

## APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

### Major projects List

The following is a list of 74 major projects expected to take place in and near to the Bega Valley Shire area over the next 10 years.

Items on this list have been used as the basis for estimating where future jobs (which are equivalent full time positions) will be created based on the modelling of the Council’s economic profiling tool supplied by id Consulting.

Only projects with a total capital cost over \$500,000 of each project were considered.

Major projects were sourced from Bega Valley Shire Council’s asset management plan, Council’s website, advice of Council staff, commercial development approvals from the Bega Valley Local Shire and State and Federal Government infrastructure information portals.

Project Name	Project Source	Project Cost
Buildings renewals	Council AMP	\$3,080,000
Leisure and recreation renewals	Council AMP	\$6,860,000
Leisure and recreation upgrades	Council AMP	\$3,780,000
Sewer renewals	Council AMP	\$18,968,000
Sewer upgrades	Council AMP	\$21,142,000
Transport renewals	Council AMP	\$48,125,000
Waste upgrades	Council AMP	\$2,986,000
Water renewals	Council AMP	\$14,493,000
Water upgrades	Council AMP	\$48,609,000
Reconstruction of multi dwelling housing development (3 units)	Commercial DA	\$569,761
Dual occupancy and animal boarding establishment	Commercial DA	\$610,000
New ecotourism facility	Commercial DA	\$747,727
Alterations and additions to hotel including entertainment facility	Commercial DA	\$803,000
Alterations and additions to Eden Killer Whale Museum	Commercial DA	\$965,000
Multi dwelling housing and 3 lot subdivision	Commercial DA	\$989,614
Heavy vehicle shed and storage area	Commercial DA	\$996,024
Staged construction of buildings for bulky goods premises	Commercial DA	\$1,634,270
Child care centre and multi dwelling housing	Commercial DA	\$1,958,154
Alterations and additions to Information and Education Facility (Gallery)	Commercial DA	\$3,600,000
Educational Facility - TAFE Connected Learning Centre	Commercial DA	\$4,800,600

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Clinical Training Facility and student accommodation	Commercial DA	\$4,841,511
Office premises with shop top housing	Commercial DA	\$534,795
Intensive livestock agriculture (Calf rearing feedlot)	Commercial DA	\$803,000
Erection of a replacement dairy	Commercial DA	\$946,000
Office/business premises, shop top housing, seniors living development	Commercial DA	\$1,048,443
Part demolition and restoration of building as commercial premises	Commercial DA	\$1,458,050
Multi dwelling housing (9 units) and subsequent strata subdivision	Commercial DA	\$2,091,500
Staged multi-unit housing development and staged strata subdivision	Commercial DA	\$2,700,000
Retail premises – Supermarket	Commercial DA	\$7,620,327
Ecotourism Facility- erection of dwelling, cabin and shed	Commercial DA	\$584,000
Multi dwelling housing development (4 units) and strata subdivision	Commercial DA	\$706,475
Alterations and additions to existing Food and Drink Premises	Commercial DA	\$713,507
Construction of a dairy	Commercial DA	\$811,800
Construction of a supermarket, liquor store and 2 lot subdivision	Commercial DA	\$2,095,400
Alterations and additions to existing seniors living village	Commercial DA	\$10,000,000
Storage premises	Commercial DA	\$504,900
Food and drink premises (Cafe and Micro Brewery)	Commercial DA	\$533,720
Storage Premises and associated signage	Commercial DA	\$556,000
Erection of a splash pad ancillary to caravan park	Commercial DA	\$600,000
Construction of Self Storage units	Commercial DA	\$621,000
Self-storage units and Freight Transport Facility	Commercial DA	\$639,100
Alterations and additions to Commercial premises	Commercial DA	\$650,000
Erection of storage sheds	Commercial DA	\$900,000
Alterations and additions to Educational Establishment	Commercial DA	\$1,000,000
Alterations and additions to existing factory (Lactoferrin processing)	Commercial DA	\$1,500,000
Alterations and additions to Tathra Hotel	Commercial DA	\$1,980,940
Accommodation for carers and patients for South East Regional Hospital	Commercial DA	\$2,200,000
Seniors Living Development comprising 24 units	Commercial DA	\$2,966,900
Internal and external alteration and additions to existing registered club	Commercial DA	\$4,000,000
Alterations and additions to the existing residential care facility	Commercial DA	\$9,802,210
Construction of an industrial shed for the purpose of vehicle body rep	Commercial DA	\$600,000
Seniors Living Units (5 units) and Strata Subdivision	Commercial DA	\$940,000
Demolition of building and construction of vehicle repair station	Commercial DA	\$950,000
Alterations and additions to existing educational establishment	Commercial DA	\$1,220,000
Demolition of existing service station and Erection of Service Station	Commercial DA	\$1,702,673
Multi Dwelling Housing - 13 units in 4 stages	Commercial DA	\$2,210,000
Multi Unit Housing - 13 units in 4 stages	Commercial DA	\$2,700,000
Alterations and additions to existing Aged Care Facility Seniors Housing	Commercial DA	\$3,068,560
Bega Sports Complex Building Project	Sport and recreation	\$8,500,000

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Coastal Accessibility Master Plans	Sport and recreation	\$2,766,000
Lake Street Shared Path	Sport and recreation	\$2,000,000
Swimming Pools Strategy	Sport and recreation	\$864,000
Tathra to Kalaru Bike Track	Sport and recreation	\$3,000,000
Light to Light Great Walk	Sport and recreation	\$7,948,000
Twyford Hall	Infrastructure	\$3,900,000
Snug Cove Wave Attenuator	Infrastructure	\$19,000,000
Merimbula Sewerage Treatment Plant Upgrade (Ocean Outfall)	Water and Sewerage	\$32,000,000
Sealing of West Kameruka Road	Road	\$3,500,000
Whipstick Bridge upgrade, Wyndham	Road	\$1,300,000
Hammond Elegance Range Hearse Design and Manufacturing Facility	Industry	\$594,002
Merimbula Airport upgrade- Runway extension	Airport	\$11,562,100
Merimbula Airport Taxiway and Hanger work	Airport	\$4,000,000
<b>Total</b>		<b>\$376,887,063</b>

Note: Snowy 2.0 and Princes Highway Corridor have **not** been included in the job impacts analysis as the number of jobs which would be sourced for these projects from the Bega Valley Local Shire specifically were not verified by authorities responsible for the projects in the consultation processes.

Projects outside Bega Valley Local Government Area		
Princes Highway Corridor- Batemans Bay (south) to NSW /Victorian Border	Road	\$625,000,000
Snowy 2.0	Energy	\$3.8-4.5 billion

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

### Job impacts of major projects

Bega Valley Shire Council's economic profiling tool was used to estimate the local jobs (Full Time Equivalent (FTE) positions that will be available within the Shire) that the major projects analysed will create.<sup>1</sup>

These estimates assume that all major projects examined will be completed within the next 10 years. The modelling used the Council's Economic Profile ( developed by id Consulting). The model estimates total jobs to be created based on the capital value of the projects assessed.

Jobs by occupation were also determined by multiplying the estimated number of jobs in each industry sector by the occupations within that industry. For more information on industry to occupation analysis refer to Appendix 4.

These jobs have been categorised according to industry and occupation in the tables below.

Jobs have been split by direct and flow on (in direct) jobs. Direct jobs refer to jobs created by direct employment of workers required to complete the project. Flow on jobs refers to jobs created by subsequent rounds of expenditure in the wider economy. Jobs created as a direct result of expenditure on capital projects are assumed to occur in the construction industry, with flow on jobs from this expenditure distributed across all industries by the modelling tool's methodology.

### Jobs by industry arising from major projects

Industry	Number of jobs (FTE)
<b>Direct jobs</b>	
Construction	973
<b>Industry</b>	<b>Number of jobs (FTE)</b>
<b>Flow on jobs</b>	
Agriculture, Forestry and Fishing	12
Mining	19
Manufacturing	214
Electricity, Gas, Water and Waste services	18
Construction	386
Wholesale Trade	50
Retail Trade	95
Accommodation and Food services	47
Transport, Postal and Warehousing	35
Information media and Telecommunications	14
Financial and Insurance services	60
Rental, Hiring and Real Estate services	15
Professional, Scientific and Technical services	117
Administrative and Support services	49
Public Administration and Safety	12
Education and Training	40
Health Care and Social assistance	61
Arts and Recreation services	17
Other services	61
<b>Total flow on jobs</b>	<b>1,324</b>
<b>Total Direct and Flow on job from major projects</b>	<b>2,296</b>

<sup>1</sup> Bega Shire Council economic profile, <https://profile.id.com.au/bega-valley>, accessed January 2020

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

(rounding issues may impact on totals) :

### Jobs by occupation arising from major projects

Occupation	Number of jobs (FTE)
Carpenters and Joiners	238
Construction Managers	119
Electricians	104
Plumbers	100
Painting Trades Workers	85
Earthmoving Plant Operators	77
Sales Assistants (General)	68
Truck Drivers	59
Food and Drink Factory Workers	48
Building and Plumbing Labourers	47
Gardeners	47
Concreters	42
General Clerks	40
Plasterers	39
Bookkeepers	32
Bank Workers	32
Architectural, Building and Surveying Technicians	30
Handypersons	29
Secretaries	28
Bricklayers and Stonemasons	28
Office Managers	28
Wall and Floor Tilers	27
Retail Managers	26
Metal Fitters and Machinists	24
Fencers	24
Structural Steel and Welding Trades Workers	23
Packers	22
Motor Mechanics	21
Insulation and Home Improvement Installers	20
Commercial Cleaners	18
Accountants	17
Receptionists	16
Contract, Program and Project Administrators	15
Real Estate Sales Agents	14
Paving and Surfacing Labourers	13
Sales Representatives	13
Accounting Clerks	12
Hairdressers	12
Floor Finishers	12
Registered Nurses	12

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Machine Operators, nfd	11
Other Miscellaneous Labourers	11
Keyboard Operators	11
Aged and Disabled Carers	10
Other Specialist Managers	9
Primary School Teachers	9
Chemical, Gas, Petroleum and Power Generation Plant Operators	9
Secondary School Teachers	9
Checkout Operators and Office Cashiers	9
Storepersons	9
Mobile Plant Operators, nfd	8
Forklift Drivers	8
Architects and Landscape Architects	8
Other Clerical and Office Support Workers	8
Other Stationary Plant Operators	8
Civil Engineering Professionals	8
Bar Attendants and Baristas	7
Finance Managers	7
Solicitors	7
Bakers and Pastrycooks	6
Kitchenhands	6
Livestock Farmers	6
Other Hospitality, Retail and Service Managers	6
Production Managers	6
Glaziers	6
Other Mobile Plant Operators	6
Bus and Coach Drivers	6
Crane, Hoist and Lift Operators	6
Other Construction and Mining Labourers	6
Technicians and Trades Workers, nfd	6
Technical Sales Representatives	6
Waiters	6
Management and Organisation Analysts	6
Human Resource Managers	5
Child Carers	5
Airconditioning and Refrigeration Mechanics	5
Garden and Nursery Labourers	5
Pharmacy Sales Assistants	5
Land Economists and Valuers	5
Financial Investment Advisers and Managers	5
Shelf Fillers	5
Cabinetmakers	5
Interior Designers	5
Roof Tilers	5

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Science Technicians	5
Education Aides	5
Environmental Scientists	4
Domestic Cleaners	4
Veterinarians	4
Product Quality Controllers	4
Purchasing and Supply Logistics Clerks	4
Financial Brokers	4
Cooks	4
Nursing Support and Personal Care Workers	4
Delivery Drivers	4
Veterinary Nurses	4
Housekeepers	4
Software and Applications Programmers	4
Cafe Workers	4
Chefs	4
Couriers and Postal Deliverers	4
Panelbeaters	4
Credit and Loans Officers (Aus) / Finance Clerks (NZ)	4
Retail Supervisors	4
Farmers and Farm Managers, nfd	4
ICT Support Technicians	4
Machinery Operators and Drivers, nfd	4
Motor Vehicle and Vehicle Parts Salespersons	4
Bricklayers, and Carpenters and Joiners, nfd	4
Structural Steel Construction Workers	4
Metal Engineering Process Workers	4
Advertising, Public Relations and Sales Managers	3
Paper and Wood Processing Machine Operators	3
Electrical Distribution Trades Workers	3
Freight and Furniture Handlers	3
Cafe and Restaurant Managers	3
Welfare Support Workers	3
Cleaners and Laundry Workers, nfd	3
Fitness Instructors	3
Advertising and Marketing Professionals	3
Human Resource Professionals	3
Transport and Despatch Clerks	3
Conveyancers and Legal Executives	3
Butchers and Smallgoods Makers	3
Supply, Distribution and Procurement Managers	3
Journalists and Other Writers	3
Timber and Wood Process Workers	3
Tourism and Travel Advisers	3

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Importers, Exporters and Wholesalers	3
Electronics Trades Workers	3
Photographers	3
Graphic and Web Designers, and Illustrators	3
Manufacturers	3
Product Assemblers	3
Greenkeepers	3
Ministers of Religion	3
Call or Contact Centre and Customer Service Managers	2
Hotel and Motel Managers	2
Telecommunications Trades Workers	2
Animal Attendants and Trainers	2
Beauty Therapists	2
Information Officers	2
Payroll Clerks	2
General Managers	2
Meat, Poultry and Seafood Process Workers	2
Court and Legal Clerks	2
Multimedia Specialists and Web Developers	2
Car Detailers	2
Fast Food Cooks	2
Food Trades Assistants	2
Ticket Salespersons	2
General Practitioners and Resident Medical Officers	2
Enrolled and Mothercraft Nurses	2
Sports Coaches, Instructors and Officials	2
Surveyors and Spatial Scientists	2
Deck and Fishing Hands	2
Nurserypersons	2
Wood Machinists and Other Wood Trades Workers	2
ICT Managers	2
Chief Executives and Managing Directors	2
School Principals	2
Motor Vehicle Parts and Accessories Fitters	2
Transport Services Managers	1
ICT Business and Systems Analysts	1
Signwriters	1
Private Tutors and Teachers	1
Other Cleaners	1
Other Sales Assistants and Salespersons	1
Other Personal Service Workers	1
Welfare, Recreation and Community Arts Workers	1
Medical Technicians	1
Early Childhood (Pre-primary School) Teachers	1



## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Livestock Farm Workers	1
Dental Assistants	1
Marine Transport Professionals	1
Financial Dealers	1
Insurance, Money Market and Statistical Clerks	1
Insurance Agents	1
Automobile Drivers	1
Economists	1
Security Officers and Guards	1
Laundry Workers	1
Special Education Teachers	1
School Teachers, nfd	1
Pharmacists	1
Health and Welfare Services Managers	1
Personal Assistants	1
Licensed Club Managers	1
Models and Sales Demonstrators	1
Other Accommodation and Hospitality Managers	1
Electrical Engineering Draftspersons and Technicians	1
Vehicle Body Builders and Trimmers	1
Ambulance Officers and Paramedics	1
Auditors, Company Secretaries and Corporate Treasurers	1
Funeral Workers	1
Construction, Distribution and Production Managers, nfd	1
Aquaculture Farmers	1
Police	1
Agricultural and Forestry Scientists	1
Engineering Professionals, nfd	1
ICT Support and Test Engineers	1
Social Workers	1
Sewing Machinists	1
Other Machine Operators	1
Amusement, Fitness and Sports Centre Managers	1
Other Miscellaneous Clerical and Administrative Workers	1
Physiotherapists	1
Visual Arts and Crafts Professionals	1
Managers, nfd	1
Other Building and Engineering Technicians	1
Boat Builders and Shipwrights	1
Machine and Stationary Plant Operators, nfd	1
Factory Process Workers, nfd	1
Caravan Park and Camping Ground Managers	1
Library Assistants	1
Civil Engineering Draftspersons and Technicians	1

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Inspectors and Regulatory Officers	1
Fashion, Industrial and Jewellery Designers	1
Auctioneers, and Stock and Station Agents	1
Nurse Managers	1
Practice Managers	1
Film, Television, Radio and Stage Directors	1
Vehicle Painters	1
Upholsterers	1
Primary Products Inspectors	1
Midwives	1
Architects, Designers, Planners and Surveyors, nfd	1
Natural and Physical Science Professionals, nfd	1
Life Scientists	1
Psychologists	1
University Lecturers and Tutors	1
Precision Metal Trades Workers	1
Massage Therapists	1
Service Station Attendants	1
Automotive and Engineering Trades Workers, nfd	1
Print Finishers and Screen Printers	1
Clothing Trades Workers	1
Drillers, Miners and Shot Firers	1
Road and Rail Drivers, nfd	1
Hospitality Workers, nfd	1
Forestry and Logging Workers	1
Arts Professionals, nfd	1
Performing Arts Technicians	1
Caretakers	1
Agricultural, Forestry and Horticultural Plant Operators	1
Music Professionals	1
Medical Imaging Professionals	1
Conference and Event Organisers	1
Air Transport Professionals	1
Dental Practitioners	1
Authors, and Book and Script Editors	1
Outdoor Adventure Guides	1

In order to determine the number of jobs created from expenditure on the major projects, the total value of the projects was compared to the average value of non residential building approvals in the Bega Valley Shire using building ABS approvals 2015 to 2019. The average value per year of non residential building approvals in the Bega Valley Shire was calculated to be \$18,925,940 or \$189,259,400 over a 10 year period. This value was subtracted from the total value of the listed major

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

projects of \$376,887,063 to give a value of \$187,627,633 over and above the average level of non residential building approvals should all the major projects considered be completed.

To calculate the increase over the normal level of employment from major projects, the ratio of the new works value to the normal value for the usual level of works annually was calculated, giving a result of 49.8%. This percentage was multiplied against the total job figures to determine how many new jobs would be created from the listed major projects above the normal amount of construction related jobs in the Bega Valley Shire.

These new jobs have been displayed by industry and occupation in the tables below.

### Additional new jobs estimated to be added to the usual level of employment by industry from major projects

Industry	Number of jobs (FTE)
<b>Direct jobs</b>	
Construction	484

Industry	Number of jobs (FTE)
<b>Flow on jobs</b>	
Agriculture, Forestry and Fishing	6
Mining	9
Manufacturing	106
Electricity, Gas, Water and Waste Services	9
Construction	192
Wholesale Trade	25
Retail Trade	47
Accommodation and Food Services	23
Transport, Postal and Warehousing	17
Information Media and Telecommunications	7
Financial and Insurance Services	30
Rental, Hiring and Real Estate Services	8
Professional, Scientific and Technical Services	58
Administrative and Support Services	24
Public Administration and Safety	6
Education and Training	20
Health Care and Social Assistance	30
Arts and Recreation Services	8
Other Services	31
<b>Total flow on jobs</b>	<b>659</b>
<b>Total Direct and Flow on jobs:</b>	<b>1,143</b>

Totals may not add due to rounding

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

### Additional jobs estimated to be added to the usual level of employment by occupation from major projects

Occupation	Number of jobs
Carpenters and Joiners	118
Construction Managers	59
Electricians	52
Plumbers	50
Painting Trades Workers	42
Earthmoving Plant Operators	38
Sales Assistants (General)	34
Truck Drivers	29
Food and Drink Factory Workers	24
Building and Plumbing Labourers	24
Gardeners	23
Concreters	21
General Clerks	20
Plasterers	20
Bookkeepers	16
Bank Workers	16
Architectural, Building and Surveying Technicians	15
Handypersons	14
Secretaries	14
Bricklayers and Stonemasons	14
Office Managers	14
Wall and Floor Tilers	14
Retail Managers	13
Metal Fitters and Machinists	12
Fencers	12
Structural Steel and Welding Trades Workers	11
Packers	11
Motor Mechanics	11
Insulation and Home Improvement Installers	10
Commercial Cleaners	9
Accountants	9
Receptionists	8
Contract, Program and Project Administrators	7
Real Estate Sales Agents	7
Paving and Surfacing Labourers	7
Sales Representatives	6
Accounting Clerks	6
Hairdressers	6
Floor Finishers	6
Registered Nurses	6
Machine Operators, nfd	6

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Other Miscellaneous Labourers	5
Keyboard Operators	5
Aged and Disabled Carers	5
Other Specialist Managers	5
Primary School Teachers	5
Chemical, Gas, Petroleum and Power Generation Plant Operators	4
Secondary School Teachers	4
Checkout Operators and Office Cashiers	4
Storepersons	4
Mobile Plant Operators, nfd	4
Forklift Drivers	4
Architects and Landscape Architects	4
Other Clerical and Office Support Workers	4
Other Stationary Plant Operators	4
Civil Engineering Professionals	4
Bar Attendants and Baristas	3
Finance Managers	3
Solicitors	3
Bakers and Pastrycooks	3
Kitchenhands	3
Livestock Farmers	3
Other Hospitality, Retail and Service Managers	3
Production Managers	3
Glaziers	3
Other Mobile Plant Operators	3
Bus and Coach Drivers	3
Crane, Hoist and Lift Operators	3
Other Construction and Mining Labourers	3
Technicians and Trades Workers, nfd	3
Technical Sales Representatives	3
Waiters	3
Management and Organisation Analysts	3
Human Resource Managers	3
Child Carers	3
Airconditioning and Refrigeration Mechanics	3
Garden and Nursery Labourers	3
Pharmacy Sales Assistants	3
Land Economists and Valuers	3
Financial Investment Advisers and Managers	3
Shelf Fillers	3
Cabinetmakers	2
Interior Designers	2
Roof Tilers	2
Science Technicians	2

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Education Aides	2
Environmental Scientists	2
Domestic Cleaners	2
Veterinarians	2
Product Quality Controllers	2
Purchasing and Supply Logistics Clerks	2
Financial Brokers	2
Cooks	2
Nursing Support and Personal Care Workers	2
Delivery Drivers	2
Veterinary Nurses	2
Housekeepers	2
Software and Applications Programmers	2
Cafe Workers	2
Chefs	2
Couriers and Postal Deliverers	2
Panelbeaters	2
Credit and Loans Officers (Aus) / Finance Clerks (NZ)	2
Retail Supervisors	2
Farmers and Farm Managers, nfd	2
ICT Support Technicians	2
Machinery Operators and Drivers, nfd	2
Motor Vehicle and Vehicle Parts Salespersons	2
Bricklayers, and Carpenters and Joiners, nfd	2
Structural Steel Construction Workers	2
Metal Engineering Process Workers	2
Advertising, Public Relations and Sales Managers	2
Paper and Wood Processing Machine Operators	2
Electrical Distribution Trades Workers	2
Freight and Furniture Handlers	2
Cafe and Restaurant Managers	2
Welfare Support Workers	2
Cleaners and Laundry Workers, nfd	2
Fitness Instructors	1
Advertising and Marketing Professionals	1
Human Resource Professionals	1
Transport and Despatch Clerks	1
Conveyancers and Legal Executives	1
Butchers and Smallgoods Makers	1
Supply, Distribution and Procurement Managers	1
Journalists and Other Writers	1
Timber and Wood Process Workers	1
Tourism and Travel Advisers	1
Importers, Exporters and Wholesalers	1

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Electronics Trades Workers	1
Photographers	1
Graphic and Web Designers, and Illustrators	1
Manufacturers	1
Product Assemblers	1
Greenkeepers	1
Ministers of Religion	1
Call or Contact Centre and Customer Service Managers	1
Hotel and Motel Managers	1
Telecommunications Trades Workers	1
Animal Attendants and Trainers	1
Beauty Therapists	1
Information Officers	1
Payroll Clerks	1
General Managers	1
Meat, Poultry and Seafood Process Workers	1
Court and Legal Clerks	1
Multimedia Specialists and Web Developers	1
Car Detailers	1
Fast Food Cooks	1
Food Trades Assistants	1
Ticket Salespersons	1
General Practitioners and Resident Medical Officers	1
Enrolled and Mothercraft Nurses	1
Sports Coaches, Instructors and Officials	1
Surveyors and Spatial Scientists	1
Deck and Fishing Hands	1
Nurserypersons	1
Wood Machinists and Other Wood Trades Workers	1
ICT Managers	1
Chief Executives and Managing Directors	1
School Principals	1
Motor Vehicle Parts and Accessories Fitters	1
Transport Services Managers	1
ICT Business and Systems Analysts	1
Signwriters	1
Private Tutors and Teachers	1
Other Cleaners	1
Other Sales Assistants and Salespersons	1
Other Personal Service Workers	1
Welfare, Recreation and Community Arts Workers	1
Medical Technicians	1
Early Childhood (Pre-primary School) Teachers	1
Livestock Farm Workers	1

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Dental Assistants	1
Marine Transport Professionals	1
Financial Dealers	1
Insurance, Money Market and Statistical Clerks	1
Insurance Agents	1
Automobile Drivers	1
Economists	1
Security Officers and Guards	1
Laundry Workers	1
Special Education Teachers	1
School Teachers, nfd	1
Pharmacists	1
Health and Welfare Services Managers	1
Personal Assistants	1
Licensed Club Managers	1
Models and Sales Demonstrators	1
Other Accommodation and Hospitality Managers	1
Electrical Engineering Draftspersons and Technicians	1
Vehicle Body Builders and Trimmers	1
Ambulance Officers and Paramedics	1
Auditors, Company Secretaries and Corporate Treasurers	1
Funeral Workers	1
Construction, Distribution and Production Managers, nfd	1
Aquaculture Farmers	1
Police	1



## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

### Cruise ship increase job impacts

Eden's port is expected to receive significantly greater numbers of visitors from cruise ships over the next 10 years. It is expected that this increased visitation will bring an additional \$108,914,125 expenditure into the tourism sector over 10 years. This value is based on an average spend for domestic day trip visitors in the Bega Valley Shire of \$143 according to TRA statistics<sup>2</sup> and a total increase in passengers of 650,837 based on calculations on advice from the NSW Port Authority. The impacts on jobs from increased visitor expenditure is displayed in the tables below. For more information on increased visitation from cruise ship passengers see Appendix 5.

The tourism analysis has been undertaken using a percentage concordance allocating from other industry sectors based on WRI modelling of tourism impacts. This is necessary as the tourism sector is not reported as an industry itself in ABS sources.

### Estimated jobs by industry arising from increased cruise ship increases

Industry	Number of jobs (FTE)
<b>Direct jobs</b>	
Retail Trade	316
Accommodation and Food Services	243
Transport, Postal and Warehousing	14
Information Media and Telecommunications	2
Professional, Scientific and Technical Services	2
Education and Training	2
Health Care and Social Assistance	11
Arts and Recreation Services	25
Other Services	27
<b>Total direct jobs</b>	<b>642</b>
<b>Flow on jobs</b>	
Agriculture, Forestry and Fishing	9
Manufacturing	18
Electricity, Gas, Water and Waste Services	6
Construction	10
Wholesale Trade	11
Retail Trade	82
Accommodation and Food Services	14
Transport, Postal and Warehousing	11
Information Media and Telecommunications	7
Financial and Insurance Services	18
Rental, Hiring and Real Estate Services	6
Professional, Scientific and Technical Services	30
Administrative and Support Services	19
Public Administration and Safety	2
Education and Training	11
Health Care and Social Assistance	19
Arts and Recreation Services	8
Other Services	16
<b>Total flow on jobs</b>	<b>294</b>
<b>Total direct and flow on jobs:</b>	<b>936</b>

Totals may not add due to rounding

<sup>2</sup> Tourism Research Australia, Local Government Area Profiles Bega Valley, 2018.

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

### Jobs by occupation estimates arising from increased cruise ship activity

Occupation	Number of jobs (FTE)
Sales Assistants (General)	170
Retail Managers	69
Checkout Operators and Office Cashiers	38
Bar Attendants and Baristas	31
Waiters	26
Kitchenhands	22
Pharmacy Sales Assistants	22
Shelf Fillers	21
Commercial Cleaners	20
Chefs	20
Motor Mechanics	17
Cooks	15
Real Estate Sales Agents	14
Hotel and Motel Managers	13
General Clerks	13
Cafe and Restaurant Managers	12
Truck Drivers	11
Retail Supervisors	11
Receptionists	11
Bookkeepers	11
Fast Food Cooks	10
Motor Vehicle and Vehicle Parts Salespersons	10
Housekeepers	10
Bank Workers	9
Hairdressers	9
Office Managers	8
Greenkeepers	8
Butchers and Smallgoods Makers	8
Cafe Workers	6
Delivery Drivers	6
Registered Nurses	6
Sales Representatives	6
Gardeners	5
Accountants	5
Other Accommodation and Hospitality Managers	5
Aged and Disabled Carers	5
Bakers and Pastrycooks	5
Car Detailers	5
Handypersons	5
Packers	5
Livestock Farmers	5

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Caravan Park and Camping Ground Managers	5
Accounting Clerks	4
Licensed Club Managers	4
Pharmacists	4
Food and Drink Factory Workers	4
Couriers and Postal Deliverers	4
Bus and Coach Drivers	4
Other Miscellaneous Labourers	4
Hospitality Workers, nfd	3
Secretaries	3
Purchasing and Supply Logistics Clerks	3
Storepersons	3
Metal Fitters and Machinists	3
Medical Technicians	3
Fitness Instructors	3
Call or Contact Centre and Customer Service Managers	3
Other Clerical and Office Support Workers	3
Primary School Teachers	3
Child Carers	3
Secondary School Teachers	3
Panelbeaters	3
Carpenters and Joiners	3
Service Station Attendants	3
Garden and Nursery Labourers	2
Keyboard Operators	2
Advertising, Public Relations and Sales Managers	2
Other Hospitality, Retail and Service Managers	2
Sports Coaches, Instructors and Officials	2
Transport and Despatch Clerks	2
Nursing Support and Personal Care Workers	2
Environmental Scientists	2
Animal Attendants and Trainers	2
Chief Executives and Managing Directors	2
Electricians	2
Cleaners and Laundry Workers, nfd	2
Other Specialist Managers	2
Solicitors	2
Security Officers and Guards	2
Models and Sales Demonstrators	2
Ministers of Religion	2
Motor Vehicle Parts and Accessories Fitters	2
Visual Arts and Crafts Professionals	2
Domestic Cleaners	2
Beauty Therapists	2
Architectural, Building and Surveying Technicians	2
General Managers	2

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Other Machine Operators	2
Telecommunications Trades Workers	2
Amusement, Fitness and Sports Centre Managers	2
Journalists and Other Writers	2
Financial Investment Advisers and Managers	2
Education Aides	1
Welfare Support Workers	1
Contract, Program and Project Administrators	1
Finance Managers	1
Street Vendors and Related Salespersons	1
Florists	1
Management and Organisation Analysts	1
Welfare, Recreation and Community Arts Workers	1
Caretakers	1
Financial Brokers	1
Ticket Salespersons	1
Information Officers	1
Arts Professionals, nfd	1
Veterinarians	1
Construction Managers	1
Building and Plumbing Labourers	1
Civil Engineering Professionals	1
Other Sales Assistants and Salespersons	1
Credit and Loans Officers (Aus) / Finance Clerks (NZ)	1
Veterinary Nurses	1
Specialist Managers, nfd	1
Tourism and Travel Advisers	1
Electrical Distribution Trades Workers	1
Authors, and Book and Script Editors	1
Outdoor Adventure Guides	1
Machine Operators, nfd	1
Transport Services Managers	1
Software and Applications Programmers	1
Structural Steel and Welding Trades Workers	1
ICT Support Technicians	1
Forklift Drivers	1
Livestock Farm Workers	1
Wood Machinists and Other Wood Trades Workers	1
General Practitioners and Resident Medical Officers	1
Enrolled and Mothercraft Nurses	1
Conference and Event Organisers	1
Other Personal Service Workers	1
Marine Transport Professionals	1
Human Resource Professionals	1
Music Professionals	1
Other Cleaners	1
Freight and Furniture Handlers	1
Electronics Trades Workers	1

## JOBS & SKILLS BEGA VALLEY – APPENDIX 6: MAJOR PROJECTS AND CRUISE SHIP INCREASE IMPACTS

Automobile Drivers	1
Deck and Fishing Hands	1
Other Stationary Plant Operators	1
Visual Merchandisers	1
Supply, Distribution and Procurement Managers	1
Conveyancers and Legal Executives	1
Other Hospitality Workers	1
Laundry Workers	1
Aquaculture Farmers	1
Funeral Workers	1
Photographers	1
Graphic and Web Designers, and Illustrators	1
Plumbers	1
Earthmoving Plant Operators	1
Advertising and Marketing Professionals	1
Dental Assistants	1
Painting Trades Workers	1
Accommodation and Hospitality Managers, nfd	1
Hotel Service Managers	1
Science Technicians	1
Production Managers	1
Health and Welfare Services Managers	1
Product Quality Controllers	1
Court and Legal Clerks	1
Managers, nfd	1
Multimedia Specialists and Web Developers	1
Ambulance Officers and Paramedics	1
Vehicle Painters	1
Upholsterers	1
Hospitality, Retail and Service Managers, nfd	1
Sportspersons	1
Paper and Wood Processing Machine Operators	1