



**Information regarding the impact, as of 30 June 2021, of the proceeds of the Green Renewable Energy Bonds issued by BPCE SA and Natixis SA since 2019**

Impact Report Green Renewable Energy





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## FOREWORD

The reporting was produced with respect to the Methodology Note dedicated to Green Renewable Energy Assets published on March 2019 and available on Groupe BPCE institutional website:

<https://groupebpce.com/en/investors/funding/green-bonds>



# 01 Issuances and Earmarked assets



## ISSUANCES

➤ BPCE SA issued a Eur 500M Green Renewable Energy in December 2019 and Natixis SA issued several bonds since May 2019:

Issuer – ISIN	Currency	Proceeds outstanding (expressed in currency)	Proceeds outstanding (expressed in EUR)	Issuance date	Repayment Date
BPCE SA - FR0013464930	EUR	500 000 000	500 000 000	04/12/2019	04/12/2024

Issuer - ISIN	Currency	Proceeds outstanding (expressed in currency)	Proceeds outstanding (expressed in EUR)	Issuance date	Repayment Date
NATIXIS SA - FR0013407442	EUR	30 000 000	30 000 000	03/05/2019	27/09/2027
NATIXIS SA - FR0013416633	EUR	10 037 000	10 037 000	03/05/2019	13/12/2029
NATIXIS SA - XS1818356211	EUR	5 900 000	5 900 000	28/06/2019	09/07/2027
NATIXIS SA - XS1818356484	EUR	561 000	561 000	28/06/2019	08/01/2024
NATIXIS SA - XS1818356302	USD	9 460 000	7 976 391	28/06/2019	08/07/2025
NATIXIS SA - XS1881333121	EUR	6 295 000	6 295 000	31/07/2019	08/08/2029
NATIXIS SA - XS1881333048	EUR	4 590 000	4 590 000	20/09/2019	01/10/2029
NATIXIS SA - XS1849377194	EUR	3 310 000	3 310 000	04/10/2019	02/10/2025
NATIXIS SA - FR0013454055	EUR	50 000 000	50 000 000	23/10/2019	19/10/2029
NATIXIS SA - FR0013466018	EUR	30 000 000	30 000 000	13/12/2019	14/12/2029
NATIXIS SA - FI4000410998	EUR	3 905 000	3 905 000	17/01/2020	02/02/2026
NATIXIS SA - FI4000414552	EUR	3 324 000	3 324 000	17/02/2020	03/03/2026
NATIXIS SA - FR0013480902	EUR	11 184 000	11 184 000	24/02/2020	10/04/2030
NATIXIS SA - FI4000415146	EUR	1 524 000	1 524 000	17/03/2020	31/03/2026
NATIXIS SA - FR0013495793	EUR	6 429 000	6 429 000	30/03/2020	29/05/2030
NATIXIS SA - FR0013505773	EUR	50 000 000	50 000 000	08/04/2020	08/04/2030
NATIXIS SA - FR0013508041	EUR	12 095 000	12 095 000	20/04/2020	24/07/2030
NATIXIS SA - FR0013509148	EUR	10 000 000	10 000 000	22/04/2020	29/12/2028
NATIXIS SA - XS1972462516	EUR	7 534 000	7 534 000	30/04/2020	14/05/2026
NATIXIS SA - FR0013515483	EUR	4 250 000	4 250 000	08/06/2020	20/06/2030
NATIXIS SA - FR0013518321	EUR	15 000 000	15 000 000	19/06/2020	19/06/2040
NATIXIS SA - XS2024039567	JPY	30 000 000	227 773	03/09/2020	04/09/2023
NATIXIS SA - XS2024039724	JPY	30 000 000	227 773	10/09/2020	11/09/2023
NATIXIS SA - XS2202980947	USD	114 000 000	96 121 417	10/12/2020	10/12/2030
NATIXIS SA - FR0014001608	EUR	13 811 000	13 811 000	11/01/2021	28/02/2031
NATIXIS SA - FR0014001MH2	EUR	7 815 000	7 815 000	01/02/2021	05/03/2029
NATIXIS SA - FR0014001MJ8	EUR	15 597 000	15 597 000	01/02/2021	05/03/2029
NATIXIS SA - FR0014001NA5	EUR	1 000 000	1 000 000	01/02/2021	03/02/2031
NATIXIS SA - XS2237619841	USD	30 000 000	25 295 110	12/03/2021	12/03/2031
NATIXIS SA - FR00140033F1	EUR	40 000 000	40 000 000	03/05/2021	03/07/2035
NATIXIS SA - FR0014003RI5	EUR	50 000 000	50 000 000	07/06/2021	30/07/2031
NATIXIS SA - XS2269737370	JPY	30 000 000	227 773	09/06/2021	10/06/2024
NATIXIS SA - XS2269737701	JPY	60 000 000	455 546	16/06/2021	17/06/2024
NATIXIS SA - XS2024031150	EUR	8 180 000	8 180 000	18/06/2021	18/06/2031
NATIXIS SA - XS2024031234	EUR	8 585 000	8 585 000	18/06/2021	18/06/2031
<b>Total</b>			<b>541 457 783</b>		



## EARMARKED ASSETS (1/2)

- Earmarked assets account for Eur 1,083M: Solar and Wind power generated projects account for the lion share of earmarked assets.

Breakdown by technology	On balance sheet exposure by technology (€)	%
Biomass projects	39 906 677	3,7%
Hydro projects	1 017 206	0,1%
Offshore wind projects	192 721 592	17,8%
Onshore wind projects	241 412 655	22,3%
Solar PV projects	608 188 410	56,1%
<b>Total</b>	<b>1 083 246 540</b>	<b>100%</b>

- The geographical dispersion highlights the share of projects located within the European Union:

Breakdown by Geographic Area	On balance sheet exposure by Geographic Area (€)	%
European Union (France excluded)	263 251 811	24%
France	430 636 663	40%
Latin America	82 190 070	8%
Middle East	45 969 911	4%
North America	21 532 021	2%
Australia and Taiwan	111 377 699	10%
United Kingdom	128 288 366	12%
<b>Total</b>	<b>1 083 246 540</b>	<b>100%</b>



## EARMARKED ASSETS (2/2)

➤ Dispersion by originating entities reflects the originating structure of Groupe BPCE:

	Originating entities	On balance sheet exposure (€)	%
Banques Populaires	BP GO	51 426 814	5%
	BRED	54 574 881	5%
	C COOP	22 879 555	2%
		<b>128 881 250</b>	<b>12%</b>
Caisses d'Epargne	CE APC	47 247 106	4%
	CE GEE	35 883 016	3%
	CE HDF	40 314 933	4%
	CE IDF	54 250 747	5%
	CE LR	48 456 063	4%
	CEPAC	55 071 426	5%
	<b>281 223 290</b>	<b>26%</b>	
	Energeco	26 684 217	2%
	Natixis	646 457 783	60%
	<b>Total</b>	<b>1 083 246 540</b>	<b>100%</b>



## 02 Installed capacity





## INSTALLED CAPACITY

- Total installed capacity represents 1.175 MW. The installed capacity is calculated with respect of the share of the amount of the earmarked asset in the total cost of the project.

Breakdown by technology	Installed Capacity by technology (MW)	%
Biomass projects	30,2	2,6%
Hydro projects	0,5	0,0%
Offshore wind projects	433,3	36,9%
Onshore wind projects	187,1	15,9%
Solar PV projects	524,0	44,6%
<b>Total</b>	<b>1 175,0</b>	<b>100%</b>

- In terms of geographical distribution:

Breakdown by Geographic Area	Installed Capacity by Geographic Area (MW)	%
European Union (France excluded)	176	15%
France	298	25%
Latin America	98	8%
Middle East	40	3%
North America	6	1%
Australia and Taiwan	467	40%
United Kingdom	91	8%
<b>Total</b>	<b>1 175</b>	<b>100%</b>

- For comparison purpose, the total installed capacity of the French Nuclear reactors park represents 61,4 GW\*.

\*<https://www.connaissancedesenergies.org/fiche-pedagogique/parc-nucleaire-francais>



## 03 Produced Energy



## PRODUCED ENERGY

- The two tables below present the estimated or stated output of the earmarked project. The calculation considers the share of the financing in the total cost of the project.
- In case estimated output is not available on a given project, calculation is either based on the average French performance by technology communicated by Réseau de Transport Electrique (RTE)\* or set at zero.

<b>Breakdown by technology</b>	<b>Energy Yearly output by technology (MWh)</b>	<b>%</b>
Biomass projects	89 607	5,2%
Hydro projects	1 184	0,1%
Offshore wind projects	460 884	26,7%
Onshore wind projects	409 116	23,7%
Solar PV projects	762 764	44,3%
<b>Total</b>	<b>1 723 555</b>	<b>100%</b>

<b>Breakdown by Geographic Area</b>	<b>Energy Yearly output by Geographic Area (MWh)</b>	<b>%</b>
European Union (France excluded)	354 545	21%
France	414 152	24%
Latin America	216 952	13%
Middle East	120 408	7%
North America	9 046	1%
Australia and Taiwan	382 542	22%
United Kingdom	225 909	13%
<b>Total</b>	<b>1 723 555</b>	<b>100%</b>

\*[https://assets.rte-france.com/prod/public/2021-03/Bilan%20electrique%202020\\_0.pdf](https://assets.rte-france.com/prod/public/2021-03/Bilan%20electrique%202020_0.pdf)



## 04 Avoided Greenhouse Gas Emission



## AVOIDED GREENHOUSE GAS EMISSION

- The two tables below present the amount of avoided greenhouse gas emission related to the earmarked assets. The calculation considers the share of the financing in the total cost of the project.
- The amount of avoided greenhouse gas is calculated thanks to the country factor published by the European Investment Bank\*

Breakdown by technology	Yearly Avoided Green House Gas Emission by Technology (KgCO2)	%
Biomass projects	1 998 237	0,3%
Hydro projects	46 518	0,0%
Offshore wind projects	218 916 384	38,2%
Onshore wind projects	78 824 471	13,8%
Solar PV projects	273 267 389	47,7%
<b>Total</b>	<b>573 052 999</b>	<b>100%</b>

Breakdown by Geographic Area	Avoided Green House Gas Emission by Geographic Area (KgCO2)	%
European Union (France excluded)	95 337 072	17%
France	12 332 560	2%
Latin America	93 290 676	16%
Middle East	79 410 700	14%
North America	1 062 921	0%
Australia and Taiwan	231 539 561	40%
United Kingdom	60 079 508	10%
<b>Total</b>	<b>573 052 999</b>	<b>100%</b>

- The discrepancy between the share of European Union in the energy output (45%) and in the Avoided Green House Gas emission (19%) outlines the fact that the energy mix is less intensive in EU than in other geographies.