

BNP PARIBAS

2019 GREEN BOND REPORTING

Fixed Income Presentation

February 2020

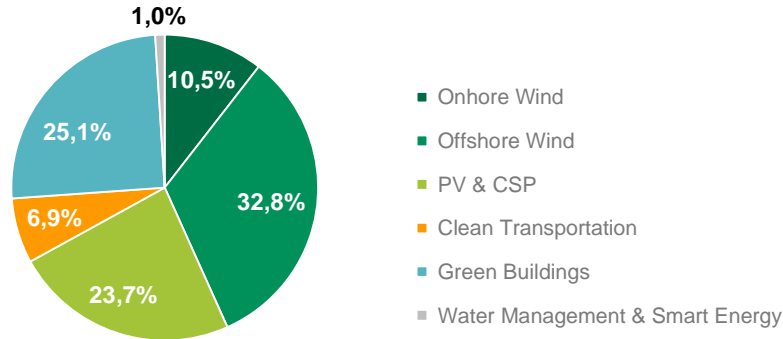


BNP PARIBAS

The bank for a changing world

Overview of Green Assets Pool

Green Assets* by technology



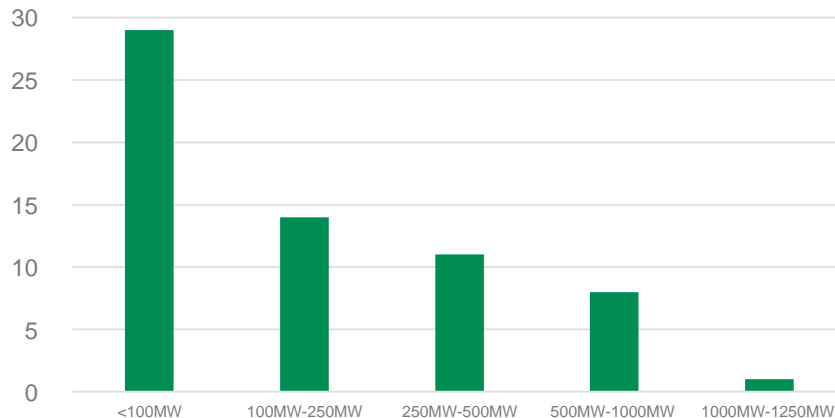
* Based on drawn amounts as of 12/2019

Green Assets* by geography



* Based on drawn amounts as of 12/2019

Number of Renewable Energy projects by capacity



- Green Assets of four green bond issuances amounting c. **€3.50bn (total drawn) as of end of December 2019** with an **average residual maturity of 6.4 years**.
- 100% of the proceeds are used for the refinancing of existing Renewable Energies, Clean Transportation, Green Buildings and Smart Energy projects.
- Well-known and established technologies in renewable energies for a total of 63 projects located in EMEA, APAC and Americas.

Reporting on Environmental Impact Indicators



BNP Paribas reporting is based on ICMA Harmonized Framework for Impact Reporting² (as of June 2019)

- For **Renewable Energies** sector, BNP Paribas is committed to report each year on:
 - Production achieved (information reported on a best effort basis)
 - Tons of CO2 equivalent avoided based on EIB Project Carbon Footprint Methodologies¹ (as of December 2018)

- The reporting cohort excludes projects that are not no longer part of the Green Bond Program, even those which have been financed over 2018. For projects under construction during the entire year or for the rare cases where actual production data was not available estimates have been made.

Sector	Technology	Country	Number of Projects	Capacity in MW	Estimated Annual Production in GWh	Estimated Annual t CO2 avoided	BNP Paribas drawn amount of the financing ³ (in K EUR)
Renewable Energies	Solar PV	SP, IT,CHL,MYS,FR,J, UK, AUS	18	2 917	5 179	2 336 645	703 733,34
	CSP	SP	5	250	410	150 407	126 199,00
	Onshore Wind	IRL, IT,SP,AUS,USA, FR, IRL	21	2 740	6 063	2 493 525	367 331,45
	Offshore Wind	PT,GE,BE,UK,USA, FR,TW,NL	19	8 938	31 643	12 820 268	1 150 621,14
TOTAL			63	14 844	43 296	17 800 845	2 347 884,93

¹ https://www.eib.org/attachments/strategies/eib_project_carbon_footprint_methodologies_en.pdf

² <https://www.icmagroup.org/assets/documents/Regulatory/Green-Bonds/June-2019/Handbook-Harmonized-Framework-for-Impact-Reporting-WEB-100619.pdf>

³ as of 31st December 2019



Reporting on Environmental Impact Indicators

- For **Transportation**, BNP Paribas is committed to report each year on the GHG emissions considering the following estimate³

Sector	Country	Nr of Projects	Line length (KM)	GHG emissions avoided kgCO2	BNP Paribas drawn amount of the financing ³ (in K EUR)
Clean Transportation	FR,IT,CL	4	366,60	252 154	240 844,00
TOTAL		4	366,60	252 154	240 844,00

- For **Green Buildings**, BNP Paribas is committed to report each year on Floor Space/Certification level, Energy Intensity and GHG emissions avoided (information reported on a best effort basis)

Sector	Country	Nr of Projects	Certifications	Floor Space (Sqm)	BNP Paribas drawn amount of the financing ³ (in K EUR)
Green Building	SP,IT,UK,FR	10	BCA Green Mark, LEED Gold, BREEAM Very Good, BREEAM Excelent	463 971	859 205,00
TOTAL		10		463 971	859 205,00

³ If possible, BNP Paribas is using actual GHG emissions avoided figures provided by Project's Company. If no independent estimation is available in the project documentation, BNP Paribas is estimating emissions avoided by calculating emissions that would have occurred without the project based on the methodology developed by SNCF "[CO2_Information For Transport Services](#)". Assumptions are also made regarding the breakdown of the means of transport that would have been used without the project



Independent report from EY



- “Report of the independent verifier on the compliance of the green assets selected for the Green Bonds issued in November 2016, April 2018, February 2019 and November 2019 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 (i) the compliance of the selected assets, reported in BNP Paribas’ 2019 Green Bond Allocation & Impact Report (available on BNP Paribas’ website), with BNP Paribas’ Green Bond Framework (as of November 2019 and available on BNP Paribas’ website), (ii) the impact reporting of the green assets for the year 2018, and (iii) the management of the net proceeds.”
- “In our opinion, the green assets selected for the 2016, 2018 and 2019 Green Bonds issued by BNP Paribas and the impact indicators comply, in all material aspects, with BNP Paribas’s Green Bond Framework. Also, on the basis of our work, we have no matters to report on the consistency of the drawn amounts of the selected green assets with the net proceeds of the bonds.”



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