



ANNEX 2

LIST OF FINANCED ASSETS

The assets financed are those collateralizing loans disbursed within the look-back and look-forward period, as defined in EUROFIMA GBF, of the corresponding Green Bond.

GREEN BOND IMPACT REPORTING
MARCH 2020

Asset Class	Asset Type	Asset ID	Manufacturers	Financing recipient	Age at financial disbursement	Age at contract maturity	Green book value	Estimated CO ₂ emissions	Estimated energy consumption (MJ/pkm)
RABE 522	EMU - Electrical multiple units train	522212	Stadler	SBB Bern	5,8	15,7	EUR 6.586.256	0	0,29
RABE 522	EMU - Electrical multiple units train	522213	Stadler	SBB Bern	5,6	15,5	EUR 6.652.097	0	0,29
RABE 522	EMU - Electrical multiple units train	522214	Stadler	SBB Bern	5,4	15,3	EUR 6.695.991	0	0,29
RABE 523	EMU - Electrical multiple units train	523013	Stadler	SBB Bern	7,7	17,7	EUR 5.055.473	0	0,29
RABE 523	EMU - Electrical multiple units train	523014	Stadler	SBB Bern	7,8	16,4	EUR 5.083.381	0	0,29
RABE 523	EMU - Electrical multiple units train	523015	Stadler	SBB Bern	8,0	16,6	EUR 5.039.051	0	0,29
RABE 523	EMU - Electrical multiple units train	523016	Stadler	SBB Bern	7,9	16,5	EUR 5.061.216	0	0,29
RABE 521	EMU - Electrical multiple units train	521023	Stadler	SBB Bern	10,8	20,5	EUR 3.845.587	0	0,29
RABE 521	EMU - Electrical multiple units train	521030	Stadler	SBB Bern	12,2	22,2	EUR 3.496.768	0	0,29
RABE 523	EMU - Electrical multiple units train	523017	Stadler	SBB Bern	7,8	17,8	EUR 5.011.577	0	0,29
RABE 523	EMU - Electrical multiple units train	523018	Stadler	SBB Bern	7,7	17,6	EUR 5.055.473	0	0,29
RABE 523	EMU - Electrical multiple units train	523019	Stadler	SBB Bern	7,6	17,6	EUR 5.077.420	0	0,29
RABE 523	EMU - Electrical multiple units train	523020	Stadler	SBB Bern	7,5	17,5	EUR 5.099.368	0	0,29
RABE 523	EMU - Electrical multiple units train	523022	Stadler	SBB Bern	7,4	17,4	EUR 5.121.316	0	0,29
RABE 523	EMU - Electrical multiple units train	523023	Stadler	SBB Bern	7,4	17,3	EUR 5.143.263	0	0,29
RABE 522	EMU - Electrical multiple units train	522201	Stadler	SBB Bern	4,4	14,3	EUR 6.937.411	0	0,29
RABE 522	EMU - Electrical multiple units train	522202	Stadler	SBB Bern	4,5	14,2	EUR 6.860.268	0	0,29
RABE 522	EMU - Electrical multiple units train	522203	Stadler	SBB Bern	6,0	15,9	EUR 6.542.361	0	0,29
RABE 522	EMU - Electrical multiple units train	522204	Stadler	SBB Bern	6,0	15,9	EUR 6.542.361	0	0,29
RABE 522	EMU - Electrical multiple units train	522205	Stadler	SBB Bern	6,0	15,9	EUR 6.542.361	0	0,29
RABE 522	EMU - Electrical multiple units train	522206	Stadler	SBB Bern	5,9	15,8	EUR 6.564.308	0	0,29
RABE 521	EMU - Electrical multiple units train	521024	Stadler	SBB Bern	10,7	20,4	EUR 3.865.513	0	0,29
RABE 521	EMU - Electrical multiple units train	521025	Stadler	SBB Bern	10,4	19,0	EUR 4.016.353	0	0,29
RABE 521	EMU - Electrical multiple units train	521026	Stadler	SBB Bern	10,4	20,1	EUR 3.945.220	0	0,29
RABE 521	EMU - Electrical multiple units train	521027	Stadler	SBB Bern	10,4	20,1	EUR 3.947.666	0	0,29
RABE 521	EMU - Electrical multiple units train	521028	Stadler	SBB Bern	10,4	20,3	EUR 3.979.427	0	0,29
RABE 521	EMU - Electrical multiple units train	521029	Stadler	SBB Bern	12,2	22,2	EUR 3.496.768	0	0,29
RABE 522	EMU - Electrical multiple units train	522211	Stadler	SBB Bern	5,8	15,5	EUR 6.511.916	0	0,29
RABE 522	EMU - Electrical multiple units train	522210	Stadler	SBB Bern	5,9	15,6	EUR 6.511.916	0	0,29
RABE 522	EMU - Electrical multiple units train	522209	Stadler	SBB Bern	5,9	15,6	EUR 6.511.916	0	0,29
RABE 523	EMU - Electrical multiple units train	523021	Stadler	SBB Bern	7,6	17,2	EUR 5.113.453	0	0,29
RABE 522	EMU - Electrical multiple units train	522207	Stadler	SBB Bern	6,0	15,6	EUR 6.554.230	0	0,29
RABE 522	EMU - Electrical multiple units train	522208	Stadler	SBB Bern	6,1	15,7	EUR 6.532.317	0	0,29
RABE 511, 6 CARS	EMU - Electrical multiple units train	511062	Stadler	SBB Bern	1,4	5,9	EUR 12.328.120	0	0,29
RABE 511, 6 CARS	EMU - Electrical multiple units train	511063	Stadler	SBB Bern	1,3	5,8	EUR 12.369.432	0	0,29
RABE 511, 6 CARS	EMU - Electrical multiple units train	511064	Stadler	SBB Bern	1,2	5,7	EUR 12.452.054	0	0,29
RABE 511, 6 CARS	EMU - Electrical multiple units train	511065	Stadler	SBB Bern	1,1	5,6	EUR 12.493.364	0	0,29
RABE 511, 6 CARS	EMU - Electrical multiple units train	511066	Stadler	SBB Bern	1,1	5,5	EUR 12.553.434	0	0,29
RABE 511, 6 CARS	EMU - Electrical multiple units train	511067	Stadler	SBB Bern	1,0	5,4	EUR 12.601.198	0	0,29
RABE 511, 6 CARS	EMU - Electrical multiple units train	511068	Stadler	SBB Bern	0,9	5,3	EUR 12.601.199	0	0,29
RABE 511, 6 CARS	EMU - Electrical multiple units train	511069	Stadler	SBB Bern	0,8	5,2	EUR 12.601.200	0	0,29

Asset Class	Asset Type	Asset ID	Manufacturers	Financing recipient	Age at financial disbursement	Age at contract maturity	Green book value	Estimated CO ₂ emissions	Estimated energy consumption (MJ/pkm)
RABE 514	EMU - Electrical multiple units train	514035	Siemens	SBB Bern	11,2	16,1	EUR 6.782.099	0	0,29
RABE 514	EMU - Electrical multiple units train	514036	Siemens	SBB Bern	11,1	16,0	EUR 7.019.301	0	0,29
RABE 514	EMU - Electrical multiple units train	514037	Siemens	SBB Bern	11,0	16,0	EUR 7.019.301	0	0,29
RABE 514	EMU - Electrical multiple units train	514038	Siemens	SBB Bern	10,9	15,9	EUR 7.059.506	0	0,29
RABE 514	EMU - Electrical multiple units train	514039	Siemens	SBB Bern	10,9	15,8	EUR 7.114.406	0	0,29
RABE 514	EMU - Electrical multiple units train	514040	Siemens	SBB Bern	10,8	15,8	EUR 7.114.406	0	0,29
RABE 514	EMU - Electrical multiple units train	514041	Siemens	SBB Bern	10,8	15,7	EUR 7.139.916	0	0,29
RABE 514	EMU - Electrical multiple units train	514042	Siemens	SBB Bern	10,7	15,7	EUR 7.180.121	0	0,29
RABE 514	EMU - Electrical multiple units train	514043	Siemens	SBB Bern	10,7	15,6	EUR 7.235.021	0	0,29
RABE 514	EMU - Electrical multiple units train	514044	Siemens	SBB Bern	10,6	15,6	EUR 7.235.021	0	0,29
RABE 514	EMU - Electrical multiple units train	514045	Siemens	SBB Bern	10,6	15,5	EUR 7.235.021	0	0,29
RABE 514	EMU - Electrical multiple units train	514046	Siemens	SBB Bern	10,5	15,5	EUR 7.275.226	0	0,29
RABE 514	EMU - Electrical multiple units train	514047	Siemens	SBB Bern	10,5	15,5	EUR 7.275.226	0	0,29
RABE 514	EMU - Electrical multiple units train	514048	Siemens	SBB Bern	10,4	15,4	EUR 7.315.431	0	0,29
CLASS 2400 CFL	EMU - Electrical multiple units train	2403	Alstom	CFL Luxemburg	To be delivered	2,8	EUR 6.500.000	0	0,32
CLASS 2400 CFL	EMU - Electrical multiple units train	2404	Alstom	CFL Luxemburg	To be delivered	2,8	EUR 6.500.000	0	0,32
CLASS 2400 CFL	EMU - Electrical multiple units train	2405	Alstom	CFL Luxemburg	To be delivered	7,0	EUR 8.000.000	0	0,32
CLASS 2400 CFL	EMU - Electrical multiple units train	2406	Alstom	CFL Luxemburg	To be delivered	6,9	EUR 8.000.000	0	0,32
CLASS 2400 CFL	EMU - Electrical multiple units train	2407	Alstom	CFL Luxemburg	To be delivered	6,8	EUR 8.000.000	0	0,32
M6 SNCB	PC - Passenger car	508816720520	Bombardier-Alstom	SNCB Brussels	11,7	16,8	EUR 1.646.988	0	0,32
M6 SNCB	PC - Passenger car	508816720454	Bombardier-Alstom	SNCB Brussels	11,9	17,0	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720538	Bombardier-Alstom	SNCB Brussels	11,8	16,9	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720413	Bombardier-Alstom	SNCB Brussels	11,9	17,0	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720363	Bombardier-Alstom	SNCB Brussels	12,0	17,1	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720371	Bombardier-Alstom	SNCB Brussels	12,0	17,1	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720546	Bombardier-Alstom	SNCB Brussels	11,7	16,8	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720389	Bombardier-Alstom	SNCB Brussels	12,0	17,1	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720488	Bombardier-Alstom	SNCB Brussels	11,9	17,0	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720496	Bombardier-Alstom	SNCB Brussels	11,8	16,9	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720397	Bombardier-Alstom	SNCB Brussels	12,0	17,1	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720405	Bombardier-Alstom	SNCB Brussels	12,0	17,1	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720447	Bombardier-Alstom	SNCB Brussels	11,9	17,0	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720439	Bombardier-Alstom	SNCB Brussels	12,0	17,1	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720470	Bombardier-Alstom	SNCB Brussels	11,9	17,0	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508816720512	Bombardier-Alstom	SNCB Brussels	11,8	16,9	EUR 1.767.711	0	0,32
M6 SNCB	PC - Passenger car	508880720067	Bombardier-Alstom	SNCB Brussels	11,4	16,5	EUR 3.471.784	0	0,32
M6 SNCB	PC - Passenger car	508880720018	Bombardier-Alstom	SNCB Brussels	11,4	16,5	EUR 3.471.784	0	0,32
M6 SNCB	PC - Passenger car	508880720059	Bombardier-Alstom	SNCB Brussels	11,4	16,5	EUR 3.471.784	0	0,32
M6 SNCB	PC - Passenger car	508880720042	Bombardier-Alstom	SNCB Brussels	11,4	16,5	EUR 3.471.784	0	0,32
M6 SNCB	PC - Passenger car	508880720398	Bombardier-Alstom	SNCB Brussels	11,4	16,5	EUR 3.471.784	0	0,32
M6 SNCB	PC - Passenger car	508882720487	Bombardier-Alstom	SNCB Brussels	11,2	16,3	EUR 1.803.448	0	0,32

Asset Class	Asset Type	Asset ID	Manufacturers	Financing recipient	Age at financial disbursement	Age at contract maturity	Green book value	Estimated CO ₂ emissions	Estimated energy consumption (MJ/pkm)
M6 SNCB	PC - Passenger car	508882720461	Bombardier-Alstom	SNCB Brussels	11,3	16,4	EUR 1.803.448	0	0,32
M6 SNCB	PC - Passenger car	508882720511	Bombardier-Alstom	SNCB Brussels	11,2	16,3	EUR 1.803.448	0	0,32
M6 SNCB	PC - Passenger car	508882720495	Bombardier-Alstom	SNCB Brussels	11,2	16,3	EUR 1.803.448	0	0,32
M6 SNCB	PC - Passenger car	508882720537	Bombardier-Alstom	SNCB Brussels	11,1	16,2	EUR 1.803.448	0	0,32
M6 SNCB	PC - Passenger car	508882720479	Bombardier-Alstom	SNCB Brussels	11,3	16,4	EUR 1.803.448	0	0,32
M6 SNCB	PC - Passenger car	508882720503	Bombardier-Alstom	SNCB Brussels	11,2	16,3	EUR 1.803.448	0	0,32
M6 SNCB	PC - Passenger car	508880720448	Bombardier-Alstom	SNCB Brussels	11,1	16,2	EUR 3.352.552	0	0,32
M6 SNCB	PC - Passenger car	508880720075	Bombardier-Alstom	SNCB Brussels	11,3	16,4	EUR 3.352.552	0	0,32
M6 SNCB	PC - Passenger car	508880720422	Bombardier-Alstom	SNCB Brussels	11,2	16,3	EUR 3.352.552	0	0,32
M6 SNCB	PC - Passenger car	508880720083	Bombardier-Alstom	SNCB Brussels	11,2	16,3	EUR 3.352.552	0	0,32
M6 SNCB	PC - Passenger car	508880720430	Bombardier-Alstom	SNCB Brussels	11,2	16,3	EUR 3.352.552	0	0,32
M6 SNCB	PC - Passenger car	508880720091	Bombardier-Alstom	SNCB Brussels	11,1	16,3	EUR 3.352.552	0	0,32
M6 SNCB	PC - Passenger car	508880720414	Bombardier-Alstom	SNCB Brussels	11,3	16,4	EUR 3.352.552	0	0,32
M6 SNCB	PC - Passenger car	508880720125	Bombardier-Alstom	SNCB Brussels	10,9	16,0	EUR 3.427.556	0	0,32
M6 SNCB	PC - Passenger car	508880720471	Bombardier-Alstom	SNCB Brussels	10,9	16,0	EUR 3.427.556	0	0,32
M6 SNCB	PC - Passenger car	508880720158	Bombardier-Alstom	SNCB Brussels	10,6	15,7	EUR 3.427.556	0	0,32
M6 SNCB	PC - Passenger car	508880720117	Bombardier-Alstom	SNCB Brussels	11,0	16,1	EUR 3.427.556	0	0,32
M6 SNCB	PC - Passenger car	508880720141	Bombardier-Alstom	SNCB Brussels	10,8	15,9	EUR 3.427.556	0	0,32
M6 SNCB	PC - Passenger car	508880720182	Bombardier-Alstom	SNCB Brussels	10,4	15,6	EUR 3.427.556	0	0,32
M6 SNCB	PC - Passenger car	508880720166	Bombardier-Alstom	SNCB Brussels	10,5	15,6	EUR 3.427.556	0	0,32
M6 SNCB	PC - Passenger car	508880720489	Bombardier-Alstom	SNCB Brussels	10,8	16,0	EUR 3.427.556	0	0,32
M6 SNCB	PC - Passenger car	508880720174	Bombardier-Alstom	SNCB Brussels	10,5	15,6	EUR 3.427.556	0	0,32



List of the data sources EUROFIMA used to produce the Impact Report.

Source of data

Factor	Short name	Source	Page	Value
Average Auto Consumption - Motorway	ACM	Ecopassenger Methodology Report	Page 17	
Average Auto Consumption - Rural	ACR	Ecopassenger Methodology Report	Page 17	
% of time traveled in a Motorway	TM%	Assumption		50%
% of time traveled in Rural roads	TR%	Assumption		50%
Average Auto Consumption - Travel	ACT	Calculated		
Average Diesel Auto Consumption – Travel	ACTD	Calculated		4.9 l/100km
Average Petrol Auto Consumption – Travel	ACTP	Calculated		6.7 l/100km
% of Diesel cars in the European Fleet	DC%	ACEA (fleet type)		42%
% of Petrol cars in the European Fleet	PC%	ACEA (diesel vs petrol)		53,9%
Average car weight		European vehicle market statistics	Page 53	1395 kg
Average Auto Consumption	AC	Calculated		5.9 l/100km
Passengers per kilometer by country	pkmC	EU Statistical pocketbook 2019		
Passengers per kilometer by item of equipment	pkmT	Calculated		
Available seats by country	AvSC	SCI Verkher GmbH		
Available seats by specific item of equipment	AvST	Railways/Manufacturer data sheet		
Numbers of specific green items	#ST	Project		
Baseline GhG emissions per pkm, avoided	EBA	EU Taxonomy	Art. 24.1, Page 329	290 gCO ₂ /vkm
Baseline GhG emissions per pkm, reduced	EBR	EU Taxonomy	Art. 24.1, Page 329	90 gCO ₂ /pkm
Passenger per vehicle	PV	Ecopassenger		1,5
Project savings as reduced emissions	PSR	Calculated		
Project savings as avoided emission	PSA	Calculated		
Diesel Heating Value		Diesel heating value		45.5 MJ/Kg
Energy consumption baseline per pkm, car	JBC	Mobitool.ch		1.30 MJ/pkm
Energy consumption baseline per pkm, diesel equipment	JBD	Ecopassenger Methodology Report	Page 18	1.15 MJ/pkm
Average Energy Consumption of the Green Asset per Pkm = ECGA	JGA	Calculated		
Project savings as reduced energy consumption	PSJR	Calculated		
Project savings as avoided energy consumption	PSJA	Calculated		

Ecopassenger Methodology Report- http://ecopassenger.hafas.de/bin/help.exe/en?L=vs_uic&tpl=methodology

ACEA (fleet type) - <https://www.acea.be/statistics/tag/category/passenger-car-fleet-by-fuel-type>

ACEA (diesel vs. petrol) - <https://www.acea.be/news/article/differences-between-diesel-and-petrol>

European vehicle market statistics - https://theicct.org/sites/default/files/publications/ICCT_Pocketbook_2018_Final_20181205.pdf

EU Statistical pocketbook 2019 - https://ec.europa.eu/transport/facts-fundings/statistics/pocketbook-2019_en

EU Taxonomy - https://ec.europa.eu/info/sites/info/files/business_economy_euro/banking_and_finance/documents/190618-sustainable-finance-teg-report-taxonomy_en.pdf

Ecopassenger - http://ecopassenger.org/bin/query.exe/en?id=uic-eco&L=vs_uic&OK#focus

Mobitool - <https://www.mobitool.ch/de/tools/vergleichsrechner-15.html>