



# BNP PARIBAS GREEN BOND

## (2020 GREEN BOND REPORTING & METHODOLOGY NOTES)

March 2021



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# LATEST UPDATES ON BNP PARIBAS CSR POLICY

OVERVIEW OF THE SINGLE POOL OF ASSETS (2020)

BNP PARIBAS GREEN BOND: METHODOLOGY NOTES

EXTERNAL REVIEW

# Disclaimer

*This document and any other materials in relation to the securities described herein is only being distributed to, and is only directed at (i) persons in the United Kingdom who have professional experience in matters relating to investments who fall within the definition of “investment professionals” within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended (the “Order”) or are high net worth entities falling within Article 49(2)(a) to (d) of the Order, or (ii) are qualified investors (investisseurs qualifiés) as defined in Article 2(e) of Regulation (EU) 2017/1129 of the European Parliament and of the council of 14 June 2017 (the “Qualified Investors”) and (iii) persons to whom the distribution may otherwise lawfully be made (all such persons together being referred to as “Relevant Persons”). In France, the offer of the securities referred to herein will be made through a placement to Qualified Investors only pursuant to Article L. 411-2, 1° of the French Code monétaire et financier. The offer will not be made to retail investors. The following presentation or its distribution may under no circumstance constitute an offer within the meaning of article 1114 of the French Code Civil. Any investment or investment activity to which this document relates is available only to Relevant Persons and will be engaged in only with Relevant Persons. This document must not be acted or relied on by any persons who are not Relevant Persons.*

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*This presentation must be read in conjunction with the Base Prospectus dated July 3, 2020 as so supplemented (the “EMTN Base Prospectus”). Full information on BNP Paribas and the offer of the Notes is available in the EMTN Base Prospectus and on <https://invest.bnpparibas.com/>*



# BNP Paribas company purpose

- BNP Paribas has formalized a “company purpose” released
  - Elaborated under guidance from the BNP Paribas Executive Committee
  - Approved by the Board of Directors
  - Based on BNP Paribas’ Shared convictions, the Group Code of Conduct and the Engagement Manifesto
  - Communicated to all employees in January 2020 and available externally

*“BNP Paribas’ mission is to contribute to **responsible and sustainable growth** by financing the economy and advising clients according to the highest ethical standards”*

- The Group offers secure, sound and innovative financial solutions to individuals, professional clients, corporates and institutional investors while striving to **address the fundamental challenges of today with regard to the environment, local development and social inclusion**
- BNP Paribas employees aim to **deliver services that have purpose and relevance for clients and the world around them**
- The Group innovates in order to be a **leader in sustainable finance**
- BNP Paribas is developing the tools to **measure our environmental and social impact**



# A committed bank: 4 pillars and 12 commitments



## CSR is fully part of our corporate culture and strategy

- Executive Committee defines the CSR strategy
- Board of Directors approves the CSR strategy and the annual reporting
  - “Corporate Governance, Ethics, Nominations and CSR Committee” is in charge of ethics, sustainability and CSR since the Annual General Meeting of May 2016



# Our key CSR performance indicators

	CSR metrics	2018 Reference	2019 Results	2020 Results	2021 Targets
Economic responsibility	1 Share of loans to companies supporting the energy transition and sectors directly contributing to the SDGs	€ 168bn	€ 180bn	€ 188bn	Average of € 10bn increase per year over the period
	2 Percentage of employees trained in ethics and conduct issues	96.2 %	95.4 %	97 %	Maintaining > 95 % per year
Social responsibility	3 Percentage of women among the SMP population (Senior Management Position)	28 %	29 %	31 %	> 31 %
	4 Percentage of entities with more than 1,000 employees having made a commitment to disability	91 %	94 %	100 %	100 %
	5 Proportion of employees who completed at least two training courses during the previous 12 months	91.8 %	94.8 %	90.2 %	Maintaining > 90 %
Civic responsibility	6 Number of solidarity hours performed by the employees	305 000 hours	> 450 000 hours	> 510 000 hours	1 million hours
	7 Support (financing, investments on behalf of the bank and third parties) to associations and Social and Solidarity Economy enterprises	€ 5.6bn	€ 6.2bn	€ 6.3bn	€ 6.3bn
Environmental responsibility	8 Financing for renewable energies	€ 15.4bn	€ 15.9bn	€ 17.8bn	€ 18bn
	9 Greenhouse gas emissions in tons of CO <sub>2</sub> equivalent (tCO <sub>2</sub> eq) / full-time employees (buildings kWh, including IT, + business trips)	2.45 tCO <sub>2</sub> eq / FTE	2.32 tCO <sub>2</sub> eq / FTE	1.80 tCO <sub>2</sub> eq / FTE	2.31 tCO <sub>2</sub> eq / FTE

➤ Integration of CSR criteria in the calculation of annual variable compensation of the Executive Corporate Officers and of deferred variable compensation plan of > 7,700 Group key employees



# Unprecedented mobilization for solidarity and financial inclusion



## EMERGENCY SUPPORT PLAN IN RESPONSE TO THE HEALTH CRISIS: 60 MILLIONS EUROS



Support to **hospitals and to medical research**: funds transferred to multiple hospitals worldwide; as well as to medical research institutes (Institut Pasteur)



Actions in favour of **vulnerable populations**: support to institutions committed to help people in need (the Red Cross, Food Banks, Care, Doctors Without Borders, Adie, ...)



Support to **young citizens** suffering from the digital divide: provision of computers and digital keys and digital inclusion programmes through partner associations



● **RECORD BUDGET FOR THE GROUP'S PHILANTHROPIC ACTIVITIES (104.1 MILLION EUROS)**  
IN 2020, SUPPORTED BY THE COMMITMENT OF ALL BNP PARIBAS' ENTITIES COMMITMENT SINCE THE BEGINNING OF THE PANDEMIC



- 88 % dedicated to solidarity
- 7 % dedicated to **culture**
- 5 % dedicated to the **environnement**



Supporting **the integration of refugees** since 2015, across 10 European countries : language courses, professional development



Stronger support to **Microfinance Institutions** (MFIs), which have been severely impacted by the pandemic, through the preservation of credit lines and the availability of a total € 1,2M in in loans *ad honorem* for individuals at risk



**More than €1M distributed in 2020** to associations that are historical partners with the Rescue & Recovery Fund (Care, the French Red Cross, Doctors Without Borders), to which has been added the NGO IFAW in 2020, which works in favor of biodiversity



● **1.9 MILLION NICKEL ACCOUNTS** HAVE BEEN OPENED BY THE END OF 2020  
THIS SERVICE IS NOW AVAILABLE IN SPAIN WITH A TARGET OF 700,000 CLIENTS BY THE END OF 2024



# Staff members are committed to contribute to our social responsibility



- BNP Paribas has reached the goals set in 2018 by the UN's **HeForShe** initiative: **increasing diversity within market activities** (at least 40% of women among the fresh graduate recruits ; +40% of women holding senior management roles) and commits to increase the share of women **in IT** (32% to 37% by 2024)



- BNP Paribas has extended the ratification of the **charter #JamaisSansElles**. The whole Group's G100 commits to not participate in any forum, panel discussion nor conference of at least 3 speakers, if no woman speaker is included



- Introduction of « We Engage », a **training program focused on sustainable finance and on current social and environmental issues**. It is available for all circa 200,000 staff members of the Group



# Supporting our clients through energy and ecological transitions



- BNP PARIBAS HAS ANNOUNCED **A COMPLETE EXIT STRATEGY FROM THE WHOLE SUPPLY CHAIN OF THERMAL COAL** BY 2030 IN EUROPEAN UNION AND OECD COUNTRIES, AND BY 2040 IN THE REST OF THE WORLD
- 50 companies have already been excluded from the bank's portfolio  
25 new companies have been added to the monitoring list. A final decision will be taken by the end of 2021



- **17.8 BILLION EUROS BY THE END OF 2020** DEDICATED TO FINANCING THE RENEWABLE ENERGY SECTOR, IN LINE WITH THE 18 BILLION EUROS TARGET FOR 2021
- BESIDES, BNPP IS RANKED **2<sup>ND</sup> BANK IN THE EMEA REGION<sup>1</sup>** FOR PROJECT FINANCE IN RENEWABLE ENERGIES



- BNP PARIBAS IS **2<sup>ND</sup> BOOKRUNNER WORLDWIDE<sup>2</sup>** WITH **€10,8 BILLION IN GREEN BONDS** BY END-2020



- EXPANDED SUPPORT TO INNOVATIVE STARTUPS : **THE ECOLOGICAL TRANSITION** (BIODIVERSITY, CIRCULAR ECONOMY, SUSTAINABLE FOOD PRODUCTION) **IS INCLUDED TO COMPLEMENT THE ENERGY TRANSITION**



- **GREEN INVESTMENTS ACCOUNT FOR €26.6 BILLION BY END-2020** (BNPP ASSET MANAGEMENT'S GREEN FUNDS AND BNPP CARDIF'S GENERAL FUNDS)



- ARVAL STRENGTHENS ITS EFFORTS IN FAVOR OF SUSTAINABLE MOBILITY SERVICES : TARGET OF **500,000 ELECTRIC VEHICLES AVAILABLE FOR RENT BY 2025**, NAMELY 25% OF TOTAL FLEET



# BNPP position in extra-financial rankings and sustainable indexes

## Main extra-financial ratings

**No.1 out of 31 companies** in “diversified banks in Europe” industry and **no.9 of 4,906 companies** rated worldwide in **V.E’ 2020 rating (71/100)** as of January 2021)



Now a Part of **S&P Global**

**No.1 French bank and no.6 European bank** out of 254 banks in SAM’s 2020 rating, i.e. in the **top 7%** companies of the “Banks” sector (**81/100** as of November 2020)

BNP Paribas received a score of **AA** in **MSCI ESG Ratings** (September 2020)



**83/100** in the **Gaia Rating** (Ethifinance)



In **top 10%** and among “**Industry Leaders**” of **ISS ESG Corporate Rating** in the “Commercial Banks & Capital Markets” sector (**C+ Prime** as of July 2020)

BNP Paribas received a score of **A-** to the **Carbon Disclosure Project** rating (December 2020)

**1st company of the CAC 40** for strategy and climate actions in 2020 (EcoAct Ranking)

## Presence in the sustainable indexes

### S&P Dow Jones Indices

A Division of **S&P Global**

BNP Paribas is listed in the **Dow Jones Sustainability Indices World & Europe** (Nov 2020)



BNP Paribas is listed in **Euronext-Vigeo Eiris indexes** World 120, Europe 120, Eurozone 120, France 20 (January 2020)

**BMCI** maintains its presence in **Vigeo Eiris’ Best 100 Emerging Market Performers Ranking** (January 2021)



FTSE4Good



## Other rankings and CSR prizes



BNP Paribas among the **2021 “Global 100 Most Sustainable Corporations”** ranking (46<sup>th</sup>) as **1<sup>st</sup> French and second European bank**



**European leader in managing climate-related risks** according to the NGO **ShareAction** (promoting responsible investment) in March 2020



World’s Best Bank for Financial Inclusion



**The Banker** Investment Banking Awards 2020

**INVESTMENT BANK OF THE YEAR FOR SOCIAL BONDS**



**The Banker** Investment Banking Awards 2020

**INVESTMENT BANK OF THE YEAR FOR SUSTAINABILITY-LINKED LOANS**



**The Banker** Investment Banking Awards 2020

**INVESTMENT BANK OF THE YEAR FOR SUSTAINABLE FIG FINANCING**



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LATEST UPDATES ON BNP PARIBAS CSR POLICY

# OVERVIEW OF THE SINGLE POOL OF ASSETS (2020)

BNP PARIBAS GREEN BOND: METHODOLOGY NOTES

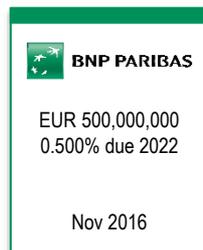
EXTERNAL REVIEW

# BNP Paribas: a frequent Issuer in the Green Bond Market

- BNP Paribas is a repeat issuer in the green bond space with already a good track record of issuing successful transactions with a robust and transparent asset selection process
- BNP Paribas continues to offer investors further insight into its sustainability strategy in line with its commitments, mainly with public issuances.

## INAUGURAL GREEN BOND ISSUANCE

- Inaugural issuance in Senior Preferred format
- Rating: A1/A/A+/AA(Low) by Moody's / S&P / Fitch / DBRS
- Maturity of long 5-year
- Pricing at €MS+40bps
- Coupon: 0.500%
- SPO by oekom
- Assurance Report by EY



## SECOND GREEN BOND ISSUANCE

- Issuance in Senior Non-Preferred format
- Rating: Baa1/A-/A+/A(High) by M/S&P/Fitch/DBRS
- Maturity of 6yr
- Pricing at €MS+55bps
- Coupon: 1.000%
- SPO by oekom
- Assurance Report by EY



## THIRD GREEN BOND ISSUANCE

- Second Issuance in Senior Non-Preferred format
- Rating: Baa1/A-/A+/A(High) by M/S&P/Fitch/DBRS
- Maturity of 5.5-year
- Pricing at €MS+100bps
- Coupon: 1.125%
- SPO by ISS-Oekom
- Assurance Report by EY



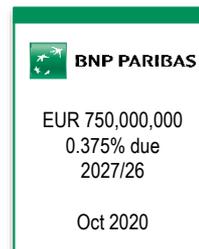
## FORTH GREEN BOND ISSUANCE

- Third Issuance in Senior Non-Preferred format
- Rating: Baa1/A-/A+/A(High) by M/S&P/Fitch/DBRS
- Maturity of 6.5-yr NC 5.5year
- Pricing at €MS+75bps
- Coupon: 0.500%
- SPO by ISS-Oekom
- Assurance Report by EY



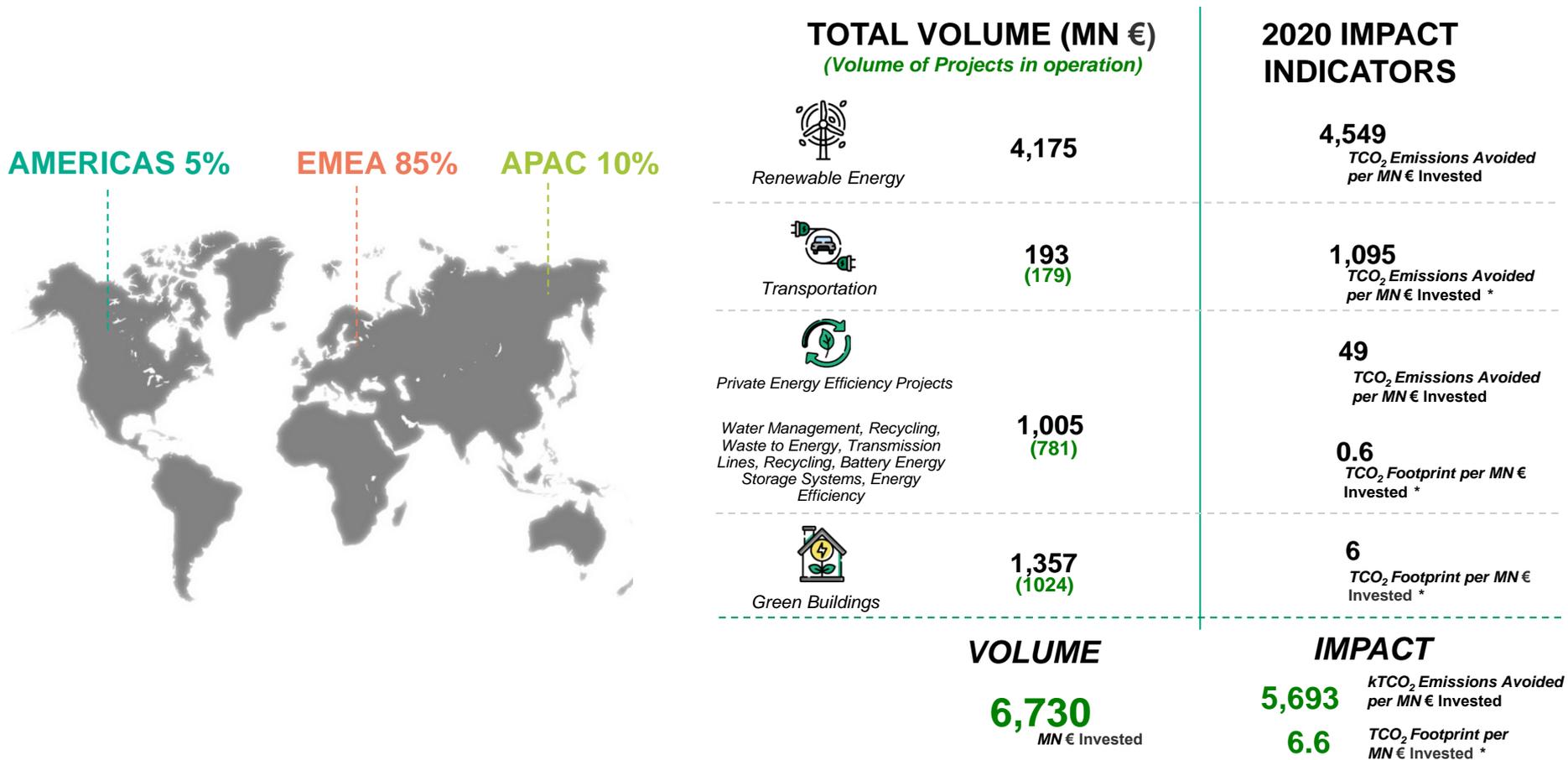
## FIFTH GREEN BOND ISSUANCE

- Fourth Issuance in Senior Non-Preferred format
- Rating: Baa1/A-/A+/A(High) by M/S&P/Fitch/DBRS
- Maturity of 7-yr NC 6-yr
- Pricing at €MS+80bps
- Coupon: 0.375%
- SPO by ISS-ESG
- Assurance Report by EY



# Green Bond: 2020 Annual Report

- The use of proceeds of BNP Paribas are aligned with the Green Bond Principles defined by ICMA. Green Assets contributing to BNP Paribas Green Bond issuances amount to **c. €6.73 bn** (total drawn amount), backing up €3.62 bn Green Bond issuances, as of end of December 2020.
- 100% of the proceeds are used for the financing of existing Renewable Energies, Clean Transportation, Green Buildings, Water Management and Energy Efficiency projects. 26% of these projects are still under construction.



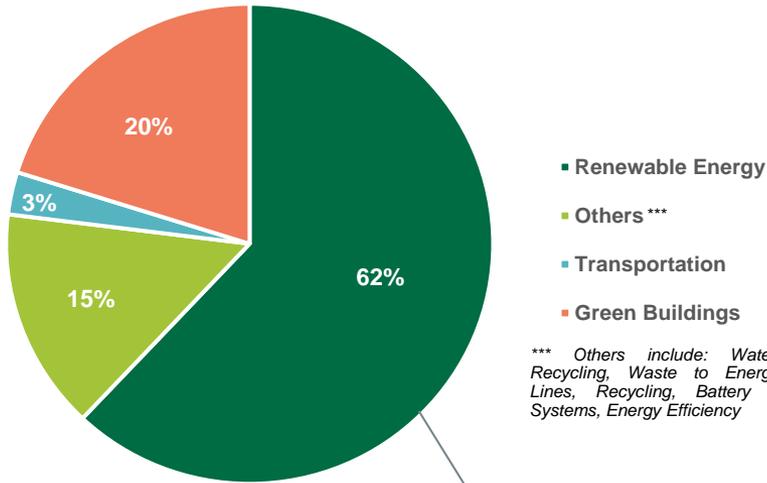
\* Considering projects in operation only



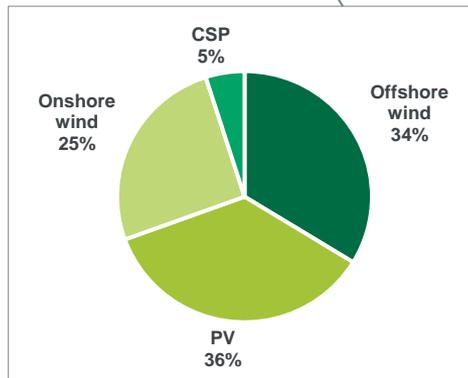
# 2020 Annual Report : Overview

## Green Assets\* by Technology

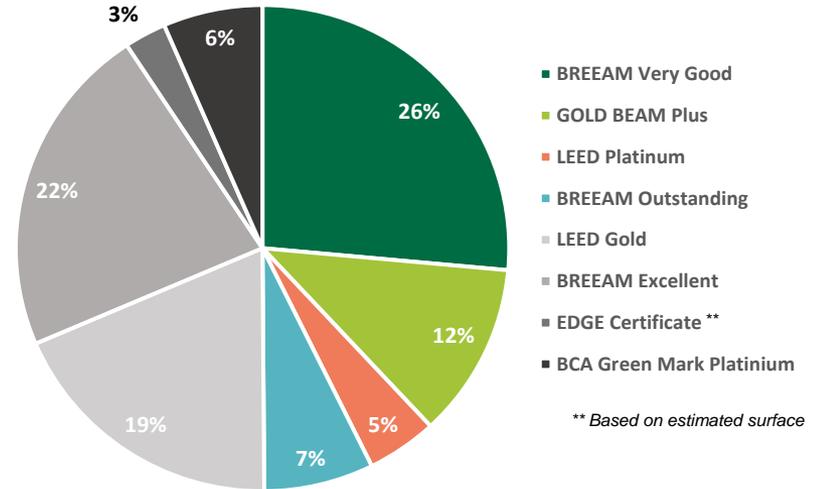
\* Based on drawn amounts as of 12/2020



\*\*\* Others include: Water Management, Recycling, Waste to Energy, Transmission Lines, Recycling, Battery Energy Storage Systems, Energy Efficiency



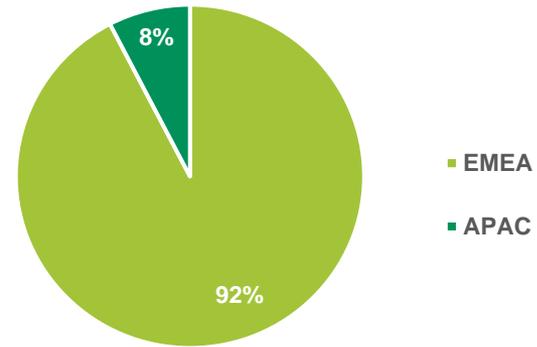
## Green Buildings: Floor Space by Certification



\*\* Based on estimated surface

## Green Buildings\* by Region

\* Based on drawn amounts as of 12/2020



# 2020 Annual Report : Sector deep-dive

## Renewable Energy

Technology	Countries	Number of Projects	Capacity (MW)	Annual Production (GWh)	Annual t CO2 avoided	BNP Paribas Amount of the financing (drawn) in Mn EUR (or EUReq) (31/12/2020)
PV		31	4,521	6,249	2,936,660 *	1,101
CSP	SP, PT, IR, NL, BE,	7	350	914	298,308	206
Onshore Wind	UK, FR, IT, AU, JP,	33	6,734	17,111	5,449,781	1,069
Offshore Wind	TW, MA, CL, US, PE, GB, IN	22	10,394	32,069	10,297,839	1,409
Private Rooftop Solar PV **		30,819		32	3,997	390
<b>TOTAL</b>		30,912	22,998	56,376	18,986,586	4,175
<b>Emissions Avoided Intensity</b> (t CO2 emissions avoided per MN € Invested)						4,549

\* Estimations based on EIA (Energy Information Administration) Energy Outlook; Emission factors were used for one project (accounting for 0.35% of the total Renewable Energy portfolio)  
\*\* Personal Finance assets

## Transportation

Technology	Countries	Number of Projects	Annual t CO2 avoided	BNP Paribas Amount of the financing (drawn) in Mn EUR (or EUReq) as of 31/12/2020
Electric Buses *	CL, FR, IT	2	38,346	57
Infrastructure		3	157,549	136
<b>TOTAL</b>		5 **	195,895	193
<b>Emissions Avoided Intensity</b> (t CO2 emissions avoided per MN € Invested)				1,095

\* Project scenario assumes that all new electrical buses will replace old EURO III buses (as per the client sustainability strategy)  
\*\* One of the projects (accounting for 7% of the total Transportation portfolio) is still under construction



# 2020 Annual Report : Sector deep-dive

## Green Buildings

Current Status	Countries	Number of Projects	Estimated Carbon Footprint (t CO2)	BNP Paribas Amount of the financing (drawn) in Mn EUR (or EURReq) as of 31/12/2020
Under Construction	SG, UK, IT, HK, FR, PT	5	-	333
Operating		13	6,305.02	1,024
<b>TOTAL</b>		18	6,305.02	1,357
<b>Emissions Intensity</b> (t CO2 emissions per MN € Invested)				6

Green Building Certifications: BREEAM Outstanding/Excellent/Very good, LEED Platinum/ Gold, Gold BEAM Plus, Edge Certification

## Other Eligible Green Assets

Category	Current Status	Countries	Number of Projects	Estimated Carbon Footprint (t CO2) *	BNP Paribas Amount of the financing (drawn) in Mn EUR (or EURReq) as of 31/12/2020
Water Management, Recycling, Waste to Energy, Transmission Lines, Recycling, Battery Energy Storage Systems, Energy Efficiency	Under Construction	TR, UK, BE, AU, SE, US, FR	5	-	224
	Operating		2	23.13	41
<b>SUB – TOTAL</b>			7	23.13	265
<b>Emissions Intensity</b> (t CO2 emissions per MN € Invested)					0.6

\* Carbon Footprint is estimated based on economic activity data collected from the projects borrower companies.

\*\* Water Management, Energy Efficiency, BESS, Recycling

Category	Countries	Number of Projects	Total Energy (GWh)	Annual t CO2 avoided	BNP Paribas Amount of the financing (drawn) in Mn EUR (or EURReq) as of 31/12/2020
Private Energy Efficiency Projects	FR		291.90	36,196	740
<b>TOTAL</b>			291.90	36,196	740
<b>Emissions Avoided Intensity</b> (t CO2 emissions avoided per MN € Invested)					49



# 2020 Scope Expansion : Personal Finance



## 2020 Scope Expansion : Personal Finance

- In 2020, BNP Paribas Green Bond Program has been expanded to include Personal Finance assets, with a total of **c. €1.13 bn financings to Renewable Energy and Energy Efficiency projects.**



### Renewable Energy

Total Assets: 390 mn EUR

Financing installation of Photovoltaic panels at customers home



30819 Photovoltaic projects

See for further details:

<https://www.cetelem.fr/fr/projet/cmonmag/energie/panneaux-solaires>

**PF: 3,997 TCO<sub>2</sub>**  
**GHG Emissions Avoided**



### Energy Efficiency

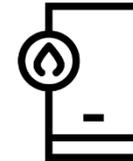
Total Assets: 740 mn EUR



double-glazed windows



isolation improvement



Boiler



climatization

Financial assistance for energy retrofit of private houses, including isolation improvement, upgrade to double-glazed windows, climatization, etc.

See for further details: <https://www.cetelem.fr/fr/guides/projets/eco-durables/financer-projet-travaux-eco-durables>

**PF: 36,196 TCO<sub>2</sub>**  
**GHG Emissions Avoided**



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# Examples of the new corporate green assets



## Viking Link Interconnector

- Project developed by National Grid
- The loan follows the guidelines set by the Loan Market Association's Green Loan Principles and is to fund a €2 billion subsea electricity cable, between the UK and Denmark.
- Named Viking Link, the 1400 MW cable will supply renewable energy to 1.4 million households.

<https://www.nationalgrid.com/national-grids-viking-link-interconnector-secures-first-multi-eca-green-loan-worth-us743m-0>



## Northvolt Battery Energy Storage Systems

- Northvolt is building Europe's first gigafactory, powered by renewable energy, with the aim of producing the world's greenest batteries.
- The factory is expected to go into full commercial operation by December 2022, accelerating the electrification of Europe's transport sector and propelling the continent further along the path to a more sustainable future.

[https://cib.bnpparibas.com/sustain/northvolt-greening-and-growing-europe-s-battery-market\\_a-3-3894.html](https://cib.bnpparibas.com/sustain/northvolt-greening-and-growing-europe-s-battery-market_a-3-3894.html)



## Redsol Renewable Energy

- Project developed by Scatec Solar. The loan aims at financing the 47 MW Redsol project in Malaysia.
- The solar power plant is expected to deliver 67 GWh of electricity per year
- The Redsol project was awarded under Malaysia's second large scale solar tender round in December 2017 and will be Scatec Solar's fourth solar power plant in the country.

<https://scatec.com/2018/12/21/scatec-solar-closes-financing-for-the-47-mw-redsol-project-in-malaysia/>





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# BNP PARIBAS GREEN BOND: IMPACT METHODOLOGY

EXTERNAL REVIEW

# Impact Methodology: Renewable Energy

The impact methodology described below refers to the Renewable Energy category, including Onshore/Offshore Wind, Concentrated Solar Power, Solar Photovoltaic and other technologies described in eligible categories.

The avoided emissions represent the total amount of GHG emissions which can be avoided by these renewable systems. The methodology used to compute the CO<sub>2</sub> emissions avoided relies on EIB's Project Carbon Footprint Methodologies\*.

$$\begin{array}{l} \text{Avoided GHG emissions} \\ \text{(in tCO}_2\text{eq / year)} \end{array} = \begin{array}{l} \text{GHG emissions of} \\ \text{the Renewable Project} \\ \text{(in tCO}_2\text{eq / year)} \end{array} - \begin{array}{l} \text{GHG baseline emissions of} \\ \text{project's country grids} \\ \text{(in tCO}_2\text{eq / year)} \end{array}$$



A diverse Renewable Energy portfolio with projects across EMEA (82%), APAC (10%) and AMERICAS (8%)



59% Wind Projects, 36% PV Projects and 5% CSP Projects

## 2020 IMPACT ASSESSMENT

**4 549 TCO<sub>2</sub>** GHG Emissions Avoided per MN EUR invested

**30 912** Renewable Energy Projects accounting for a total of 4 175 MN EUR.



# Impact Methodology: Transportation

The impact methodology described below refers to the Transportation category.

Similarly to the impact of Renewable Energy projects, the avoided emissions represent the total amount of GHG emissions which can be avoided by these infrastructures. When possible, BNP Paribas uses the actual GHG emissions avoided figures provided by the Project's Company. For metro lines, when no independent estimation is available, the estimated emissions of the project are calculated based SNCF CO2 Information for Transportation Services Methodology\*. The avoided emission are calculated assuming emissions occurred without the existence of the green project.

$$\begin{aligned} \text{Avoided GHG emissions} &= \text{Project Emissions} - \text{Base Scenario} \\ \text{(in tCO}_2\text{eq / year)} & & \text{(in tCO}_2\text{eq / year)} \end{aligned}$$

**Project Emissions** (in tCO<sub>2</sub> eq / year)

Average distance travelled by passenger x CO<sub>2</sub> emission per kilometer for a passenger/type of transport x Total number of passengers per year

**Base Scenario** (in tCO<sub>2</sub> eq / year)

(where the same passengers would use different means of transport if the Project did not exist)

## 2020 IMPACT ASSESSMENT



71% of the Transportation portfolio comprises of financings to Infrastructure projects (metro lines) and 29% to Electrical Buses.

**1 095 TCO<sub>2</sub> GHG Emissions Avoided per MN EUR invested \*\***

**4 Transportation Projects accounting for a total of 179\*\* MN EUR.**



# Impact Methodology: Green Buildings

The impact methodology described below refers to the Green Buildings.

The use of proceeds eligible to this category include acquisition and construction of green buildings with environmental certifications (i.e. BREEAM Outstanding/Excellent, LEED Platinum/Gold) and retrofit of commercial and public buildings.

The impact report, as for the previously reported categories, is presented on a portfolio basis and includes the following metrics

**Carbon Footprint  
(Green Buildings) portfolio**  
(in tCO<sub>2</sub>eq / year)

$$= \sum \frac{\text{Financed Amount}_b}{\text{Property Value at Origination}_b} \times \text{energy consumption}_{b,s} \times \text{floor area}_b \times \text{average emission factor}_{b,s}$$

*b : building, s : energy source*

## Green Building Environmental Certifications



## 2020 IMPACT ASSESSMENT

**6** TCO<sub>2</sub> per MN EUR invested \*

**13** Green Buildings operational  
accounting for a total of 1 024 MN EUR.

\* Excluding emissions of buildings still under construction (26%)



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# Impact Methodology: Other eligible categories

The impact of the remaining assets in BNP Paribas Green Bond Framework eligible categories. Here a basic attribution concept is applied. The eligible asset accounts for the portion (attribution factor) of the annual emissions of the project determined by the ratio between BNP Paribas outstanding amount and the total equity and debt of the financed project. The carbon footprint of each project is therefore calculated by multiplying the this portion (attribution factor) by the emissions of the respective project. For Private Energy Efficiency projects, GHG Emissions avoided are computed based on the Renewable Energy methodology (see slide 20).

**Carbon Footprint per eligible category**  
(in tCO<sub>2</sub>eq / year)

$$= \sum \frac{\text{Financed Amount}_p}{\text{Total (debt + equity)}_p} \times \text{Project emissions}^*$$

\* When project emissions are not available assumption based on the total GHG emissions per category in the project's country and total volume of financed assets per category will be considered.

*p : project*

36% Waste to Energy, 27%  
Transmission Lines, 25%  
Recycling and Water  
Management, 10 % BESS and 2%  
Energy Efficiency Projects



## 2020 IMPACT ASSESSMENT

**0.6 TCO<sub>2</sub> per MN EUR invested\***  
**2 projects fully operational**  
**accounting for a total of 41 MN EUR.**

\* Excluding projects under construction. Emissions are estimated based on economic activity data collected from the borrower company. These emissions are estimated using official statistical data/acknowledged environmentally extended input-output (EEIO) tables providing region- or sector-specific average emission factors expressed per economic activity





**BNP PARIBAS**

LATEST UPDATES ON BNP PARIBAS CSR POLICY  
OVERVIEW OF THE SINGLE POOL OF ASSETS (2020)  
BNP PARIBAS GREEN BOND: METHODOLOGY NOTES  
**EXTERNAL REVIEW**

# Post issuance second party opinion



SPO SECTION	SUMMARY	EVALUATION
Sustainability quality of the green bond portfolio	<p>The portfolio is aligned with the ESG selection criteria described by the Issuer's Framework.</p> <p>The overall sustainability quality of the green bond portfolio in terms of sustainability benefits, risk avoidance and minimisation is good based upon the ISS ESG assessment. The green bond is (re-)financing eligible asset categories including renewable energy, green buildings, pollution prevention and control, energy efficiency and clean transportation.</p> <p>Those use of proceeds categories have a significant contribution to SDGs 7 "Affordable and clean energy", 11 "Sustainable cities and communities", 12 "Responsible consumption and production" and 13 "Climate action". The environmental and social risks associated with those use of proceeds categories have been well managed.</p>	Positive
Annex 1: Green bond link to issuer's sustainability strategy	<p>According to the ISS ESG Corporate Rating published on 12.03.2021, the issuer shows a high sustainability performance against the industry peer group on key ESG issues faced by the financials/commercial banks and capital markets sector. The issuer is rated 1<sup>st</sup> out of 285 companies within its sector.</p> <p>The Use of Proceeds financed through this bond are consistent with the issuer's sustainability strategy and material ESG topics for the issuer's industry. The rationale for issuing green bonds is clearly described by the issuer.</p>	Consistent with issuer's sustainability strategy
Annex 2: Alignment with GBPs	<p>The issuer has defined a formal concept for its Green Bond Framework regarding use of proceeds, processes for project evaluation and selection, management of proceeds and reporting. This concept is in line with the ICMA GBPs. The full assessment can be found on <a href="#">BNP Paribas's website</a>.</p>	Positive

<sup>1</sup> ISS ESG's evaluation is based on the BNP Paribas Green Bond Framework (September 2020 version), on the analysed asset pool as received on the 24.02.2021, and on the ISS ESG Corporate Rating applicable at the SPO delivery date (updated on the 12.03.2021). ISS ESG underwent a controversy screening of the asset pool on the 03.03.2021

USE OF PROCEEDS	CONTRIBUTION OR OBSTRUCTION	SUSTAINABLE DEVELOPMENT GOALS
Wind Energy (Onshore & Offshore)	Significant Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
CSP	Significant Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
Solar P.V.	Significant Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
Residential Rooftop Solar P.V.	Significant Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
Transmission lines	Significant Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
Battery Energy Storage Systems	Significant Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
Energy Storage Systems	Significant Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
Green Buildings	Significant Contribution	11 SUSTAINABLE CITIES AND COMMUNITIES
Energy Efficiency	Limited Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
Recycling	Significant Contribution	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Bioenergy	Significant Contribution	13 CLIMATE ACTION
	Limited Contribution	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Electric Vehicles powered by electricity from the national grid	Limited Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
Electric Vehicles powered by renewable energy	Significant Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION
Assembly line facilities for electric components into hybrid vehicles	Limited Contribution	7 AFFORDABLE AND CLEAN ENERGY, 13 CLIMATE ACTION



# Independent Report from EY



- *“Report of the independent verifier on BNP Paribas’ 2020 Green Bond Reporting on the compliance of the green assets selected for the Green Bonds with BNP Paribas’ Green Bond Framework, on the impact reporting provided to investors and on the management of the net proceeds”*
  
- *“...we hereby present our report on BNP Paribas’ 2020 Green Bond Reporting (available on BNP Paribas’ website) on (i) the compliance of the green assets selected for the Green Bonds issued in November 2016, April 2018, February 2019, November 2019 and October 2020 with BNP Paribas’ Green Bond Framework (as of September 2020 and available on BNP Paribas’ website), (ii) the impact reporting of the green assets for the year 2019, and (iii) the management of the net proceeds (as of December 31, 2020).”*
  
- *“In our opinion, the green assets selected for the 2016, 2018, 2019 and 2020 Green Bonds issued by BNP Paribas and the impact indicators mentioned in the annual use of proceeds reporting, comply, in all material aspects, with BNP Paribas’s Green Bond Framework.”*

