



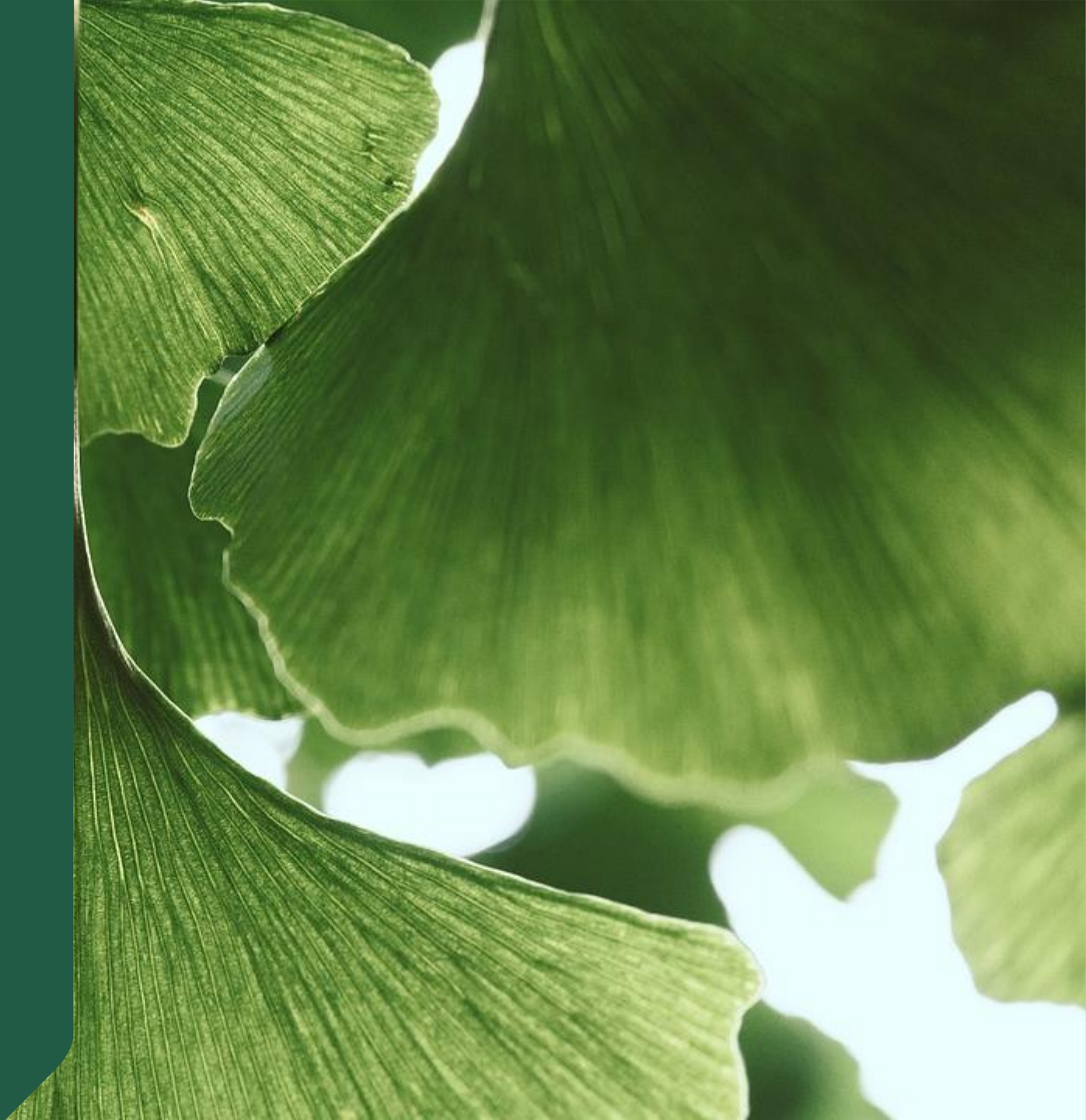
Raiffeisen Bank Zrt. **Allocation & Impact Report**

Reporting period: 31.12.2023.

Presentation **Contents**

- 01** Introduction
- 02** Facts at a Glance
- 03** Allocation Report
- 04** Impact Report
- 05** Methodology
- 06** Disclaimer
- 07** Contact Details

Introduction



COMMITMENT TOWARDS SUSTAINABLE FINANCE

Raiffeisen Bank Zrt.'s adherence to the **UNGC** principles, the **UN Principles for Responsible Banking**, **SDGs** and other international commitments are the reflection of the banking group's core values and its unwavering commitment to driving positive change.

RBI'S SUSTAINABLE FINANCE COMMITMENTS

- 2019: RBI - a signatory of the UN Global Compact (UNGC)
- 2021: RBI – a signatory of the UN Principles for Responsible Banking (PRB)
- 2022: RBI's science-based climate targets approved by the Science Based Targets initiative (SBTi)

RBI'S GREEN & SUSTAINABILITY BOND PROGRAM

In **2018 Green Bond Program** has been launched in RBI to help redirect capital flows to green real estate, energy efficiency, clean transportation, and renewable energy.

RBI AG has supported Network Banks in their green and sustainability bond issuance journey by developing the underlying Green and Sustainability Bond frameworks, which reflect the local bank's business practices, processes, and systems.

The presence of Sustainability Bond frameworks enables RBI Network Banks to issue Green, Social, or Sustainability Bonds, as the case may be.

RAIFFEISEN BANK ZRT.'S SUSTAINABLE BOND PROGRAM

In **2022**, Raiffeisen Bank Zrt. **launched** its **Sustainable Bond issuance program** with the aim to promote sustainable lending in Hungary based on the Sustainable Bond Framework published in the same year. The Framework is aligned with the ICMA Green Bond Principles, ICMA Social Bond principles and ICMA Sustainability Bond Guidelines.

Raiffeisen Bank Zrt. has issued USD 50 million bonds.

 Raiffeisen Bank

XS2498900906
\$ 50 000 000*

4NC3, USD
Green Bond
Due 07/2026

Facts at a Glance

As of 31.12.2023



Raiffeisen Bank Zrt. has grown its eligible **Green Loan Portfolio to €273 Mn.** The investment in its Sustainable Bonds supports the environmental targets with a reduction of CO₂ emissions of **2,042 CO₂ metric tons per annum per €1 Mn invested.**

Green Bonds

€46,8 Mn

Green Loans

€93,8 Mn

CO₂ Saving

196,11 tCO₂

Allocation Report

As of 31.12.2023



SUMMARY

As of end of December 2023, **RBHU total Green Loan Portfolio** amounted to **€93,79 million** and was represented by **12 loans**. From this, €44.52 million have been allocated and disbursed, and a further €49.30 million have been signed and are available on client's credit accounts for further disbursement.

With regards to distribution by eligible category, the allocated loans finance assets within in 3 categories: "Green Buildings", "Renewable Energy" and "Clean transportation". In 2023, the highest volume of new project has been allocated within the Clean Transportation category.

Current Green Loan Portfolio contributes to **SDGs 7, 11** and **13**.

GREEN BUILDINGS

Raiffeisen Bank Zrt. supports the increase in energy efficiency and reduction of the carbon footprint of the **green buildings** through financing development, acquisition and/or ownership of new or existing buildings in residential and non-residential sectors.

The outstanding amount of allocated green building loans as of 31st Dec. 2023 stood at **€5 758 517**, with **7** loans representing approximately 6% of the total volume of allocated loans.

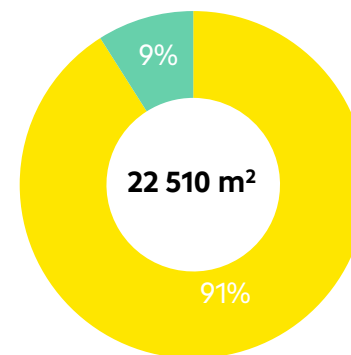
In total **22,510 m² of floor space** have been financed.

By the end of 2023, one green building certification project has been completed. Certificate type is LEED with Gold level. The largest share – 91% – of the green loans financing building in office sector and 9% in the commercial sector.

GREEN BUILDINGS LOAN PORTFOLIO BY CATEGORY

■ Office building ■ Commercial Buildings

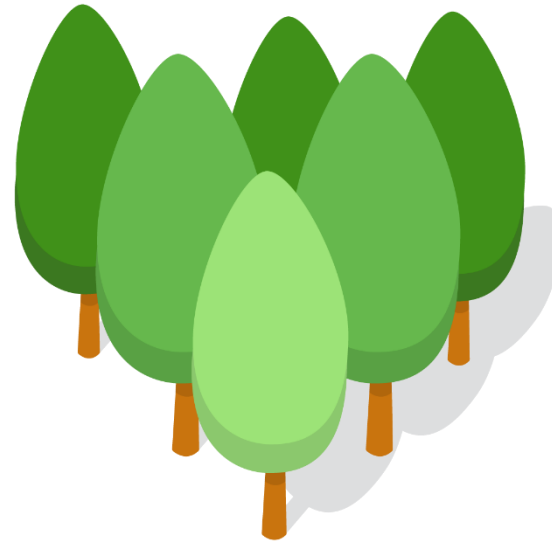
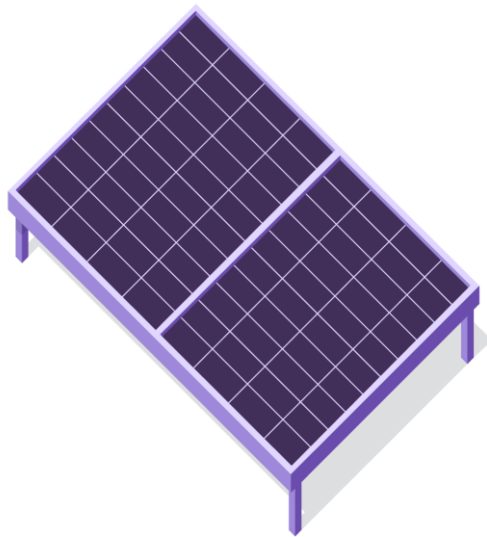
BY CATEGORY, %



RENEWABLE ENERGY

The outstanding amount of allocated renewable energy loans as of 31. Dec. 2023 is **€ 38,6 mn**, with **4** loans representing 42% of the total volume of RBHU Green Loan Portfolio.

Energy generation form solar power is **the sole renewable energy category** financed.



CLEAN TRANSPORTATION

The disbursed amount in the Clean Transportation category is **€154 150**, represented by **1** loan, or approximately 52% of the total RBHU Green Loan Portfolio.

The asset financed within this category represents **manufacturing of copper foil of batteries for electric vehicles**. This can be related to 28,963 tCO₂ savings.



Impact Report

As of 31.12.2023



By the end of 2023, Raiffeisen Bank with its Green Loan Portfolio contributed to **avoiding 196,112 tCO₂ emissions** in three categories. Detailed description of the methods for calculating the impact can be found in the Methodology section in this document.

GREEN BUILDINGS

The real estate projects included in the eligible green portfolio have lower energy consumption than the average level for real estate in Hungary.

This leads to an annual reduction in greenhouse gas emissions of 145,098 tCO₂ per year, representing approx. 25 197,11 tCO₂ per EUR 1 Mn invested.

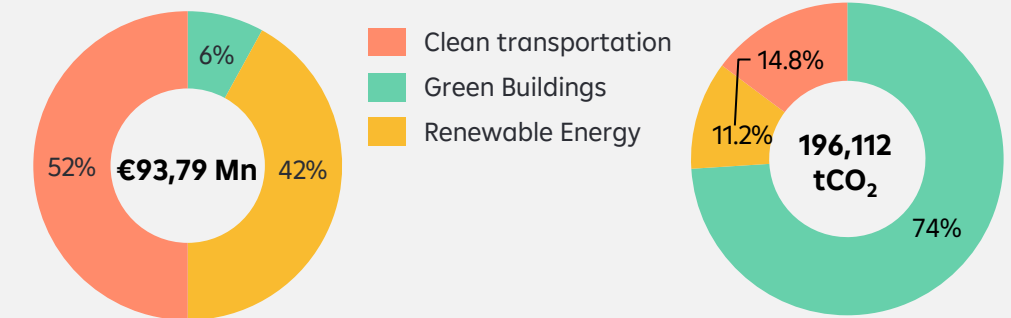
ENERGY RELATED METRICS

Average energy consumption of baseline portfolio	275 kWh/m ² per year
Average energy consumption of Raiffeisen Bank green buildings portfolio	223 kWh/m ² per year
Average energy saving per m ² per year	19%
Total reduction in final energy use	32 kWh/m²

RENEWABLE ENERGY

Raiffeisen Bank's renewable energy loan portfolio generated an estimated annual saving of 22,050 tCO₂, equivalent to approximately 558,57 tCO₂ per EUR 1mn invested. All emissions savings are generated by financing solar energy generation projects. The annual renewable electricity production is approx. 308,924,843 kWh.

SHARE OF PORTFOLIO AND IMPACT BY ELIGIBLE CATEGORIES



CLEAN TRANSPORTATION

Total annual avoided emissions related to Raiffeisen Bank's allocated clean transportation loan portfolio stood at 28,964 tCO₂, equivalent to approx. 596,49 tCO₂ per EUR 1 mn invested.

The emissions savings are generated through financed manufacturing of battery copper foils for electric vehicles. The annual production of copper foil supports approx. 335,229 electric vehicle batteries, which have a 30% lower carbon impact compared to a standard gasoline vehicle.

Methodology

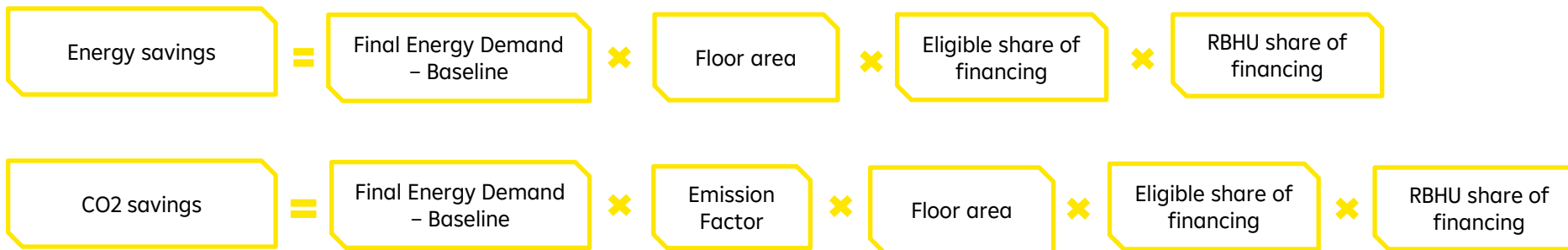


CARBON AND ENERGY IMPACT METHODOLOGY

Raiffeisen Bank Zrt. (RBHU) used the following methodology, applied on a line-by-line basis, to estimate the total impact of the financed green buildings projects:

- The methodology has been developed by RBI AG.
- The Final Energy Demand consumption values documented in the Energy Performance Certificates (EPCs) are used. Furthermore, floor area of financed buildings is extracted from EPCs.
- Green building certifications, the location and the type of use could be used as a proxy to refine the collected data when necessary.

- Energy savings are calculated against baseline values and actual values provided in the EPCs for residential and non-residential real estate projects. Energy savings are then converted into carbon savings based on the emission factors.
- National energy demand baselines are calculated individually and displayed in the EPCs. Emission factors benchmarks have been considered on a national basis (source: Enerdata Information Services Suite for Global Energy & Climate expertise, Odysee database <https://www.enerdata.net/>)
- Eligible share of financing is the share of financing which met the eligibility criteria described within the RBHU Sustainability Bond framework.
- RBHU share of financing represents the share of RBHU loan in the whole project financing.

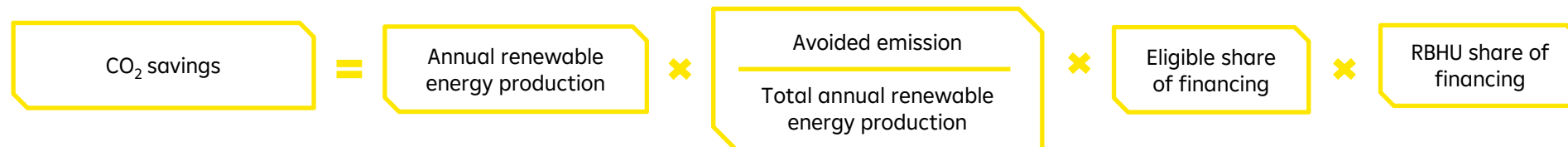


CARBON IMPACT METHODOLOGY

Raiffeisen Bank Zrt. (RBHU) used the following methodology, applied on a line-by-line basis, to estimate the total impact of the financed renewable energy projects:

- The methodology has been developed by RBI AG.
- Avoided emissions calculator from International Renewable Energy Agency (IRENA)* was used in order to estimate GHG emissions avoided due to electricity generation from renewable energy sources compared to baseline fossil fuel generated electricity in various countries (benchmark values for 2020). The calculator allows to differentiate between various renewable energy technologies, such as bioenergy, hydropower, solar photovoltaic, wind power, etc. The calculator calculation assumes that the renewable energy generated in a particular year in the country concerned replaces fossil fuel generated electricity produced using the national default mixes.

- To derive the avoided CO₂ emissions for the financed renewable energy technologies projects in the countries concerned, the Bank scaled down the emission benchmarks from IRENA using the estimated energy annual energy production of the financed capacity.
- For the calculation of the annual energy generation capacity data were provided by the clients.
- Eligible share of financing is the share of financing which met the eligibility criteria described within the RBHU Sustainability Bond Framework.
- RBHU share of financing represents the share of RBHU loan in the whole project financing.
- * [Link to IRENA](#)

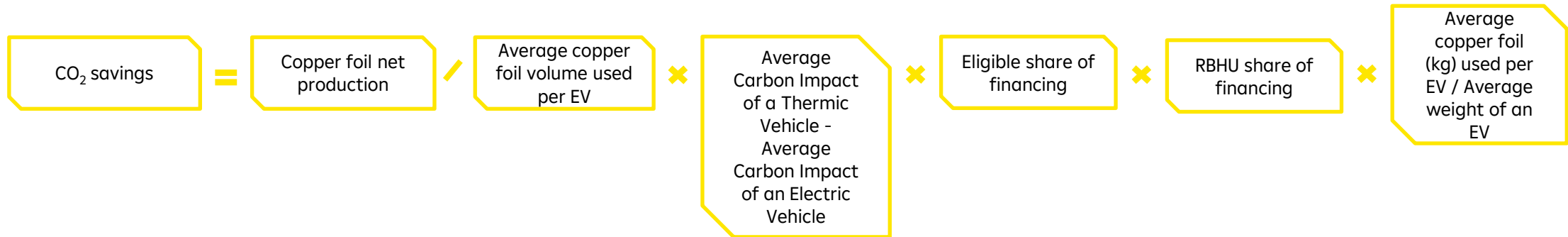


CARBON IMPACT METHODOLOGY

COPPER FOIL FOR BATTERIES FOR ELECTRIC VEHICLES

Raiffeisen Bank Zrt. has developed the following methodology to estimate the total impact of the copper foil factory assuming that each battery is powering a single vehicle:

- The client provided the following data: copper foil net production, average copper foil used per EV, contribution in EV production of the company, average carbon impact of a standard gasoline vehicle, average carbon impact of an EV.
- Eligible share of financing is the share of financing which met the eligibility criteria described within the Sustainability Bond Framework.
- RBHU share of financing represents the share of RBHU loan in the whole project financing.
- The total CO₂ saving for electric vehicles is discounted by the copper foil and average electric vehicle weight ratio. Please note, that in 2022 Allocation and Impact Report the methodology did not include this step, therefore the calculation for the CO₂ saving was significantly higher.



Annex

As of 31.12.2023



Table 1: RBHU's Total Green Bonds Issued AS OF 31.12.2023

Table 2: Allocation Volumes by Eligible Category AS OF 31.12.2023

ISSUER	FORMAT	ISIN	CCY	ISSUE DATE	MATURITY DATE	NOMINAL AMOUNT IN EUR
RBHU	Green	XS2498900906	USD	07.2022	07.2026	46 877 930
Total						46 877 930

ELIGIBLE CATEGORY	DISBURSED AMOUNT IN €	NOT DISBURSED AMOUNT IN €	TOTAL ALLOCATED AMOUNT IN €	TOTAL ALLOCATED AMOUNT IN %
Green Buildings	5 758 517	-	5 758 517	6%
Clean Transportation	154 150	48 403 009	48 557 159	52%
Renewable Energy	38 604 802	871 170	39 475 972	42%
Total	44 517 469	49 274 179	93 791 648	100%

Table 3: Green Buildings and Related Certifications AS OF 31.12.2023

BUILDING TYPE	CERTIFICATION TYPE	CERTIFICATION LEVEL	CERTIFICATION STAGE	NR. OF BUILDINGS	DISBURSED AMOUNT IN € MN	TOTAL ALLOCATED AMOUNT IN € MN	TOTAL ALLOCATED AMOUNT IN %
Commercial Buildings	EPC	BB	Final	1	782 610	782 610	14%
Commercial Buildings	EPC	BB	Final	1	804 347	804 347	14%
Commercial Buildings	EPC	BB	Final	1	490 280	490 280	8%
Commercial Buildings	EPC	BB	Final	1	577 533	585 831	10%
Commercial Buildings	EPC	BB	Final	1	1 239 309	1 239 309	21%
Commercial Buildings	EPC	BB	Final	1	1 224 437	1 240 112	21%
Commercial Buildings	LEED	Gold	Final	1	640 000	640 000	11%
Total				7	5 758 517	5 782 490	100%

Disclaimer and Contact Details



This Document is intended to provide non-exhaustive, general information. The Allocation and Impact Report (Document) may contain or incorporate by reference public information or information based on sources believed to be reliable not separately reviewed, approved or endorsed by Raiffeisen Bank Zrt. and accordingly, no representation, warranty or undertaking, expressed or implied, is made and no responsibility or liability is accepted by Raiffeisen Bank as to the fairness, accuracy, reasonableness or completeness of such information.

This Document may contain statements about future events, procedures and expectations. None of these forward-looking statements in this Document should be taken as promises or commitments nor should they be taken as implying any indication, assurance or guarantee that the assumptions on which such future projections, expectations, estimates or prospects have been prepared are correct or exhaustive or, in the case of the assumptions, fully stated in this Document. In particular, no representation or warranty is given by Raiffeisen Bank as to any actual issue of any "Sustainability Bond" by Raiffeisen Bank.

Raiffeisen Bank may at any time amend or supplement this Document. However, Raiffeisen Bank undertakes no obligation to update, modify or amend this Document, the statements contained herein to reflect actual changes in assumptions or changes in factors affecting these statements or to otherwise notify any recipient if any information, opinion, projection, forecast or estimate set forth herein changes or subsequently becomes inaccurate.

This Document is not intended to be and should not be construed as providing legal or financial advice. It does not constitute an offer or invitation to sell or any solicitation of any offer to subscribe for or purchase or a recommendation regarding any securities, nothing contained herein shall form the basis of any contract or commitment whatsoever and it has not been approved by any security regulatory authority. The information contained herein has no regard to any investment objectives, financial situations or needs of any recipient. In no event shall Raiffeisen Bank or any of its directors, officers or employees have any liability or responsibility /to any person or entity for any direct or consequential loss, damage, cost, charge, expense or other liability whatsoever, arising out of or in connection with the use of, or reliance upon, the information contained in this Document.

The publication, distribution or use of this Document and of the information it contains may be subject to legal or regulatory restrictions in some jurisdictions. Entities or persons who might come into possession of it must inquire about the existence of such restrictions and comply with them. Raiffeisen Bank does not accept any liability to any person in relation to the distribution or availability and possession of this Document to or in any jurisdiction.



INVESTOR RELATIONS

John Carlson
Co-Head of Investor Relations

Raiffeisen Bank International AG
Am Stadtpark 9
1030 Vienna, Austria
Tel.: +43 1 71 707 3760
john.carlson@rbinternational.com

GREEN LOAN MANAGEMENT

Péter Kereskényi
**Head of Project, Real Estate and Syndicated
Finance**

Raiffeisen Bank Zrt.
1133 Budapest Váci út 116-118.
+36 20 519 6979
peter.kereskenyi@raiffeisen.hu

Bence Kovács
Relationship Manager - Project Finance

Raiffeisen Bank Zrt.
1133 Budapest Váci út 116-118.
+36 20 663 3996
bence.kovacs@raiffeisen.hu

IMPACT REPORTING

Katalin Csaplár
ESG & Sustainable Finance Expert

Raiffeisen Bank Zrt.
1133 Budapest Váci út 116-118.
katalin.csaplar@raiffeisen.hu

MEDIA OWNER/PUBLISHER

Raiffeisen Bank Zrt.
1133 Budapest
Váci út 116-118.
www.raiffeisen.hu

EDITORIAL TEAM/PRODUCTION

ESG & Sustainable Finance Experts:
Flora Breiner, Katalin Csaplár, Bence Kovács

EDITORIAL DEADLINE:

2.5.2024

Let's

Make it happen

