

BARS

ADVANCING SUSTAINABILITY THROUGH TCFD - ALIGNED RISKS & DRIVING A LOW - CARBON FUTURE.



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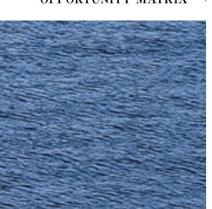
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INTRODUCTION

BAFS'S 2024 CLIMATE RELATED - RISK AND IMPACT



Bangkok Aviation Fuel Services (BAFS) is committed to addressing climate change and sustainability in our operations and services. Our 2024 Climate-Related Disclosure Report, aligned with IFRS1 and IFRS2 and incorporating the recommendations of the Task Force on Climate - Related Financial Disclosures (TCFD), aims to provide transparent and high - quality sustainability - related disclosures. The International Sustainability Standards Board (ISSB) supports the effective implementation of IFRS1 and IFRS2, ensuring a global baseline for sustainability-related disclosures. This includes capacity building and monitoring progress towards widespread adoption of these high - quality disclosures. At BAFS, we understand the potential impacts of climate change scenarios on our business and services. Our report outlines the strategies we have developed to mitigate these risks and enhance our resilience. We are committed to analyzing and identifying opportunities that arise from climate - related risks, aiming to turn these into practical benefits for our business while ensuring minimal impact on the environment, society, and governance. Our organization is dedicated to reducing Greenhouse Gas (GHG) emissions and has set long - term and medium - term goals to address this global challenge. We have set a target to achieve net-zero emissions by 2050. In recognition of our efforts, BAFS was awarded the Climate Action Leading Organization (CALO) in 2024, achieving a minimum of two gold-medal accomplishments.BAFS remains dedicated to reducing GHG emissions, continuously developing and refining our plans to be more effective in managing climate-related risks. We align our commitments with the Paris Agreement, striving to limit global warming and reduce the temperature increase to 1.5 degrees Celsius.

THE MESSAGE FROM PRESIDENT

"As the climate crisis intensifies and becomes urgent, we have set the ambitious goal of achieving Net Zero GHG Emissions by 2050. Guided by our purpose to uplift and power the world to a new height, our mission encompasses not only decarbonization but also contributions to the environment, communities, and society. We remain steadfast in delivering service excellence with utmost safety and quality while upholding good governance.

Turning ambition into action, we are implementing key initiatives such as transitioning to electric vehicles, adopting and investing in renewable energy, and promoting Sustainable Aviation Fuel (SAF) in Thailand. Climate - related goals are embedded in our business strategy and operations, supported by the aligned organizational structure, policies, and risk management, with GHG emission reduction set as a Corporate KPI.

Looking ahead, we will continue to foster innovation, develop our people, and embark on a new journey in green investments, committing to delivering sustainable value to society and the world for generations to come."

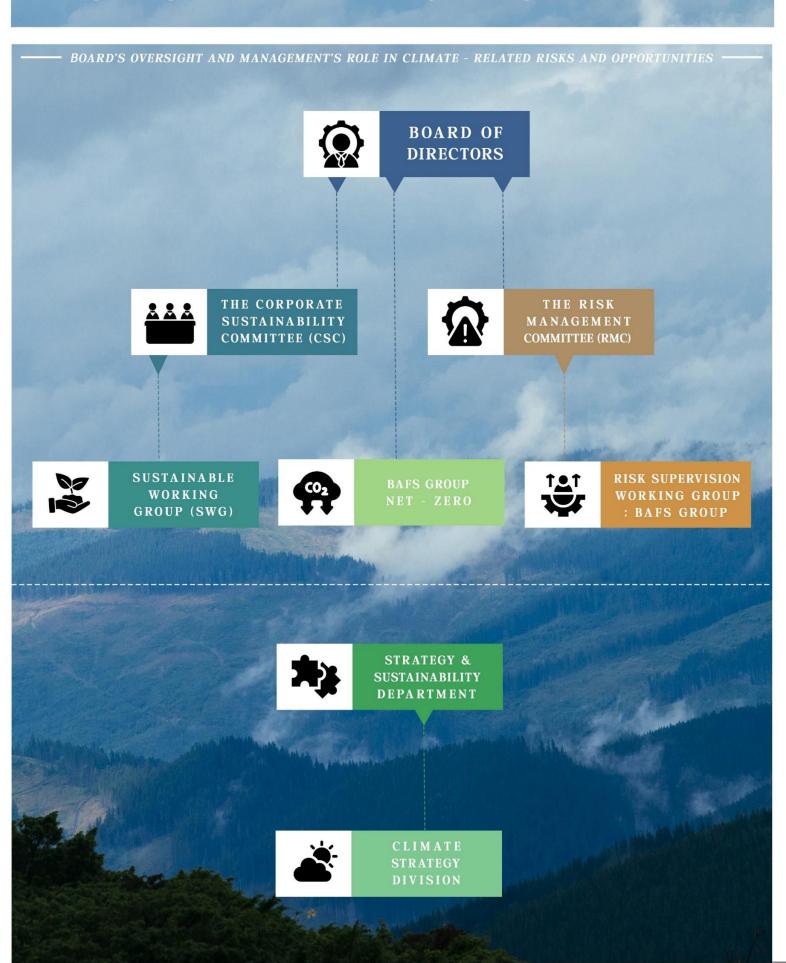
- M.L.NATHASIT DISKUL; PRESIDENT -

GOVERNANCE

"LEADING WITH RESPONSIBLE GOVERNANCE TO TACKLE CLIMATE RISKS AND BUILD A BETTER FUTURE."

At BAFS, we place climate - related risks and opportunities at the core of our responsible governance strategy. By embedding sustainability into our operations, we aim to enhance resilience, align with global standards, and drive industry innovation. Through initiatives like adopting energy - efficient technologies, promoting Sustainable Aviation Fuel (SAF), and collaborating with stakeholders, we advance the aviation sector's understanding of climate challenges. These efforts not only reduce environmental impact but also support global action against climate change, demonstrating our commitment to creating meaningful and lasting change.

ORGANIZATION CHART



ORGANIZATION CHART

BOARD'S OVERSIGHT AND MANAGEMENT'S ROLE IN CLIMATE - RELATED RISKS AND OPPORTUNITIES

BOARD OF DIRECTORS

The Board of Directors is committed to conducting the company's business in alignment with our vision, mission, and business ethics, while incorporating climate change responses and risk factors into our governance framework. By considering the interestsof all stakeholders, we aim to create sustainable value and contribute positively to the environment.

THE CORPORATE SUSTAINABILITY COMMITTEE (CSC)

The Corporate Sustainability Committee (CSC) plays a key role in establishing the sustainability framework for the group of companies, including climate - related policies & management systems aimed at gaining community and societal acceptance. The CSC is also responsible for appointing the BG - Net Zero working groups, ensuring alignment with the Net Zero target by 2050. Additionally, the CSC reports overall sustainability performance, including climate - related aspects, to the company's board of directors.

SUSTAINABLE WORKING GROUP (SWG)

The Sustainability Working Group (SWG) leads climate initiatives and integrates sustainable practices across operations to align with the Group's strategic goals. It ensures all projects address environmental impacts and support climate objectives. BG - Net Zero provides quarterly updates, reinforcing transparency and accountability in sustainability efforts.

THE RISK MANAGEMENT COMMITTEE (RMC)

The Risk Management Committee (RMC) is essential in establishing risk management policies, overseeing BAFS Group's overall risk management, & appointing the Risk Supervision Working Group to identify, assess, control, & monitor significant risks, including climate - related risks. These high - impact risks are classified as corporate risks and are directly supervised by the RMC. The Audit Committee (AC) conducts quarterly reviews of the risk management system, & the Board of Directors receives quarterly risk management reports for acknowledgment.

RISK SUPERVISION WORKING GROUP: BAFS GROUP (RWG)

The Risk Supervision Working Group (RWG) aligns BAFS Group's risk management with the COSO ERM Framework, addressing ESG and climate risks. Quarterly reports to the Risk Management Committee ensure transparency and support sustainable development.

BAFS GROUP NET - ZERO

The BAFS Group Net Zero Emission Task Force (BG - Net Zero) leads the implementation of the 2023 - 2030 Net Zero Master Plan to achieve Net Zero by 2050, in line with the Group's climate strategy. It reviews and updates carbon reduction goals and baselines to align with business growth trends. The task force also handles additional responsibilities assigned by the Sustainability Working Group (SWG) and ensures regular progress reporting. These efforts support a coordinated approach to reducing emissions and advancing sustainable practices across the organization.

"BAFS IS SUPPORTED BY A DEDICATED CLIMATE AGENCY TEAM, LEADING OUR CLIMATE CHANGE MANAGEMENT IN ALIGNMENT WITH THE STANDARDS OUTLINED IN BAFS'S MASTERPLAN."

STRATEGY & SUSTAINABILITY DEPARTMENT

The Strategy and Sustainability Department drives climate initiatives by developing strategies aligned with company goals. It integrates sustainability into the ESG framework, ensuring operations address social and environmental impacts while advancing long - term value and resilience to climate risks.

CLIMATE STRATEGY DIVISION

The Climate Strategy Division (SCS) develops & implements the Company's Climate Plan, analyzing data, addressing risks and opportunities, and ensuring compliance with climate laws. Its work informs strategic decisions and drives effective climate action.

STRATEGY

"DRIVING SUSTAINABLE GROWTH THROUGH CLIMATE-INFORMED STRATEGIES"

BAFS is dedicated to achieving net-zero emissions by 2050, reflecting our commitment to combating climate change & fostering a sustainable future. To reach this goal, we proactively assess the impacts of climate change on our operations, identifying risks & opportunities through comprehensive scenario analysis. This approach allows us to anticipate & adapt to evolving challenges, ensuring our strategies remain resilient and forward - looking. By enhancing our ability to monitor these dynamic risks, we not only improve transparency in disclosing potential climate - related costs but also strengthen the foundation for informed, strategic decision - making. Through these efforts, we aim to drive meaningful progress toward a low- carbon economy while maintaining accountability to all our stakeholders.

COMPANY'S STRATEGY FOR MANAGING RISKS & OPPORTUNITIES

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The selection of time horizons, short - term (1 - 2 years), medium - term (3 - 5 years), & long - term (over 5 years) reflects the need to balance immediate operational efficiency, moderate growth initiatives, and sustained strategic transformations. Environmental issues often have lengthy gestation periods, meaning their impacts may not be realized for years or even decades. As such, a long - term perspective (beyond 5 years) is essential for effectively assessing and managing these challenges. Conversely, strategic and financial planning typically concentrates on shorter timeframes (1 - 5 years) to achieve more immediate goals and objectives.



CLIMATE - RELATED RISKS & OPPORTUNITIES DRIVER

RISK

PHYSICAL RISKS

- ⚠ Acute (Flood & Drought)
- **⚠** Chronic (Heatstress)

TRANSITION RISKS

- A Policy & Legal (Carbon Tax)
- ▲ Market (Fuel Price)
- A Reputation (Data request from Investor & Regulator)

OPPORTUNITY







STRATEGIC PLANNING & RISK MANAGEMENT



FINANCIAL IMPACT ASSESSMENT



RESPONSE TO RISK & STRATEGIC IMPACT

PHYSICAL RISK ASSESSMENT

	Short Term (2025-2026)	Medium Term (2027-2029)	Long Term (2035+)	Impact to BAFS	Strategic response
Flood Climate-related factors like heavy rainfall, tropical storms, and rising sea levels have the potential to cause flooding within the operational area, which can significantly affect both operations and infrastructure	Low risk	Low risk	Medium risk	Operational disruptions Supply chain disruptions Infrastructure vulnerability Fuel contamination Flood-related fuel leaks	Monitoring and early warning systems Emergency response pla Flood proof infrastructur Fuel quality control Insurance coverage
Drought Prolonged drought can lead to reduced water availability, which may affect water supply for fire suppression systems.	Low risk	Low risk	Low risk	Water scarcity for fire suppression systems.	Water management Water scarcity contingency plans
Heat stress The rise in temperature may affect the health, occupational health, and safety of employees providing services at airports in hot weather conditions for an extended period of time.	Low risk	Low risk	Medium risk	Employee Health and Safety Reduced Productivity	Heat-related training Appropriate work scheduling and PPE Heat-related incidents a injuries medical respons

TRANSITION RISK AND OPPORTUNITY ASSESSMENT

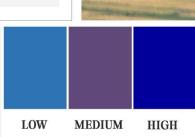
Risk Driver	Short Term (2025-2026)	Medium Term (2027-2029)	Long Term (2035+)	Impact to BAFS	Strategic response
Policy and Legal ➤ Carbon Tax (Risk)	Medium risk	Medium risk	Majferiok	Higher operational costs have resulted in less competitive pricing Supply chain impacts, which could potentially result in cost increases or disruptions	Implement emission- reduction initiatives such as energy-efficient technologies and Sustainable Aviation Fuels (SAF)
Market ➤ Fuel Price	Low risk	Low risk	Medium risk	A decrease in demand from airlines leads to a decrease in sales volume and margin.	Reducing costs and improving efficiency to offset the impact of high fuel prices and declining demand
Technology ➤ Sustainable Aviation Fuels (SAF)	Medium Opportunity	High Opportunity	High Opportunity	A growing demand from airlines and aviation businesses striving to reduce their carbon footprint through SAF	Seek collaboration with strategic partners to maintain quality and ensure supply for growing demand Prepare to become SAF logistics center
Reputation ➤ Data request from Investor and Regulator	Low risk	Low risk	Medium Risk	Increased compliance and reporting cost	Establish data management and reporting teams and implement digital solutions to streamline the process.



RISK

LEVEL

OPPORTUNITY LEVEL



RISK MANAGEMENT

"INTEGRATING CLIMATE RESILIENCE INTO OUR RISK MANAGEMENT FRAMEWORK"

At BAFS, we are dedicated to integrating climate - related risks & opportunities into our comprehensive risk management framework. This ensures that climate considerations are evaluated alongside othercritical risks, such as operational efficiency, anti - corruption, and human rights. By embedding these factors into our decision - making processes, we enhance our ability to identify vulnerabilities, seize opportunities, and uphold our commitment to sustainable and ethical practices. This proactive approach strengthens our resilience and adaptability in an ever - changing global landscape. By aligning with international standards and stakeholder expectations, we ensure transparency in addressing both current and emerging challenges. Our commitment to robust risk management reflects our vision to drive long-term value while navigating the complexities of a sustainable future.

BAFS ENTERPRISE RISK MANAGEMENT

BAFS uses the COSO Enterprise Risk Management framework as a foundation for its enterprise risk management program, integrating the framework's principles, components, and guidance into its business strategy, decision - making, and operations.



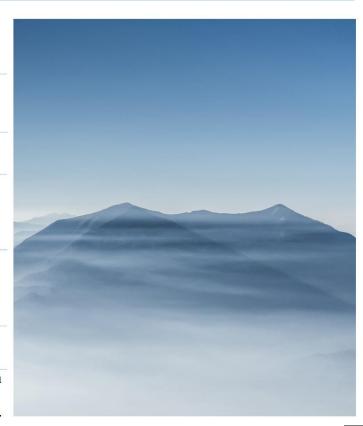


MANAGEMENT FRAMEWORK

- 1. RMC oversees corporate risk management for BAFS Group.
- 2. RMC supervises the management of corruption risk, human rights, and other risks related to good corporate governance, business ethics, and the anti-corruption policy.
- 3. RMC reviews SWOT analysis results to develop BAFS Group strategies in line with the Group's Risk Appetite and Risk Tolerance.
- 4. RWG is responsible for providing recommendations on BAFS Group's risk management, evaluating risks and opportunities, and providing recommendations on corporate and functional risks. RWG also presents corporate risk assessments to the RMC.
- 5. RWG monitors risk management performance to ensure risks remain at acceptable levels. It promotes the use of IT systems in the Group's risk management processes and ensures that personnel have access to important risk-related information.

6.BAFS Group's Risk Appetite and Risk Tolerance must be approved by the RMC before implementation.

7.Employees who identify risks may affect BAFS Group or conflict with good corporate governance, business ethics, or anti - corruption policies must report them to their supervisor immediately for further management.



CLIMATE - RELATED RISKS AND OPPORTUNITIES MANAGEMENT PROCESS

BAFS IS FULLY AWARE OF CLIMATE - RELATED RISKS AND THEIR IMPACTS AND ENSURES THEY ARE EFFECTIVELY MANAGED THROUGH THE BAFS GROUP RISK MANAGEMENT FRAMEWORK.

IDENTIFICATION	ASSESSMENT	RESPOND			
PROCESS	PROCESS	PROCESS			
 ★ Define scope and gather climate - related data in operating areas. ★ Identify key assets, assess risks and opportunities, & engage stakeholders for insights. 	 ★ Conduct a comprehensive scenario analysis, assessing impacts and probabilities across both financial and non-financial dimensions. ★ Prioritize climate - related risks and opportunities according to their potential impact on operation, financial performance, and long - term sustainability. 	 ★ Integrate climate - related risks & opportunities into enterprise risk management to enhance the overall strategic decision - making processes. ★ Develop a mitigation plan based on climate-related risks and opportunities, monitor progress, and regularly report to relevant function. ★ Maintain an iterative approach to adapt to evolving climate conditions and business needs. 			
RESPONSIBLE FUNCTION	RESPONSIBLE FUNCTION	RESPONSIBLE FUNCTION			
★ Corporate risk management division.	★ Corporate risk management division.	★ Corporate risk management division.			
★ Risk management committee	Risk supervision working group	★ Risk supervision working group			
★ Risk supervision working group	★ Risk Owner	★ Risk Owner			
★ Risk Owner					

BAFS RISK & OPPORTUNITY MATRIX

	ALMOST CERTAIN (5)	Н	Н	Н	М	L	L	М	Н	Н	Н
	LIKELY (4)	Н	Н	М	М	L	L	М	М	Н	Н
LIKELIHOOD	POSSIBLE (3)	Н	М	М	М	L	L	М	М	М	Н
	UNLIKELY (2)	М	М	М	L	L	L	L	М	М	М
	RARE (1)	L	L	L,	L	L	L	L	L	L	L
		EXTREME (-5)	MAJOR (-4)	MODERATE (-3)	MINOR (-2)	INSIGNIFICA NT (-1)	Insignificant (+1)	MINOR (+2)	MODERATE (+3)	MAJOR (+4)	EXTREME (+5)
		RISK (NEGATIVE IMPACT)				OPPORTUNITIES (POSITIVE IMPACT)					

RISK PRIORITIZATION MATRIX: PHYSICAL

BAFS Group prioritize our risks based on their impact and likelihood using our Enterprise Risk Management framework. This helps us focus on the most important risks to our strategy, which are described as following.

ALMOST Н н М CERTAIN (5) LIKELY Н M M L POSSIBLE н M M M (1)UNLIKELY M M M (3) (2) RARE **EXTREME** INSIGNIFICANT RISK (NEGATIVE IMPACT)

RISK PRIORITIZATION MATRIX: TRANSITION

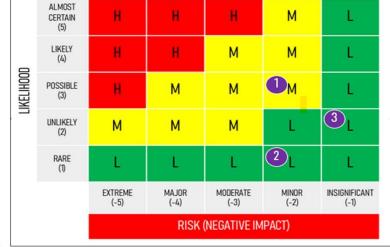
High risk

Medium risk

High opportunity

Medium opportunity

Low risk Low opportunity



HEAT STRESS

The gradual rise in temperature over time mayadversely impact the occupational health and safety of operation employees working in hot weather conditions for extended periods. BAFS is currently studying how to provide heat-related training, implement appropriate work scheduling and PPE requirements, and develop a medical response plan for heat - related illnesses and injuries.

FLOOD

Climate - related hazards such as heavy rainfall, tropical storms, and rising sea levels can cause flooding in our operational area, disrupting operations and damaging infrastructure. BAFS has prepared for floods by developing monitoring and early warning systems, emergency response plans, and infrastructure resilience measures. We also have fuel quality control and insurance coverage in place.

DROUGHT

Prolonged severe drought can reduce water availability and impact our fire suppression systems, which rely on water storage. BAFS has prepared for drought by developing water management and scarcity contingency plans.

CARBON TAX

BAFS is currently Implementing emission-reduction initiatives such as energy - efficient technologies and Sustainable Aviation Fuels (SAF).

FUEL PRICE

BAFS is reducing costs and improving efficiency in operation to offset the impact of high fuel prices and declining demand.

DATA REQUEST FROM INVESTOR AND REGULATOR

BAFS established data management and reporting teams and working on implementing digital solutions to streamline the process.



METRICS & TARGET

"COMMITTED TO CLIMATE ACTION: 30% EMISSIONS REDUCTION BY 2030, NET - ZERO BY 2050."

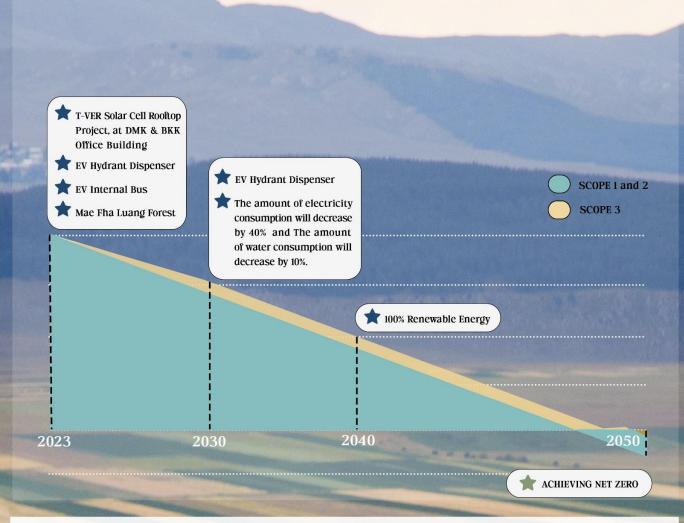
At BAFS, we are committed to reducing our environmental impact and tackling climate change. We have set ambitious targets to cut Scope 1 and Scope 2 emissions by 30% and Scope 3 emissions by 20% by 2030. These goals are central to our efforts to drive sustainability and take meaningful action across our operations and supply chain. Guided by our 'ZERO' strategy, we are working toward achieving Net - Zero emissions by 2050. This strategy includes adopting innovative technologies, enhancing energy efficiency, and collaborating with stakeholders to create a sustainable future. Through these actions, we aim to reduce our carbon footprint and contribute to a cleaner world for future generations.



NET ZERO STRATEGY

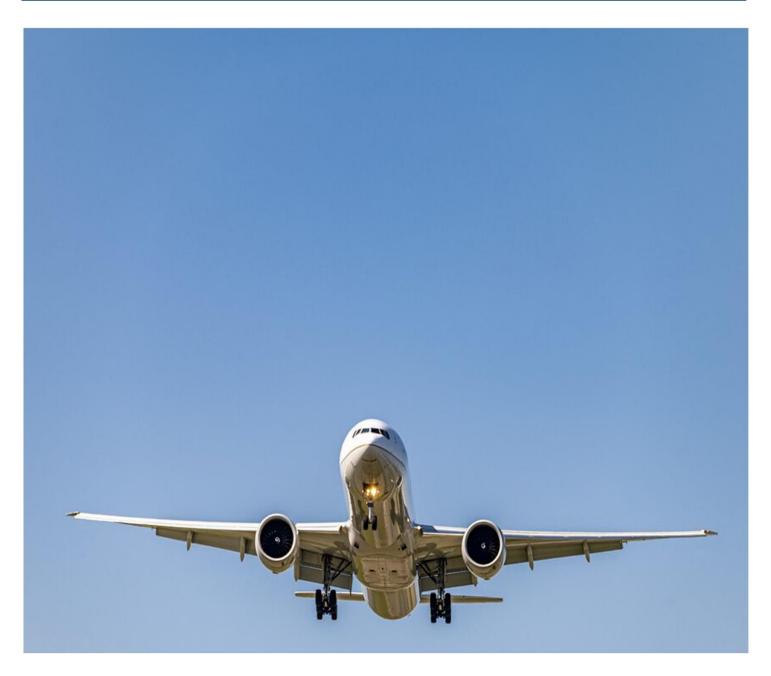
2023 - 2050





Our Net Zero Strategy (2023 – 2050) highlights key initiatives, including solar energy adoption, EV infrastructure, reforestation, and efficiency improvements in energy and water use. These efforts target 100% renewable energy by 2040, leading to Net Zero emissions by 2050.

BAFS ROAD TO NET ZERO



BAFS HAS SET AMBITIOUS GHG EMISSIONS REDUCTION TARGETS ALIGNED WITH OUR CLIMATE POLICY AND ZERO STRATEGY, AIMING FOR CARBON NEUTRALITY BY 2030 AND NET ZERO GHG EMISSIONS BY 2050. BAFS GROUP IS UNWAVERING IN OUR COMMITMENT TO BUILDING A STRONG, SUSTAINABLE BUSINESS WHILE STAYING TRUE TO OUR FOUNDING PURPOSE:

CLIMATE - RELATED MATRICES & METHODOLOGIES

METHODOLOGIES AND STANDARD USED



THAILAND GREENHOUSE GAS MANAGEMENT ORGANIZATION



INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)

METRICS

- SCOPE 1: DIRECT GHG EMISSIONS
- SCOPE 2: ENERGY INDIRECT GHG EMISSIONS
- SCOPE 3: OTHER INDIRECT GHG EMISSIONS

SCOPE COVERED

SCOPE 1



FUEL CONSUMPTION, LPG, CO₂ FIRE EXTINGUISHER, WASTE WATER TREATMENT CH₄, REFRIGERANT R - 134a, etc.

SCOPE 2



INDIRECT EMISSIONS FROM
THE GENERATION OF PURCHASED ENERGY.

SCOPE 3



PAPER



WATER



FUEL CONSUMPTION (DIESEL) MOBILE COMBUSTION



FUEL CONSUMPTION (GASOLINE) MOBILE COMBUSTION



FUEL CONSUMPTION (SHIP OIL) MOBILE COMBUSTION



FUEL CONSUMPTION (GASOLINE) STATIONARY MOBILE COMBUSTION



ELECTRICITY



GENERAL & HARZADOUS WASTE



INTERNAL BUS



OVERSEA AIR TRAVEL ECONOMIC & BUSINESS (SHORT & LONG HAUL)



DOMESTIC FLIGHT



EMPLOYEE COMMUTING



METRICS AND TARGETS

37%

28%

SCOPE 1 1,753 tCO₂eq SCOPE 2
2,369
tco,eq

SCOPE 3 2,204 tCO₂eq

35%



SCOPE 1: DIRECT EMISSION

Direct emissions in this scope primarily originate from vehicle fuel, accounting or 94% (1,558 tCO $_2$ eq). Fugitive emissions from refrigerants contribute 6% (94 tCO $_2$ eq), while water supply usage accounts for less than 1%. Other minor sources also contribute small amounts to emissions in this scope.



SCOPE 2: INDIRECT EMISSION

Indirect emissions from purchased electricity constitute the largest share of all emission activities. This is because many of the processes in BAFS offices rely heavily on electricity, making it the most significant contributor in this category.



SCOPE 3: OTHER INDIRECT EMISSION

Other indirect emissions, classified under Scope 3, primarily originate from employee commuting, which contributes 1,165 tCO $_2$ eq. Additional significant sources include general waste (147 tCO2eq), internal bus operations (183 tCO $_2$ eq), paper usage (28 tCO2eq), and overseas air travel (22 tCO $_2$ eq).

ROAD TO NET ZERO





BAFS is driving impactful climate action with ambitious GHG reduction targets. By 2030, we will cut emissions by 20% across all Scopes (1, 2, and 3). By 2040, this reduction grows to 60%, positioning BAFS as a leader in sustainability. These milestones culminate in achieving Net Zero emissions by 2050, showcasing our commitment to a greener, more sustainable future.

"Scope 1, 2, and 3 emissions will be reduced by 20%."

NEAR - TERM TARGET



LONG - TERM TARGET

