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# Green Bond Investor Presentation

## May 2022

### Green Bond Senior Preferred Benchmarks

ISIN	DE000A3H2ZX9	DE000A3T0X22	DE000A3T0X97
Issue Rating	BBB+ (S&P)	BBB+ (S&P)	BBB+ (S&P)
Second Party Opinion	Cicero		
Coupon	0.10%	0.25%	0.25%
Re-offer Spread	MS +55 bp	MS +48 bp	MS +42 bp
Value Date	01.02.2021	27.10.2021	19.01.2022
Maturity	02.02.2026	27.10.2025	17.01.2025
Issue Size	€ 500 mn	€ 500 mn € 200 mn tap (@+55 bp)	€ 750 mn
Index Memberships	Bloomberg MSCI Global Green Bond Index iBoxx Global Green, Social & Sustainable Bonds Index		



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# Agenda

## 1. Business Model & Strategy

## 2. ESG within pbb

2.1. Set-up & Strategy

2.2. ESG Program

2.3. Sustainable Finance

## 3. Initiatives „Green Finance“

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## 5. CO<sub>2</sub> Footprint

## 6. ESG Ratings

# Business Model & Strategy

pbb is a leading commercial real estate lender with a complementary public investment finance business

## USPs

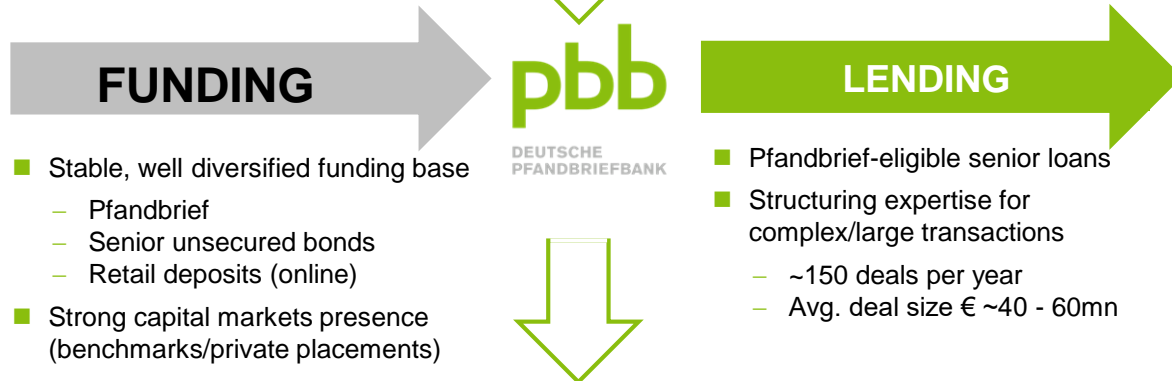
- Specialised on-balance sheet lender with extensive placement capabilities
- Strong franchise with long-standing client relationships and local presence with 10 branches/rep offices in Europe and the US
- Conservative lending standards and focus on risk management
- Pfandbrief is main funding instrument

## Key figures

(IFRS, 31/03/2022)

Total assets	€ 56.3 bn
Total equity	€ 3.7 bn
RWA	€ 16.7 bn
CET1 ratio <sup>1</sup>	16.9%
Leverage ratio <sup>1</sup>	6.0%
RoE before taxes	4.8%
FTE	780

<sup>1</sup> Excl. Interim result

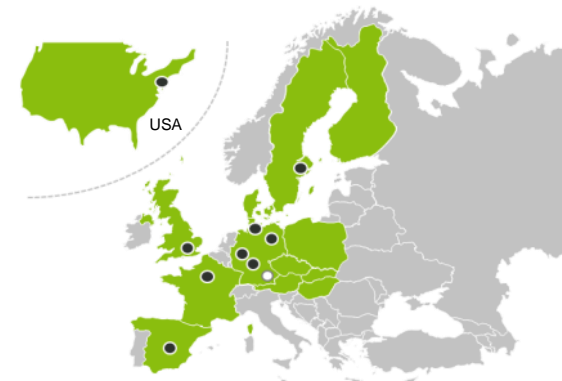


- Stable, well diversified funding base
  - Pfandbrief
  - Senior unsecured bonds
  - Retail deposits (online)
- Strong capital markets presence (benchmarks/private placements)

- Pfandbrief-eligible senior loans
- Structuring expertise for complex/large transactions
  - ~150 deals per year
  - Avg. deal size € ~40 - 60mn

## Value Proposition for Debt Investors

- Considerable MREL buffer
- Strong capital base
- High quality cover pools
- High portfolio quality and risk standards
- Strong operating performance



○ Headquarter  
● Branches/Rep. Offices

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# ESG within pbb – Set-up & Strategy

pbb's ESG set-up and strategy provide for holistic approach (1/3)

## ESG Governance

### General

- Overall **governance framework with high standards applied**
  - Law-abiding conduct, responsible corporate governance and adherence to ethical principles considered **essential prerequisites**
  - General governance framework defined by **code of conduct** and **human rights policy**, providing non-negotiable standards to comply with, complemented by **code of conduct for suppliers**
  - **Governance structure with high standard monitoring and control mechanisms – „Three Lines of Defence“ (3 LoD) system implemented for ESG risk steering**



### ESG Program

- **Comprehensive ESG Program** in place with sound governance structure, **covering all ESG dimensions**
  - Clearly assigned **Board responsibility**
    - **Management Board** and **Supervisory Board** involvement
    - **ESG performance targets** part of variable compensation
  - **Central program management** accompanied by relevant **committees**
  - Operationally, **all ESG dimensions covered with clear responsibilities assigned**



# ESG within pbb – Set-up & Strategy

pbb's ESG set-up and strategy provide for holistic approach (2/3)



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## ESG Strategy (1/2)

Self-conception

Materiality

SDGs and UN Global Compact

Paris Climate Goals

ESG Risk

- **Sustainability** defined as self-conception, that own actions provide an essential contribution to securing long-term future and to consider the consequences for all stakeholders and the environment
  - Material topics and aspects identified through **materiality analysis**, including stakeholder feedback
  - Sustainability strategy also aligned to UN **Sustainable Development Goals (SDGs)**, commitment to further relevant **initiatives** envisaged
  - pbb joined **UN Global Compact (UNGC)** in 2022 and commits itself to the ten principles of the UNGC, which are derived from the 17 SDGs
  - Clear **strategic commitment** on active contribution towards the **goals of the Paris Agreement and transition to low-carbon economy**
- 
- ESG risks **structurally integrated** in Risk Management landscape and overall Business Strategy – current focus on climate risks
  - Climate-related risks include both, **physical and transitional risks** from the transformation towards a low carbon economy

Topics	Aspects
Industry-specific aspects	Client orientation Sustainable financing solutions Risk management
Corporate governance	Compliance Human rights
Social matters	Considering social implications of business partner choices Remuneration and employee benefits Working environment
Employee matters	Training and continuing professional development



# ESG within pbb – Set-up & Strategy

pbb's ESG set-up and strategy provide for holistic approach (3/3)

## ESG Strategy (2/2)

### Sustainable Finance

- Given pbb's business model, inter alia strong focus on **Sustainable Finance** and contribution to a more climate-efficient real estate sector – pbb aims to be a **transformation partner** for its clients
  - Systematic **collection of sustainability criteria** of financed properties **integral part of pbb's credit process**
  - **Green Bond**: Since 2021, three Green Senior Preferred Bonds issued in benchmark format - thus, pbb is one of the most active issuers in Green Senior funding with a total outstanding Green Bond volume of € 1.95 bn; first impact reporting published in January 2022
  - **Green Loan**: Since its introduction in Q4 2021, pbb granted green loans in a total volume of € 800 mn
  - **“Green” asset share** of 30% in pbb's REF portfolio envisaged until 2024/25



## Disclosure

### Non-financial Reporting

- **Non-financial Report (NFR)** published since 2017 according to Non-Financial Reporting Directive (NFRD) / CSR Directive Implementation Act (CSR-RUG)
- Reporting obligations according to **Corporate Sustainability Reporting Directive (CSRD)** in preparation – to be applied for the first time to non-financial report on financial year 2023
- Transparency **significantly improved** in recent years, incl. reporting on CO<sub>2</sub> footprint acc. to scope 1-3 – **further expansion of reporting scope** envisaged





# ESG within pbb – ESG Program

ESG Program provides for holistic approach in pbb's bank management – all ESG dimensions covered with clearly assigned responsibilities

## Holistic approach in pbb's bank management

### Management and Supervisory Board

#### ESG Committee

- Setting the ESG strategy as well as objectives and measures to achieve it
- Approval of materiality analysis and the definition of non-financial performance indicators
- Tracking project progress

#### ESG Program Management

- Overall coordination of the program and PMO across all work areas
- Steering and tracking of the program
- Internal and regulatory reporting
- Internal point of contact

#### ESG Expert Group

- Tracking and discussion of program progress
- Platform for discussion of cross-divisional tasks
- Platform for knowledge exchange and to discuss ESG-relevant questions

#### Green Financing Committee

- Initiation, implementation and monitoring of initiatives related to green financing
- Consulting on topics with a special focus on green bonds and green loans

#### Environmental

- Monitoring and execution of tasks related to E-matters, focusing on topics related to green financing (e.g. green loans, green assets, green bonds) and pbb's environmental footprint
- Provision of E-expertise with specific knowledge about pbb as financier, capital markets participant and bank

#### ESG Risks

- Monitoring and execution of tasks related to necessary adjustments and developments with respect to ESG risks (e.g. in consideration regulatory requirements and guidelines)
- Integrated consideration of necessary data models for ESG risks
- In line with ECB's expectations, current focus on climate risks

#### Social

- Monitoring and execution of tasks related to "S-matters" (e.g. remuneration/ benefits, diversity/ compatibility, safety, health, human rights, social/ cultural commitment, employer attractiveness/ securing young talent, training/

#### Governance

- Monitoring and execution of tasks related to regulatory legal and governance requirements in the ESG context
- Execution of tasks related to customer relations, business partners, reputation management, ethical principles
- Dealing with rules of procedure and organizational structures

#### Communication / Disclosure

- Monitoring and execution of tasks related to ESG financial and non-financial disclosures
- Responsible for the group-wide ESG communication in line with regulatory and market requirements

#### Strategy

- Development of ESG strategy
- Alignment with risk strategy

#### Planning/ Portfolio

- Long-term strategic planning for the management of ESG risks according to business/risk strategy

#### ESG-Data

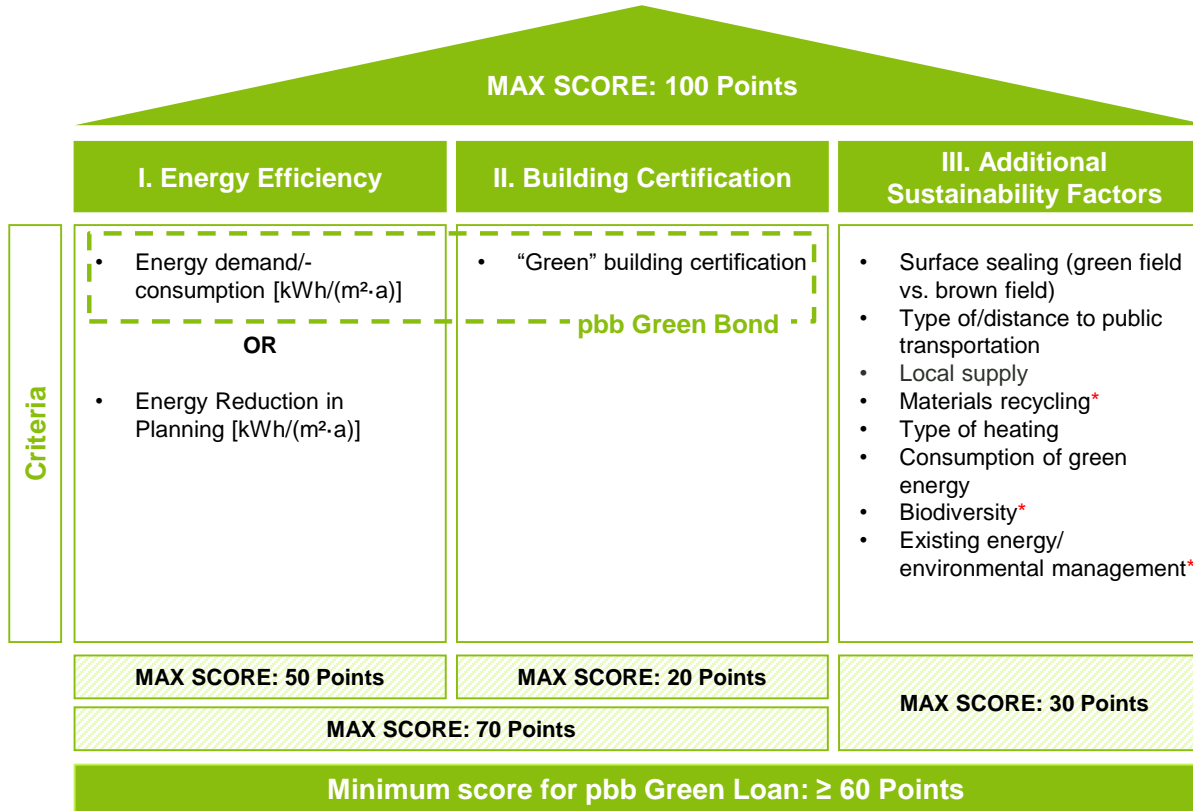
- Interface to all projects and working groups for the inclusion of required ESG related data
- Establishment of a central data model
- Central control of data procurement

# ESG within pbb – Sustainable Finance

pbb Green Loan Framework aligned with current regulatory and market developments – specific metrics defined for each criteria

## pbb Scoring Model

## EU Taxonomy



OR



\* Aligned with the EU Taxonomy  
 \* Do Not Significant Harm Principles according to EU Taxonomy

**pbb Green Loan**

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# Initiatives – “Green” finance

pbb is part of the solution in climate transition with products and processes, and a dedicated internal sustainability program

## Achievements

### Comprehensive ESG program implemented – providing for holistic approach in pbb's bank management

- Sound governance structure with Management Board and Supervisory Board oversight
- Operationally, all ESG dimensions covered with clear responsibilities assigned

### Sustainable finance defined as one key element of pbb's ESG strategy

- Systematic pbb approach to classify new sustainable REF investments integrated in pbb's credit process

**€ 0.8 bn**

Green loans granted (since October 2021)

Green loans granted based on pbb's new business classification

**€ 1.95 bn**

Green bonds issued (since January 2021)

Green bonds used as attractive funding source based on pbb's sustainable assets

**ESG risks structurally integrated in risk management landscape and overall business strategy – current focus on climate risk (physical / transitional risks)**

**ESG data** collection and transparency significantly increased

**Scope of CO<sub>2</sub> footprint** continuously improved

## Strategic levers

Financial industry plays a **special role** in the **climate transition** due to being able to **support funding** into climate-friendly projects

Sustainability provides **profitable growth opportunities** due to

- more sustainable property values and
- strong property/financing demand

**Sustainability** for pbb is the **commitment** to make a **positive contribution** by **securing the long-term future** and considering the consequences for all stakeholders of the company as well as for the environment

## Key measures

**Grow pbb's impact as sustainable finance bank and as transformation partner** based on lending products and advisory services

Several **transformation levers** identified to increase green portfolio share from new projects as well as upgrade of legacy real estate

- increase **green loans**
- increase **green development loans**
- increase **green capex facilities** for transitions of existing non-green assets into green assets

Integration of further relevant strategic objectives and definition of sustainability-related **quantitative targets**

Further expansion of **pbb's CO<sub>2</sub> footprint reporting**

**~30%**

**“Green” REF portfolio share 2024/25**

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# Green Bond – Green Bond Framework

Green Bond Framework developed in line with market standard  
– documentation based on ICMA Green Bond Principles (1/2)

*Aligned with the 2018 Green Bond Principles and its four components*

<p><b>1) Use of proceeds</b></p>	<p><b>Green Building Certification</b></p> <p>Eligible Green Real Estate Assets have to be certified against:</p> <ul style="list-style-type: none"> <li>▪ BREEAM: ≥ “Very Good”</li> <li>▪ LEED: ≥ “Gold”</li> <li>▪ DGNB: ≥ “Gold”</li> <li>▪ HQE: ≥ “Very High”</li> </ul>	<p><b>Energy Efficiency Performance</b></p> <p>Eligible Green Real Estate Assets have to demonstrate a Final Energy Consumption:</p> <ul style="list-style-type: none"> <li>▪ Office, Hotel and Retail: &lt; 160 kWh/m<sup>2</sup> p.a.</li> <li>▪ Residential: &lt; 100 kWh/m<sup>2</sup> p.a.</li> <li>▪ Logistics: &lt; 65 kWh/m<sup>2</sup> p.a.</li> </ul>	<p><b>Exclusion criteria</b></p> <ul style="list-style-type: none"> <li>▪ Building use: production of weapons, pesticides, nuclear energy, fossil fuels or pornography and sex work.</li> <li>▪ Concentration of tenants with an unacceptable environmental impact.</li> <li>▪ Substantial other negative impact on the environment (e.g. polluted areas, green field construction in protected areas).</li> </ul>
<p><b>2) Process for Project Evaluation and Selection</b></p>	<ul style="list-style-type: none"> <li>▪ Green Bond Committee to manage the process for project evaluation and selection.</li> <li>▪ Committee composed by representatives from the following business areas: <ul style="list-style-type: none"> <li>– Communications</li> <li>– Property Analysis &amp; Valuation</li> <li>– Portfolio Analysis</li> <li>– Treasury</li> </ul> </li> <li>▪ Committee responsible of: <ul style="list-style-type: none"> <li>– Monitor the potential Eligible Green Loans against pbb’s standard credit process and the eligibility criteria</li> <li>– Allocate and Monitor the portfolio of Eligible Green Loans against the Green Bond funding</li> <li>– Coordinate reporting</li> </ul> </li> </ul>		

# Green Bond – Green Bond Framework

Green Bond Framework developed in line with market standard  
 – documentation based on ICMA Green Bond Principles (2/2)

<p><b>3) Management of Proceeds</b></p>	<ul style="list-style-type: none"> <li>▪ Management of the net proceeds on a portfolio basis.</li> <li>▪ Eligible Green Loans already exists on pbb’s balance sheet at issuance of a Green Bond (not booked in a separate portfolio, but earmarked in the IT systems).</li> <li>▪ Treasury business area will monitor that an amount at least equivalent to the net proceeds will be used to finance or refinance the portfolio of Eligible Green Loans and that the amount of such Eligible Green Loans within the portfolio is higher than the net proceeds of the outstanding Green Bonds issued.</li> <li>▪ If outstanding Green Bonds exceed the Eligible Green Loans (e.g. due to unexpected prepayments), pbb shall invest in Green Bonds fulfilling the ICMA Green Bond Principles if feasible.</li> </ul>		
<p><b>4) Reporting</b></p>	<ul style="list-style-type: none"> <li>▪ Reporting started one year after the first issuance and will be updated annually thereafter.</li> <li>▪ Publicly available on pbb’s website.</li> </ul>	<p style="text-align: center;"><b>Allocation reporting</b></p> <ul style="list-style-type: none"> <li>▪ The total amount of outstanding Green Bonds issued.</li> <li>▪ The total amount of Eligible Green Loans.</li> <li>▪ Examples of assets financed or refinanced through the proceeds of the Green Bond.</li> </ul>	<p style="text-align: center;"><b>Impact reporting</b></p> <p>Examples of output indicators:</p> <ul style="list-style-type: none"> <li>▪ Green Portfolio breakdown by year of construction / refurbishment (in %)</li> <li>▪ Green Portfolio breakdown by EPC kWh / m<sup>2</sup> p.a.</li> </ul> <p>Examples of impact indicators:</p> <ul style="list-style-type: none"> <li>▪ Estimated ex-ante annual energy savings (in kWh / m<sup>2</sup> p.a.)</li> <li>▪ Estimated annual reduced / avoided Green House Gas emissions (in tons of CO<sub>2</sub> equivalent)</li> </ul>

# Green Bond – Second Party Opinion

## Second Party Opinion & External Review by Cicero Shades of Green (CICERO Light Green)



CICERO  
Shades of  
Green

- CICERO Shades of Green provided the [Second Party Opinion](#) on pbb's Green Bond Framework and related policies.
- CICERO Shades of Green also provides an annual independent review of pbb's Green Bond Reporting. The [first review](#) was published in January 2022.
- Both documents are available on pbb's website.



CICERO  
Shades of  
Green

### Deutsche Pfandbriefbank AG Green Bond Second Opinion

April 28, 2020

Deutsche Pfandbriefbank AG ("pbb") is a bank specialized in real estate and public investment finance. pbb has its headquarter in Garching, Germany and has additional offices in the United Kingdom, France, Sweden, Spain and the United States. The issuer is one of the largest issuers in the Pfandbriefe market with an outstanding volume of approx. EUR 30 billion. Around 50% of pbb's assets are located in Germany.

pbb's green bond framework lists only green buildings as an eligible project category in accordance to the Green Bond Principles. pbb informed us that approximately 80-85% of proceeds are expected to be allocated to refinancing of existing buildings and 15-20% will be used for financing of new loans for existing buildings mainly in Poland, Germany, France, UK, Netherlands and Austria that either meet a minimum certification of LEED Gold (or equivalent) or absolute minimum energy consumption thresholds defined by pbb's framework that applies to all jurisdictions of pbb's business activities. pbb excludes financing of outdated/inefficient heating systems, which excludes, e.g., oil based heating, but could include other fossil fuel heating such as natural gas based heating sources.

The issuer is in the process of rolling out a green loan system and to raise environmentally relevant data for all of its buildings. The issuer informed us that this framework provides a test case for the bank and that the framework is expected to be improved and tightened regarding its eligibility criteria over time. pbb will obtain an external review for its impact reporting.

pbb's framework does not exclude fossil fuel-based heating and could allow for financing or refinancing that reach minimum certification levels, but do not align with specific energy efficiency thresholds. In addition, pbb does not yet systematically assess climate related risks and has not yet implemented TCFD recommendations. It is the responsibility of the issuer and specifically pbb's green bond committee to ensure that green buildings exceed local regulations and ensure low-carbon impact and climate resilience of the buildings.

Based on the overall assessment of the project types that will be financed by the green bonds, governance and transparency considerations, pbb's green bond framework receives a **CICERO Light Green** shading and a governance score of **Good**. The framework would benefit from excluding fossil fuel based heat sources and adding additional requirements for eligible new loans such as low carbon transport access, higher certification levels, climate resilience as well as construction material considerations and construction emissions.

<sup>1</sup>Second Opinion on pbb's Green Bond Framework

#### SHADES OF GREEN

Based on our review, we rate the pbb's green bond framework **CICERO Light Green**.

Included in the overall shading is an assessment of the governance structure of the green bond framework. CICERO Shades of Green finds the governance procedures in pbb's framework to be **Good**.



#### GREEN BOND PRINCIPLES

Based on this review, this Framework is found in alignment with the principles.



CICERO  
Light Green



CICERO  
Shades of  
Green

### Deutsche Pfandbriefbank AG (pbb) External Review of 2021 Green Bond Reporting

January 27, 2022

CICERO Green has reviewed Deutsche Pfandbriefbank AG's (pbb) 2021 Green Bond Report. We review project allocation against framework criteria and impact metrics for relevance and transparency.

CICERO Green finds no discrepancies in our review of the reporting against pbb's Green Bond Framework. We particularly welcome that all projects that have environmental certifications also satisfy the Green Bond Framework's energy performance criteria. pbb reports avoided emissions, which is a relevant impact indicator for green buildings and pbb has shown commitment to transparency by detailing its methodology and pro-rating impacts per EUR 1 million of green bond proceeds.

#### Project allocation

pbb reports on its green bond portfolio as at November 2021.

We assigned an overall shading of Light Green to pbb's Green Bond Framework in our Second Opinion dated April 28, 2020.<sup>1</sup> Green buildings was the only project category included in pbb's Green Bond Framework – specifically, proceeds would finance or re-finance loans extended in respect of green buildings (green loans). This project category also received a Light Green shading, and all proceeds have been allocated to this category (see Figure 1). For a more detailed review of pbb's allocation, see Table 1.

pbb's Green Bond Report satisfies the commitments in respect of allocation reporting contained in its Green Bond Framework. The Green Bond Report sets out the following, for example:

- that the outstanding value of green bonds at 30 November 2021 was EUR 1 billion
- furthermore, that as of 30 November 2021, pbb's green bond portfolio consisted of approximately EUR 1.3 billion of eligible green loans, exceeding the amount of the bonds
- list of properties in the portfolio
- information on the construction year and energy use (in kWh/m<sup>2</sup> p.a) of the properties in the portfolio

The largest loan pbb includes in its list of properties is for a residential portfolio, for which pbb provides the range of construction years and final energy consumption, as well as the different heating systems in place. pbb informed us these properties were not listed individually because they consist of large number of comparatively low value loans, though it confirmed that each individual building satisfied the Green Bond Framework criteria. pbb's approach to these residential properties provides less transparency than for the rest of the portfolio, for example investors cannot calculate the share of residential buildings with a certain heating type.

pbb states that buildings were only selected based on energy use and not on environmental certifications. This is in accordance with pbb's statement during the SPO process that it would likely screen out buildings with environmental certifications but high energy consumption, and we welcome that pbb has implemented the Green Bond Framework in this way. Nonetheless, pbb may in the future consider including a breakdown of environmental certifications as this may add value for investors.

<sup>1</sup> [https://pub.cicero.oslo.no/cicero-xmlui/bitstream/handle/11250/2720290/Cicero\\_Second\\_Opinion\\_for\\_pbb.pdf](https://pub.cicero.oslo.no/cicero-xmlui/bitstream/handle/11250/2720290/Cicero_Second_Opinion_for_pbb.pdf)

External Review of 2021 Green Bond Report



# Green Bond – Reference Portfolio

## Preliminary Impact Reporting based on current portfolio

### Carbon Impact Figures

Main building type	Carbon Emissions of heating & electricity (kgCO <sub>2</sub> /m <sup>2</sup> /year)	Energy Demand Baseline (kWh/m <sup>2</sup> /year)	Emission Factor (kgCO <sub>2</sub> /kWh)	Carbon Emission Benchmark (kgCO <sub>2</sub> /m <sup>2</sup> /year)	Carbon Savings (kgCO <sub>2</sub> /m <sup>2</sup> /year)	Total Carbon Savings (tCO <sub>2</sub> /year)	Financed Carbon Savings (tCO <sub>2</sub> /year)
Building 1	EPC	Local average	Local energy mix	EDB x EF	CEB - CE	CS x Area	TCS x pbb financing share
<b>Total</b>						<b>XXX</b>	<b>XXX</b>

**pbb Green Bond Carbon Impact: 33,900 tCO<sub>2</sub>/year**

### Carbon impact assessment methodology

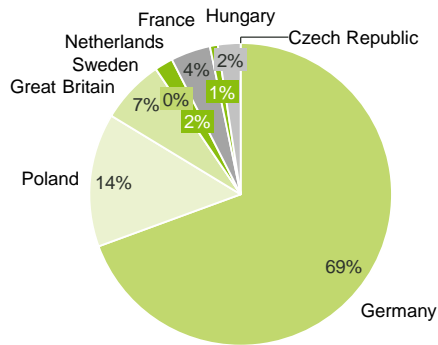
- pbb estimates the carbon impact of its Green Bond Assets portfolio on a line by line basis
- pbb collects the carbon emission intensity for each building from its Energy Performance Certificates (EPCs)
- If carbon emissions are not included in the EPC, energy demand figures are translated to carbon emissions via applicable emission factors for heating (sources: district heating: local energy providers; gas: Umweltbundesamt) and electricity (source: European Environment Agency)
- The benchmark is the average energy demand by type of use in specific locations from the EU Entranze Project (<https://www.entranze.eu/>)

As of	Outstanding nominal amount in the potential Green Portfolio (€ mn)	No. of Green Buildings	Total floor area (m <sup>2</sup> )	Carbon savings - pbb financing share (tCO <sub>2</sub> /year)	Carbon savings - pbb financing share (tCO <sub>2</sub> /€ 1mn)
18.05.2022	~2.494	157	~2,155,741	~33,900	~13.58

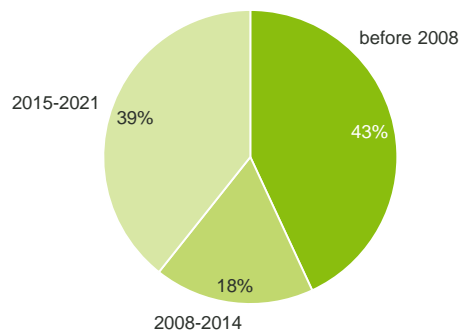
# Green Bond – Reference Portfolio

Reference Portfolio: approx. € 2.5 bn as of 05/2022

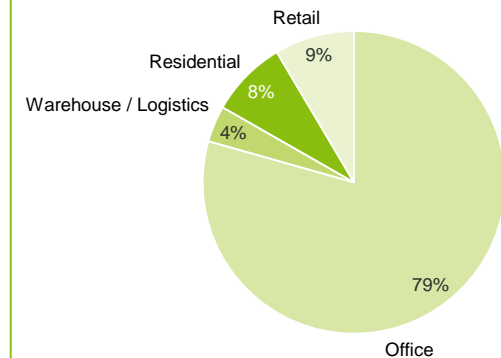
**Breakdown by regions (€ mn)**



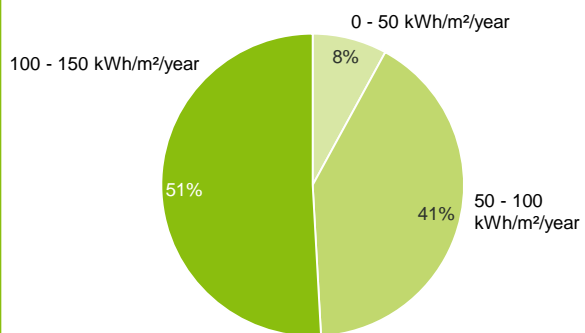
**Breakdown by year of construction (€ mn)**



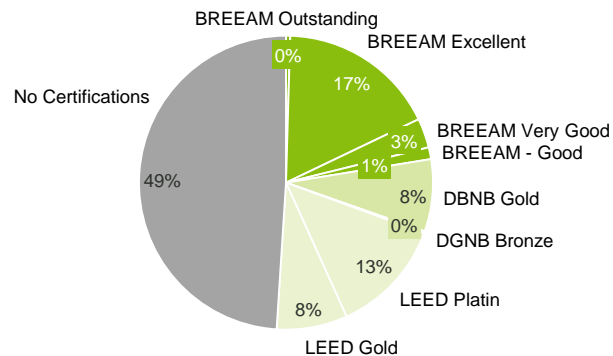
**Breakdown by property type (€ mn)**



**Breakdown by final energy consumption (€ mn)**



**Breakdown by green certifications (€ mn)**



- **Portfolio** consisting of ~ € 2.5 bn.
- Portfolio will change over time
- Process for **recording the criteria** of the overall portfolio established:
  - Recording of all properties of the new business
  - Recording of the already existing portfolio as part of the regular monitoring process

# Green Bond – Reference Portfolio

## Examples of Eligible Green Assets

<b>Project name:</b>	<b>West Gate</b>
<b>Location:</b>	<b>Wrocław, Poland</b>
<b>Year of Construction:</b>	<b>2015</b>
<b>Total Asset Value:</b>	<b>€ 42.3 mn</b>
<b>pbb financing amount:</b>	<b>€ 10.6 mn</b>
<b>pbb scoring model<sup>1</sup>:</b>	<b>77 / 100</b>



### Short description:

The West Gate, completed in 2015, comprises of six over ground floors and two underground levels.<sup>2</sup> Hereby West Gate fully utilized the potential of certification, it combines excellent structural and material elements with sustainable and energy-efficient solutions.<sup>3</sup> It has been awarded with the highest BREEAM rating of “Excellent” and has a final energy demand of 36.3 kWh/m<sup>2</sup> per year.<sup>4</sup>

Key tenants: Nokia, Deichmann, Aviva and Enel-Med.<sup>5</sup>

1 The scoring model awards a maximum of 100 points, of which max. 50 points are rewarded for energy efficiency, max. 20 points for certifications and max. 30 points for other sustainability factors. If a building reaches at least 60 points, investors can obtain a Green Loan from pbb. 2 According to Monitoring L3 2018 3 Source: Echo Investment 4 Energy performance certificate 5 Source: Globalworth Poland

# Green Bond – Reference Portfolio

## Examples of Eligible Green Assets

<b>Project name:</b>	<b>Ordnungsamt</b>
<b>Location:</b>	<b>Frankfurt, Germany</b>
<b>Year of Construction:</b>	<b>2009</b>
<b>Total Asset Value:</b>	<b>€ 162.0 mn</b>
<b>pbb financing amount:</b>	<b>€ 59.0 mn</b>
<b>pbb scoring model<sup>1</sup>:</b>	<b>67 / 100</b>



### Short description :

The complex has a usable floor space of approx. 35,300 m<sup>2</sup> and is rented to the city of Frankfurt. It is well connected to public transport (tramway) and shops for daily supply are in the vicinity, making individual traffic solutions less relevant. Employees are able to use an in-house canteen which reduces possible plastic waste which might result from external lunch providers. The building has a comparatively low final energy demand of 62.1 kWh/m<sup>2</sup> per year and gets its energy by a heating pump.<sup>2</sup> It was built on a brownfield location which was used for industrial purposes in the past. A soil and ground water contamination caused by a metal processing company in the late 1980s was detected in 2002 and successfully rehabilitated until 2006.<sup>3</sup>

<sup>1</sup> The scoring model awards a maximum of 100 points, of which max. 50 points are rewarded for energy efficiency, max. 20 points for certifications and max. 30 points for other sustainability factors. If a building reaches at least 60 points, investors can obtain a Green Loan from pbb <sup>2</sup> Energy performance certificate <sup>3</sup> According to Market- & Mortgage lending valuation 2020

# Agenda

## 1. Business Model & Strategy

## 2. ESG within pbb

2.1. Set-up & Strategy

2.2. ESG Program

2.3. Sustainable Finance

## 3. Initiatives „Green Finance“

## 4. Green Bond

3.1. Green Bond Framework

3.2. Second Party Opinion

3.3. Reference Portfolio

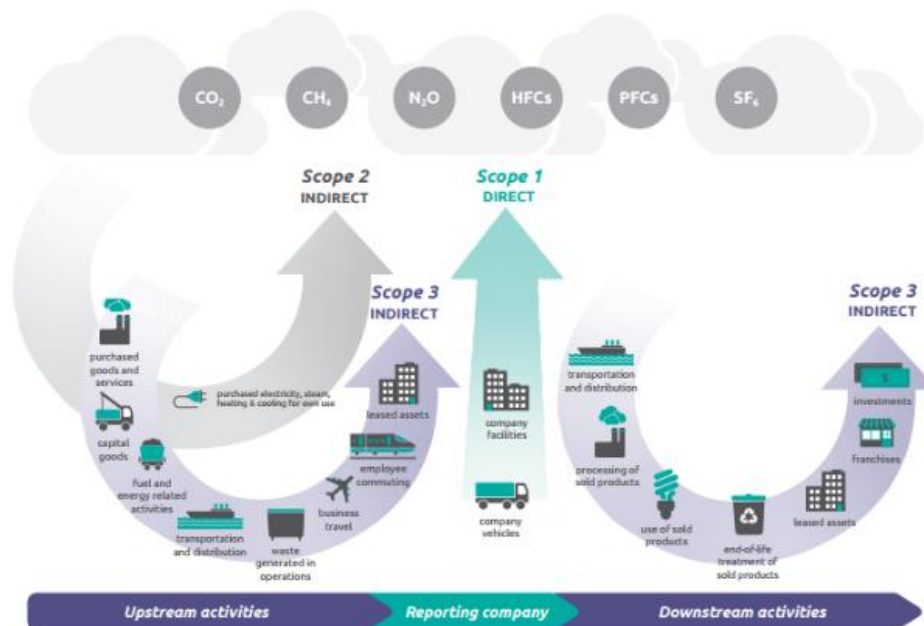
## 5. CO<sub>2</sub> Footprint

## 6. ESG Ratings

# CO<sub>2</sub> Footprint

## Expansion of pbb's CO<sub>2</sub> footprint reporting in progress

### Scopes of emission (GHG Protocol)



- Scope 1**  
 The emissions from owned or operated assets (e.g., emissions from a company's fleet of vehicles)
- Scope 2**  
 The emissions from purchased energy
- Scope 3**  
 The emissions from everything else (suppliers, distributors, product use, etc.)

### pbb reporting

(Non-financial Report 2021)

Scope		in t CO <sub>2</sub> <sup>1</sup>	CO <sub>2</sub> Compensation
Scope 1	Company cars <sup>2</sup>	383	Climate-neutral via certificates
Scope 2	Indirect emissions from purchased electricity	0	Renewable energy sources
Scope 3	Office consumer goods <sup>3</sup>	6	
	Business travel	63	Climate-neutral via certificates
	Events (Annual Press Briefing, Analyst Conferences, virtual AGM)	9	Climate-neutral via certificates
		<b>461</b>	

<sup>1</sup> Only German locations

<sup>2</sup> Calculation based on the contractually agreed upon annual mileage

<sup>3</sup> Only paper; calculation in accordance with <https://www.papiernetz.de/informationen/nachhaltigkeitsrechner/>

- Reporting of **CO<sub>2</sub> footprint constantly improved** in recent years
- Expansion** of reporting scope envisaged

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# ESG Ratings

Stable solid ESG ratings underpin continuous improvement



V.E, part of Moody's ESG Solutions

ESG OVERALL SCORE



01/21