

Acknowledgement of Country

Transport for NSW acknowledges the traditional custodians of the land on which we work and live.

We pay our respects to Elders past and present and celebrate the diversity of Aboriginal people and their ongoing cultures and connections to the lands and waters of NSW.

Many of the transport routes we use today – from rail lines, to roads, to water crossings – follow the traditional Songlines, trade routes and ceremonial paths in Country that our nation's First Peoples followed for tens of thousands of years.

Transport for NSW is committed to honouring Aboriginal peoples' cultural and spiritual connections to the lands, waters and seas and their rich contribution to society.

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Versions

Version	Amendment notes
V1.0	First version

1. Value of freight and logistics sector

This dataset provides modelled outputs of GVA and employment in NSW, including in-house, for-hire, and upstream types. Data are in the format of csv.

The data are available on specific levels of:

- SA3
- Industry
- Mode
- Year (base year 2022-2023, forecasts every five years until 2060-2061)
- Disaggregation scenario

The dataset is modelled based on *Value of Freight Transport and Logistics Sector*.

2. Definitions

2.1 Types of GVA (\$m)

Term	Definition
For-hire GVA	Estimated by isolating relevant industries from National and State Accounts, published by the Australian Bureau of Statistics (ABS). NSW State Account data provides total GVA of the for-hire transport and logistics industry (including passenger activity) which is then disaggregated to include only freight or logistics related activity relevant to NSW.
In-house GVA	Estimated based on the equivalent valuation of comparable for-hire services. Fundamentally, the methodology is based on identifying key transport inputs and applying their contribution to GVA in the for-hire industry to each industry where freight transport and logistics occurs 'in-house'.
Supported upstream GVA	The GVA supported by for-hire and in-house freight and logistics through the purchase of input products, such as tyres, fuel, insurance and registration. This is estimated using the National Accounts Input-Output Tables to identify the value of upstream consumption, and subsequently the corresponding GVA in supplying industries.

2.2 Types of Employment (employee jobs)

Term	Definition
For-hire freight and logistics employment	Estimated using the same approach as the GVA estimation method, by disaggregating relevant freight transport and logistics employment data from the National Accounts, using the ABS' Australian Industry Statistics
In-house freight and logistics employment	Estimated using detailed Census employment data, ³ which includes occupation information, to identify both direct freight and logistics employment (such as truck drivers and train drivers) and supporting employment (such as managers and human resources staff). The relative number of supporting employees is based on the

Term	Definition
	equivalent ratio within the for-hire industry.

2.3 Disaggregation scenarios

Term	Definition
Base	Based on the 2021 Census Data and the 2019 TfNSW Strategic Freight Model – which do not account for the potential future impact of the Western Sydney Airport (WSA) Aerotropolis.
WSA	<p>Adjusted the location in which GVA is expected to occur in future, however does not increase total industry GVA, given it is unclear how WSA would impact total NSW freight and logistics sector GVA..</p> <p>The adjustment has three components:</p> <ol style="list-style-type: none"> 1. Reallocate a proportion of air freight transport GVA from Sydney Airport to WSA based on expected volumes of freight as published in the TfNSW Freight and Ports Plan, 2018-2023. 2. Reallocate remaining direct in-house and for-hire freight transport and logistics GVA to SA3s, based on by-industry employment at WSA as a proportion of total state employment by year. Employment (place of work) projections from TfNSW's Travel Zone Projections 2022 (TZP22) was used for this modelling. 3. Recalculate upstream GVA.

3. Data Structure

Field Name	Data Type	Field Description
SA3	String	NSW SA3s
Industry	String	Industry defined by Australian Bureau of Statistics
ReportMode	String	Transport modes defined by subdivisions under ABS industry Division I, Transport, Postal and Warehousing
Year	String	Every five years from 2022-2023 to 2060-2061
Metric	String	GVA (\$m) or employment (employee jobs)
Scenario	String	Base or WSA
Type	String	In-house, for-hire or upstream
Value	Float	\$m for GVA, employee jobs for employment