



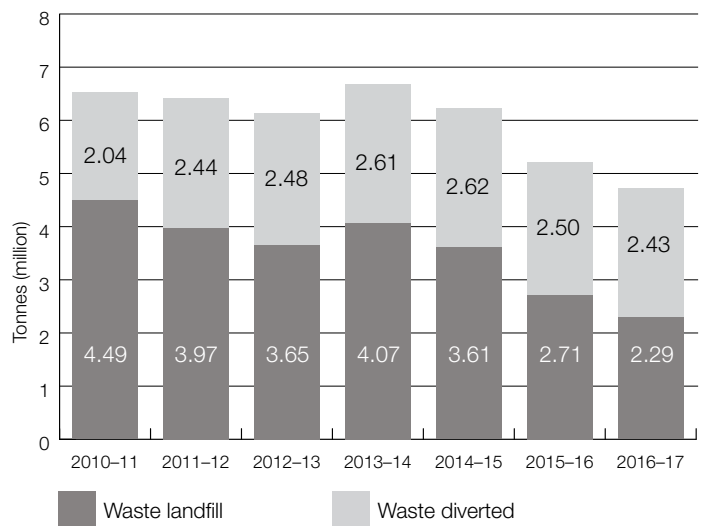
## Landfill and diversion quantities by sector

Western Australia's waste generation can be divided into the following waste sectors: municipal solid waste (MSW), commercial and industrial (C&I), and construction and demolition (C&D). Landfill and diversion quantities for each sector for the whole State and for metropolitan and non-metropolitan regions are shown below. Reported quantities have been rounded throughout.

### Western Australia data

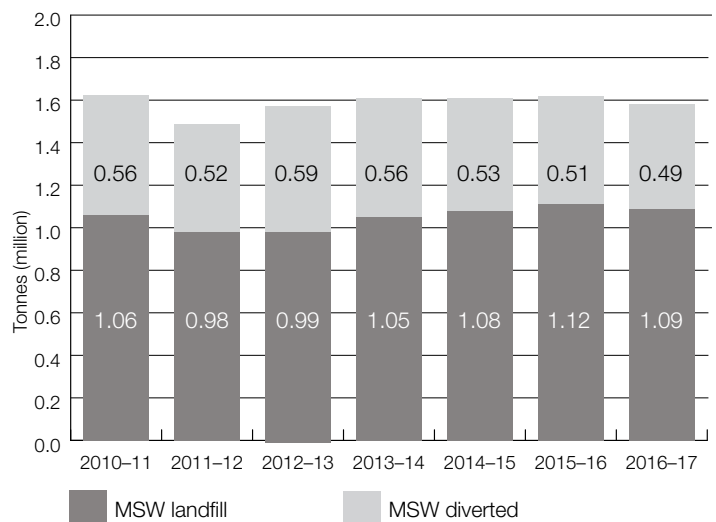
- A total of 4.71 million tonnes of waste was generated in Western Australia in 2016–17.
- Waste diverted from landfill has increased by 19 per cent since 2010–11, increasing from 2.04 million tonnes in 2010–11 to 2.43 million tonnes in 2016–17.
- Apart from a temporary increase in 2013–14, waste disposed of to landfill has followed a declining trend, from 4.49 million tonnes in 2010–11 to 2.29 million tonnes in 2016–17.

Waste diverted and landfilled, Western Australia



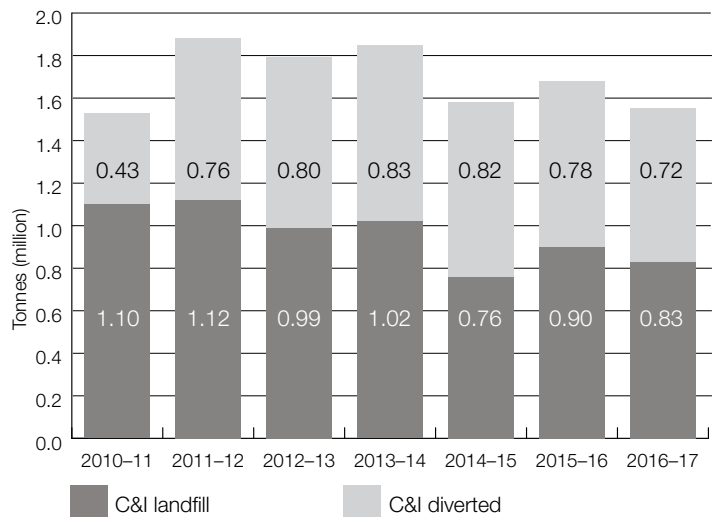
- MSW refers to solid waste generated from households and local government activities.
- Western Australia's MSW generation and diversion has declined between 2010–11 and 2016–17.
- In 2016–17, the amount of MSW generated was 1.57 million tonnes, of which 1.09 million tonnes was disposed of to landfill and 0.49 million tonnes was diverted from landfill.

MSW diverted and landfilled, Western Australia



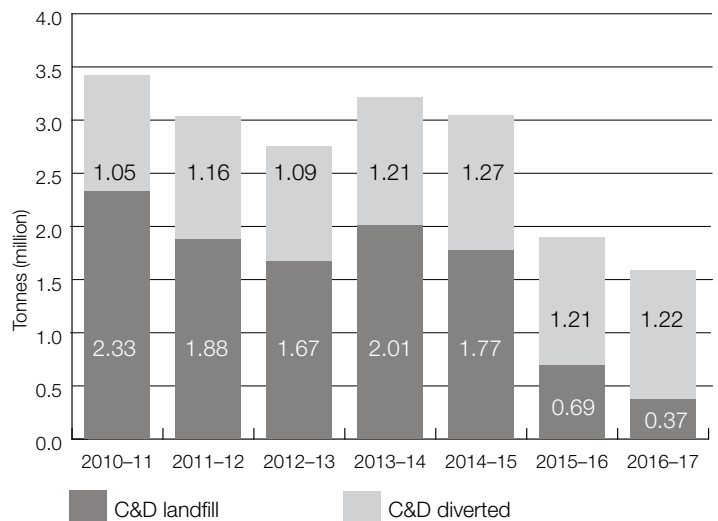
## C&I waste diverted and landfilled, Western Australia

- C&I waste refers to solid waste generated by the business sector, state and federal government entities, schools and tertiary institutions.
- C&I waste generation in Western Australia was 1.55 million tonnes in 2016–17, 8 per cent lower than it was in 2015–16.
- In 2016–17, just under half (0.72 million tonnes) of C&I waste generated was diverted from landfill.



## C&D waste diverted and landfilled, Western Australia

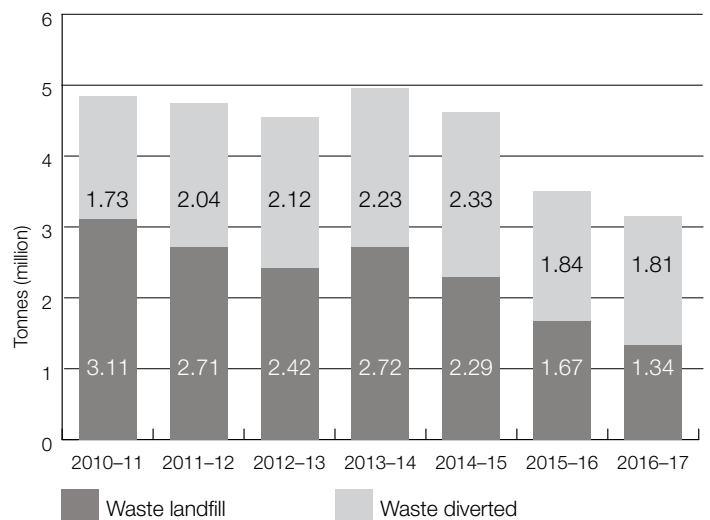
- C&D waste refers to solid waste from residential, civil and commercial construction and demolition activities.
- Western Australia's reported C&D waste generation has fallen substantially since 2014–15 from 3.04 million tonnes to 1.60 million tonnes in 2016–17.
- A total of 1.22 million tonnes (77 per cent) of C&D waste was diverted from landfill in 2016–17.



## Perth metropolitan region

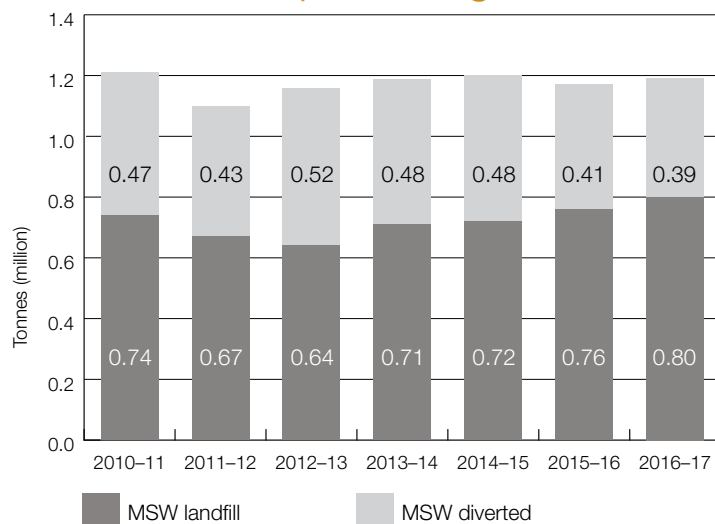
- Waste generation in the Perth metropolitan region decreased from 4.84 million tonnes in 2010–11 to 3.15 million tonnes in 2016–17.
- Waste diverted in the Perth metropolitan region increased every year from 2010–11 to 2014–15 and then fell from 2.33 million tonnes in 2014–15 to 1.81 million tonnes in 2016–17.
- Waste disposed of to landfill has followed a downward trend since 2010–11

## Waste diverted and landfilled, Perth metropolitan region



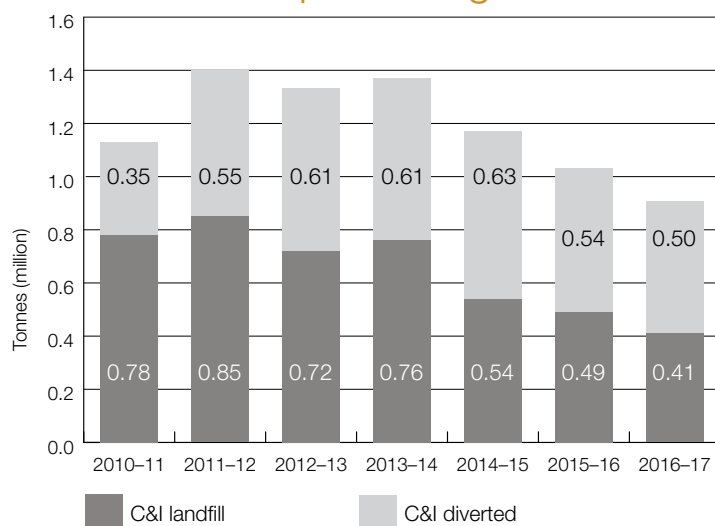
- MSW generation in the Perth metropolitan region was 1.19 million tonnes in 2016–17 and has remained relatively stable since 2010–11.
- MSW diverted in the Perth metropolitan region was 0.39 million tonnes in 2016–17 and has declined by 16 per cent since 2010–11.
- MSW disposed of to landfill in the Perth metropolitan region was 0.80 million tonnes in 2016–17, the highest since 2010–11.

### MSW diverted and landfilled, Perth metropolitan region



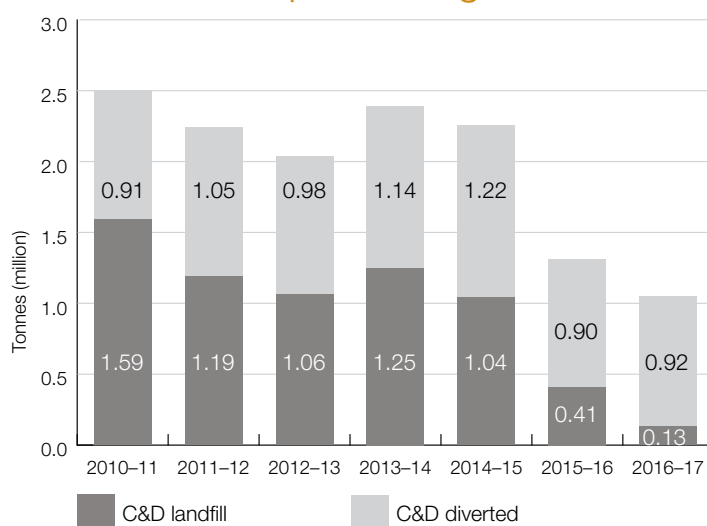
- C&I waste generation in the Perth metropolitan region increased from 1.13 million tonnes in 2010–11 to 1.39 million tonnes in 2011–12; remained stable between 2011–12 and 2013–14; and since decreased to 0.91 million tonnes in 2016–17.
- The amount of metropolitan C&I waste diverted from landfill increased from 0.35 million tonnes in 2010–11 to a peak of 0.63 million tonnes in 2014–15. It has since decreased to 0.50 million tonnes in 2016–17.
- In 2016–17, the amount of metropolitan C&I waste disposed of to landfill fell to its lowest level since 2010–11, declining to 0.41 million tonnes.

### C&I waste diverted and landfilled, Perth metropolitan region



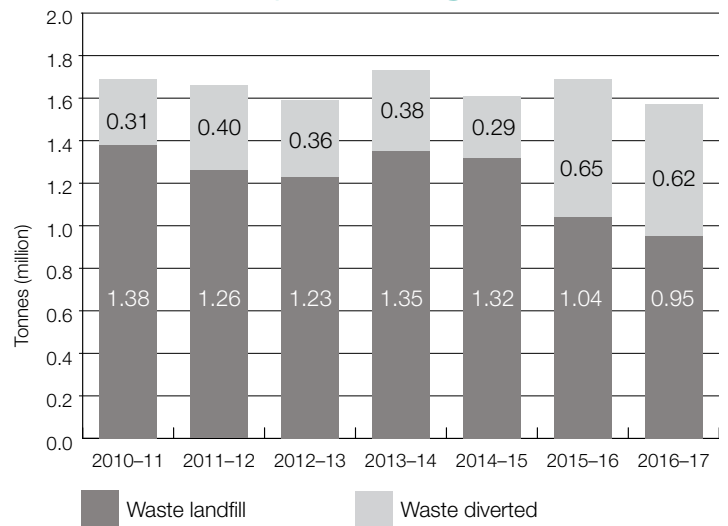
- Reported C&D waste generation in the Perth metropolitan region was 1.05 million tonnes in 2016–17, substantially down on the 2.50 million tonnes generated in 2010–11.
- Metropolitan C&D waste diverted from landfill was following an increasing trend, rising from 0.91 million tonnes in 2010–11 to 1.22 million tonnes in 2014–15 but since declined to 0.92 million tonnes in 2016–17.
- The amount of metropolitan C&D waste disposed of to landfill decreased significantly from 1.59 million tonnes in 2010–11 to 0.13 million tonnes in 2016–17

### C&D waste diverted and landfilled, Perth metropolitan region



- As non-metropolitan landfills are not required to report landfill quantities, alternative approaches to estimating non-metropolitan landfill quantities are used that may make the estimates less accurate.
- Non-metropolitan waste generation was estimated at 1.56 million tonnes in 2016–17.
- Non-metropolitan waste diversion has increased substantially since 2014–15 and was 0.62 million tonnes in 2016–17, while the quantity of waste disposed of to landfill has followed a declining trend and was estimated at 0.95 million tonnes in 2016–17.

### Waste diverted and landfilled, non-metropolitan region



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