achieved a 100% training rate among personnel attending carbon 30. emission inventory courses in 2023.
Internal carbon pricingDevelop internal carbon pricing for Scope 1 and 2 emissions from UBOT's operationsPlan the introduction of the internal carbon pricing mechanism in UBOT's own operations, with priority to be given to high-emitting UBOT branches.Continue to introduce the internal carbon pricing mechanism.	oduce the n pricing -

Internal carbon pricing: As far as our own operations are concerned, UBOT plans to price the cost of each ton of carbon emissions based on internal shadow carbon prices and the carbon fee rates announced by the competent authorities, and then includes it in the assessment during the decision-making process so that we can carry out greenhouse gas management internally. For high-emitting business units, priority will be given to equipment upgrading and related energy-saving and carbon reduction measures.

2 Implementation of other measures:

In 2023, UBOT paid a total of NT\$2.445 million in electronic equipment insurance and fire insurance premiums.