



Future Employment Development Database Factsheet

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The Future Employment Development Database (FEDD) forms a key input into the employment projections (jobs) at place of work in Travel Zone Projections 2019 (TZP19).

What is the Future Employment Development Database?

- It is a database of 109 non-residential developments likely to accommodate future jobs in NSW.
- It represents the future “project pipeline” of employment generating developments across NSW, as at late 2019.
- The database was prepared using publically available information from sources such as the NSW Department of Planning, Industry and Environment’s (DPIE) Planning Portal (Major Projects), Precinct Plans, Mining and Resource Projects and Special Activation Precincts as well as more general development applications.

Why was the FEDD created?

- The FEDD was created to provide detailed assumptions about the likely timing, industry breakdowns and spatial location of employment associated with each future development project.
- It is a key component of the latest employment projections in TZP19, influencing the spatial distribution of future employment, particularly in the first 20 years of the projections.

What are the FEDD projects?

- The 109 FEDD projects modelled range from major precincts such as the Western Sydney Aerotropolis, to smaller local development such as shopping centre expansions and regional projects including mines and Special Activation Precincts.
- They fall under three project types, Major, Minor and Regional and cover the forecast period of 2021 to 2056.

Table 1: Summary of projects included in the FEDD by type

Project Type	Number of Projects modelled	Total Jobs	Percentage
Major	73	568,065	93.7%
Minor	17	22,249	3.7%
Regional	19	16,216	2.7%
Total	109	606,530	100.0%

How was the FEDD prepared?

- Information about projects to include in the FEDD was sourced via collaboration with key government agencies including TfNSW, DPIE and the Greater Sydney Commission (GSC).
- The first step was to create an initial project list and categorise them into the three types: Sydney - Major, Sydney - Minor or Regional.
- The initial project list included 4,379 projects. This list was reduced to 109 projects through consultation and workshops with SGS, TfNSW, DPIE and GSC. Key selection criteria included:
 1. jobs enabled was greater than 100
 2. planning significance to the local area and
 3. stage of planning approval.
- The second step was to collect publicly available details on location, timing, industries and projections for floorspace and employment.
- The FEDD model classifies project employment in 33 industry categories that includes 18 1-digit ANZSIC categories and Manufacturing split into the 15 2-digit ANZSIC categories.

Cautions

There are a number of considerations to take into account when interpreting FEDD results.

- FEDD are point in time (late 2019) projections built primarily off job numbers found in publicly available planning documents. Ideally, the latest and most up to date documentation is included. However, projects can be delayed or amended making information out of date.
- Job estimates found in planning documentation are often 'best case' scenarios. As such, the data collected through this process tends to overstate the contribution of the projects to employment.
- Job types found in many planning documents tends to favour the ability of a project to attract white-collar knowledge workers. As such, the FEDD tends to skew towards Knowledge Intensive employment, such as Professional, Scientific and Technical Services.
- The selection process is naturally skewed towards the largest projects, with the largest employment estimates. Given they will likely have the biggest impact on transport demand this is appropriate. As a consequence of this selection process, projects are more likely to be found in metropolitan Sydney than regional NSW.
- Most data available is high level. Not all projects contain job estimates, timelines or Indicative Layout Plans. Therefore, discrepancies may be found by total jobs, job type, travel zone and the timeline.

- Planning documentation often provides employment estimates to 2036, with limited information about projects beyond 2036. Therefore, detailed level job projections should be treated with caution in future years.
- Not all FEDD project jobs were included in TZP19 employment dataset to ensure a reasonable balance between population and employment emerges in future years and to allow for the dataset to align with the state level employment control totals.

Table 3: Broad Industry Category – ANZSIC categories

Broad Industry Category	ANZSIC categories in TZP19
Knowledge Intensive	Information Media and Telecommunications, Financial and Insurance Services, Rental, Hiring and Real Estate Services, Professional, Scientific and Technical Services Administrative and Support Services, Public Administration and Safety
Health and Education	Education and Training, Health Care and Social Assistance
Population Serving	Construction, Retail Trade, Accommodation and Food Services, Arts and Recreation Services, Other Services
Industrial	Agriculture, Forestry and Fishing, Mining, Food Product Manufacturing Beverage and Tobacco Product Manufacturing Textile, Leather, Clothing and Footwear Manufacturing Wood Product Manufacturing Pulp, Paper and Converted Paper Product Manufacturing Printing (including the Reproduction of Recorded Media) Petroleum and Coal Product Manufacturing Basic Chemical and Chemical Product Manufacturing Polymer Product and Rubber Product Manufacturing Non-Metallic Mineral Product Manufacturing Primary Metal and Metal Product Manufacturing Fabricated Metal Product Manufacturing Transport Equipment Manufacturing Machinery and Equipment Manufacturing Furniture and Other Manufacturing Electricity, Gas, Water and Waste Services Wholesale Trade, Transport, Postal and Warehousing

For more information about how the FEDD was used to prepare TZP19 can be found in the TZP19 Technical Guide available from the [TfNSW corporate website](#) and the [TfNSW Open Data Hub](#) or contact the Land Use Forecasting team at TfNSW using this [request form](#)

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