

Tokyo Century Leasing (Singapore) Pte Ltd

8 Cross Street #09-04/05, Manulife Tower, Singapore 048424

• TEL : 65323436 • FAX : 65330117

Co. Registration No: 197901535G

Impact Report for Green Loans

Introduction

Tokyo Century Leasing (Singapore) Pte. Ltd. ("TCLS"), the main business is Leasing & Hire Purchase Business, including Car Finance business and Car Leasing business. In terms of Car Finance business, TCLS started auto loan business since 1997, and new and used vehicle financing is provided through our authorized car agents and dealers. For Car Leasing business, TCLS aims to provide a unique personalized service and customized economical car leasing package to meet our clients' long-term needs.

TCLS carries out business in Singapore to promote environmental protection in accordance with the sustainability policy of the group, contributing to the group's goals, especially "clean transportation" by providing financial services for new energy vehicles such as EV and HV.

TCLS granted Green Loans in April 2022 under the company's green loan framework, and the environmental impacts of the projects refinanced through the green loans are as below:

Table 1: Summary of Impact – Portfolio Level (As of 31 Dec 2023)

Type of Eligible Asset	Amount of Qualified Asset (SGD)	% of Total Allocated Loan Proceeds	Number of Vehicles Deployed	Annual CO ₂ emissions avoided (tCO ₂)
Clean Transportation	76,281,244	100%	1,394	1,564.9

Table 2: Impact per Loan (As of 31 Dec 2023)

Loan	Type of Eligible Asset	Amount of Qualified Asset (SGD)	% of Total Allocated Loan Proceeds	Number of Vehicles Deployed*	Annual CO ₂ emissions avoided (tCO ₂)**
Loan A	Clean Transportation	30,000,000	54.5%	760	614.1
Loan B	Clean Transportation	25,000,000	45.5%	634	512.7

Avoided emissions per vehicle model can be found in the Appendix.

* Allocation amount is approximately 72% of the book value as of 12 Dec 2023.

**Annual emissions avoided attributed to the green loans are calculated by taking the pro rata share based on loan-to-book value.



MANAGING DIRECTOR: HIRAKAWA HIROAKI

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Appendix: Impacts of Clean Transportation per Vehicle Model

Hybrid Models

Vehicle Model	Country	No. of Vehicles Deployed	Allocated Amount* (000'SGD)	CO2 Emission** (CO2 g/km) [X]	Kilometers Traveled*** (km) [Y]	Annual Emissions Avoided**** (tCO2) (160 – [X]) x [Y]
BMW						
520I M SPORT/ SE	Singapore	7	928	120	17,033	4.8
HONDA						
FIT HYBRID 1.5/1.5A	Singapore	63	2,300	79	17,033	86.9
FREED HYBRID	Singapore	201	8,333	112	17,033	165.7
GRACE HYBRID	Singapore	12	376	67	17,033	19.1
ODYSSEY HYBRID	Singapore	7	625	116	17,033	6.6
SHUTTLE HYBRID	Singapore	131	4,226	92	17,033	151.4
VEZEL HYBRID	Singapore	203	6,592	93	17,033	233.3
KIA						
NIRO HYBRID 1.6 GDI	Singapore	18	959	91	17,033	21.2
NISSAN						
KICKS PREMIUM	Singapore	4	370	113	17,033	3.2
SUZUKI						
SWIFT M-HYBRID	Singapore	4	198	94	17,033	4.5
TOYOTA						
CAMRY HYBRID	Singapore	108	6,718	101	17,033	108.5
C-HR HYBRID	Singapore	180	5,083	90	17,033	214.0
COROLLA HYBRID	Singapore	11	1,037	86	17,033	13.8
ESQUIRE HYBRID	Singapore	7	267	117	17,033	5.1
HARRIER 2.5 HYBRID	Singapore	19	1,848	104	17,033	18.1
LEXUS ES300H/UX250H/NX300H	Singapore	9	1,036	104-116	17,033	8.1
NOAH 1.8/1.8X	Singapore	96	6,528	98	17,033	101.2
PRIUS ALPHA HYBRID/PLUS	Singapore	37	1,416	72-91	17,033	50.3
SIENTA 1.5G/ HYBRID	Singapore	90	5,202	92-102	17,033	89.6

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RAV 4 HYBRID	Singapore	10	1,016	107-113	17,033	8.4
VOXY 1.8V/1.8X HYBRID	Singapore	20	1,182	102	17,033	19.8
YARIS CROSS HYBRID	Singapore	16	1,450	75-86	17,033	22.4
OTHERS*****	Singapore	27	2,194	63-120	17,033	30.5

Electric Vehicles

Vehicle Model	Country	No. of Vehicles Deployed	Allocated Amount* (000'SGD)	Electricity Consumption (Wh/km) [Z]	Emission** (CO2 g/km) ([X] = 0.4 x [Z])	Kilometers Traveled*** (km) [Y]	Annual Emissions Avoided**** (tCO2) (160 - [X]) x [Y]
Tesla							
Model 3 STANDARD/RWD	Singapore	29	3,947	122-151	48.8-60.4	17,033	49.6
Model Y PERFORMANCE/RWD	Singapore	6	903	167-185	66.8-74.1	17,033	9.3
BMW							
I4/I7/IX/IX3	Singapore	13	2,731	189-222	75.5-88.7	17,033	17.7
BYD							
E6/E6H	Singapore	21	2,047	171	68.4	17,033	32.8
ATTO 3/100KW SR		10	1,229	160-188	64.0-75.2	17,033	15.6
MG							
ZS EV AT DELUXE/EX	Singapore	14	1,304	147-181	58.8-72.4	17,033	22.3
PORSCHE							
TAYCAN 4/ 4+1/4S	Singapore	6	1,948	197-278	78.8-111.1	17,033	7.7
POLESTAR							
POLESTAR 2 STANDARD/LONG	Singapore	3	406	174-182	69.6-78.8	17,033	4.6
OTHERS*****	Singapore	12	1,818	139-223	55.6-89.2	17,033	18.9

Data Sources and Assumptions

*Allocation amount is the book value as of 12 Dec 2023.

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**CO2 emission data for each type of vehicle is mainly from SGcarmart.com and each maker's homepage.¹ For Electric Vehicles, an emission factor of 0.4g CO2/Wh will be applied to its electrical energy consumption to rate its CO2 emission. The emission factor of 0.4g CO2/Wh is applicable from 1 January 2021 to 31 December 2023.²

***According to Data.gov.sg, the Average Annual Mileage (km) for Cars in 2020-2022 is 17,600 km, 17,100 km, and 16,400 km respectively. The 3-year average annual mileage of 17,033 km is selected for this report.³

****Annual emissions avoided attributed to the green loans is calculated by taking the pro rata share based on loan-to-book value. The assumption of 160g/km for the Average Annual Emissions per km at Singapore wide level is derived from the following analysis:

1. According to the LTA Vehicle Emissions Scheme (VES) for Cars or Taxis Registered from 1 January 2021 to 31 December 2023, the middle band is Band B with a CO2 emission range of $125\text{g/km} < B \leq 160\text{g/km}$.² Assuming 160g/km indicates the petrol car's CO2 emission level, the cap of 160g/km CO2 emission is selected as the final benchmark.

*****Others include financed vehicle models that are less than 3. E.g. BYD/SEAL, MERCEDES/BENZ EQA, MINI/ COOPER SE, FIAT/500E, HYUNDAI/OS KONA, etc.

¹ Sgcarmart, Singapore: <https://www.sgcarmart.com/main/index.php>

² LTA Vehicle Emission Schemes: https://onemotoring.lta.gov.sg/content/onemotoring/home/buying/upfront-vehicle-costs/emissions-charges.html#VES_At_a_glance

³ Land transport Data Mall: <https://datamall.lta.gov.sg/content/datamall/en/static-data.html#Vehicle%20Registration>