

AUSTRALIAN TYRE CONSUMPTION AND RECOVERY



Over the past five years, Australia imported on average **29.3 million new and used tyres per year**

Tyre consumption in Australia

In 2010, the last Australian factory manufacturing tyres closed its doors. Since then **all tyres consumed in Australia are imported**. New and used tyres are imported loose or on new and used vehicles.

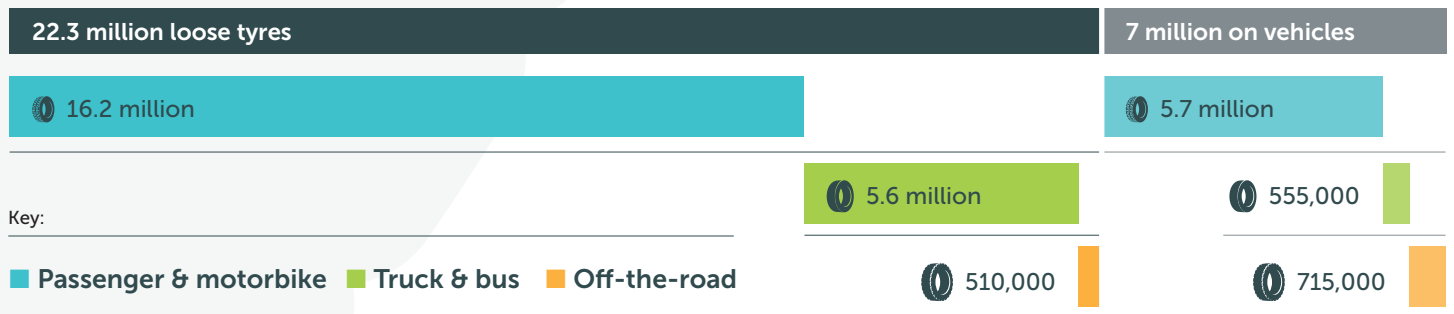
22.3 million loose tyres

7 million tyres on vehicles



Figure 1. Average Australian annual tyre imports by tyre group

29.3 million new and used tyres imported into Australia



Key:

■ Passenger & motorbike ■ Truck & bus ■ Off-the-road

Last five year tyre sales annual average

540,000 tonnes

(57 million new EPU)

Often reported as equivalent passenger units (EPU) or tonnes, **sales of tyres annually in Australia over the past five years have been steady.**

Levy-paying tyre importers market share

43%

(2019-2020)

In 2019-20, the eight levy-paying tyre importers participating within TSA's **Tyre Product Stewardship Scheme (TPSS)** represent approx. 43% of the market.

Vehicles on register in Australia

19.8 million

(January 2020)

Approx. tyres in use

83.7 million

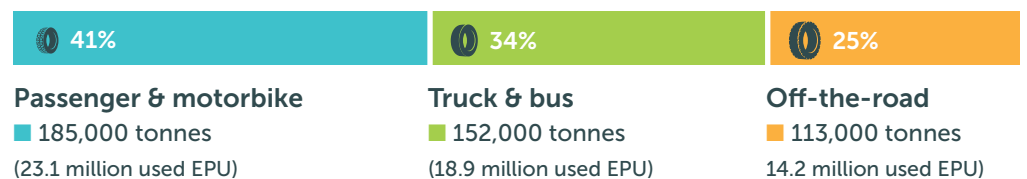
(January 2020)



Used tyre or end-of-life tyre generation

Over the past five years Australia annually generated on average an estimated **450,000 tonnes of EOLT** (56 million used EPU)

450,000 tonnes of end-of-life tyres



TSA Levy-paying tyre importers and autobrands






Recovery of used tyres

Recovery broadly refers to used tyres that are collected to be either **reused** (after re-treading or repair), **processed into tyre derived products** (TDPs) including tyre derived fuel for embodied energy (energy recovery) or for **use whole in thermal processing** either in Australia or overseas.

Estimated used tyres recovered in Australia 2019-20

332,000 tonnes
72% of EOLT

-  **Reused**
92,000 tonnes (20.2%)
(11.5 million used EPU)
-  **Processed into TDP**
187,000 tonnes (40.6%)
(23.3 million used EPU)
-  **Used whole in Thermal Processing**
53,000 tonnes (11.6%)
(6.6 million used EPU)

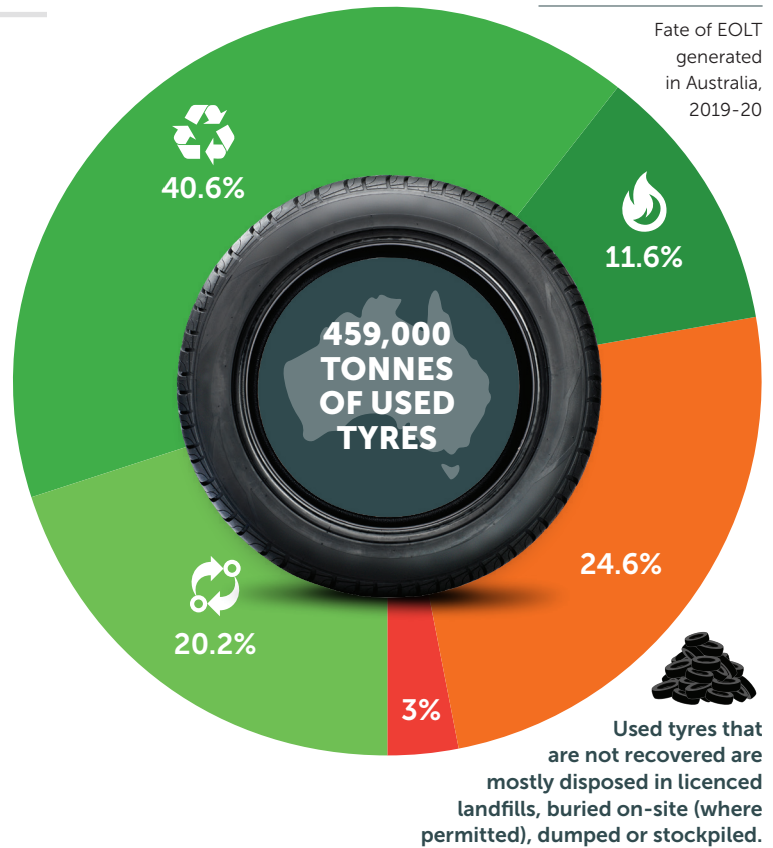
Used tyres dumped, buried, stockpiled or disposed to landfill

127,000 tonnes
28% of EOLT

- **Disposed to landfill or buried onsite**
113,000 tonnes (24.6%)
(14.2 million used EPU)
- **Dumped or stockpiled**
14,000 tonnes (3%)
(1.7 million used EPU)

Figure 2:

Fate of EOLT generated in Australia, 2019-20



Used tyres recovered by NTPSS participants

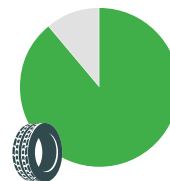
208,000 tonnes
(26 million used EPU)



In 2019-20, NTPSS accredited collectors and recyclers managed **63%** of the estimated recovered tyres.

Used tyre recovery by type

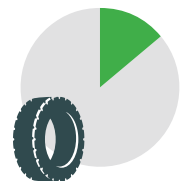
Passenger tyres are the dominant tyre in use in Australia making up over **70% by quantity**. The recovery in 2019-20 was estimated to be around 89% with TPSS accredited collectors and recyclers managing **86%** of used passenger tyres.



Passenger & motorbike
● 89% recovered



Truck & bus
● 90% recovered



Off-the-road
● 14% recovered

Used tyre recovery for domestic and export markets

In 2019-20, of the estimated used tyres recovered, 69,000 tonnes were used in domestic markets, and 263,000 tonnes were used in export markets of which 127,500 tonnes were reprocessed and exported and 135,500 tonnes were exported whole.

332,000 tonnes of recovered end-of-life tyres



Domestic market

■ 69,000 tonnes
(8.6 million used EPU)

■ Exported reprocessed
(127,500 tonnes/15.9 million used EPU)

■ Exported whole
(135,500 tonnes/16.9 million used EPU)

Stockpiling and the ban on export of whole EOLT

From 1 December 2021, the export of baled whole tyres from Australia will be banned. To ensure there is not a repeat of stockpiling issues of the past, TSA will continue to work with industry and regulators to increase the domestic market for tyre derived products and support local investment for technology to consume used tyres within Australia.

The National Waste Policy Action Plan 2019

In December 2018, the 2018 National Waste Policy was agreed by Australia's Environment Ministers setting a new unified direction for waste and recycling in Australia. The National Action Plan presents targets and actions to implement the 2018 National Waste Policy which includes a target of 80% average resource recovery rate from all waste streams by 2030.