



Dept of Natural
Resources & Mines

07 MAR 2013

TOOWOOMBA

04 March 2013

Dr Geoff Lundie-Jenkins
Manager - Southern Region
Department of Environment and Heritage Protection
PO Box 318
TOOWOOMBA QLD 4350

Our ref: 42/16677/11

Your ref:

Dear Dr Lundie-Jenkins

**Proposed Wandoan South to Eurombah Transmission Network Project –
Blythdale, Fairview South and Fairview Substations**

Draft Environmental Impact Statement Available for Public Comment

Powerlink Queensland has been requested by Australian Pacific LNG Pty Limited (APLNG) to provide high voltage connections from Powerlink's transmission network to APLNG's future gas processing facilities in the area west of Wandoan. To meet this request, Powerlink is proposing to extend its transmission network in the area via three sections:

- Section 1:
 - Yuleba North Substation Project
 - Wandoan South to Yuleba North Transmission Line Project
- Section 2:
 - Clifford Creek and Dinoun South Substations Project (the subject of this letter)
 - Yuleba North to Clifford Creek and Yuleba North to Dinoun South Transmission Lines Project
- Section 3:
 - Eurombah Substation Project
 - Yuleba North to Eurombah Transmission Line Project

Powerlink divided the project into three sections to ensure landowners and other stakeholders receive information and can provide comment on matters that are relevant to them.

GHD Pty Ltd (GHD), an environmental consultant, has been appointed by Powerlink to undertake the Environmental Impact Assessment (EIA) process for the Clifford Creek and Dinoun South Substations. As part of the EIA process, GHD has prepared a Draft Environmental Impact Statement (EIS) for these substations. This document provides information about aspects of the proposed substations (including environmental, social, cultural and economic matters). The Draft EIS also includes a Draft Environmental Management Plan (EMP) which identifies ways to manage and/or mitigate any potential impacts.

Release



Making a submission

The Draft EIS is now available for public comment and is included on the enclosed CD. Hard copies of the Draft EIS can be viewed at the following libraries from 7 March 2013:

- Maranoa Regional Council library in Roma; and
- Western Downs Regional Council library in Wandoan.

Written submissions on the Draft EIS are invited from landowners, stakeholders and the general public. Submissions must be received by GHD **before 5pm on 9 April 2013.**

Written submissions are to be sent to:

Clifford Creek and Dinoun South Substations Project
Ms Amanda Smedley
GHD Pty Ltd
PO Box 819
Cairns Qld 4870

Fax: (07) 4044 2288

Email: amanda.smedley@ghd.com

A Fact Sheet which provides further details about the Draft EIS and how to make a submission is enclosed. If you have any further questions about the Draft EIS or making a submission, please contact myself on the contact details provided or phone Powerlink on FREECALL 1800 635 369 (during business hours).

Following the submission period, GHD will review and consider the submission received. If appropriate, additional research will be conducted, with the results provided in the Final EIS. GHD will provide submitters with a response to the comments made which are included as part of the Final EIS.

We would also like to advise that Draft EIS documents are currently being prepared for the other projects mentioned in this letter. If you would like further details about the timing of those documents, please visit the Powerlink website (www.powerlink.com.au) – go to 'Projects/Southern/Wandoan South to Eurombah'.

Sincerely
GHD Pty Ltd

sch4p4(6) Personal Information

Amanda Smedley
Environmental Scientist
61 7 4044 2216

Attachment: Fact Sheet – 'How to make a submission'
Attachment: GHD Draft EIS (on CD)

State Significant Biodiversity Values for QBOP
Draft EIS – Clifford Creek and Dinoun South Substations

QBOP Assessment:

A preliminary assessment was carried out to identify State Significant Biodiversity Values (SSBVs) under the Queensland Biodiversity Offset Policy (QBOP) for this project. The assessment was carried out using shapefiles we created from maps provided in the draft EIS report, using the whole of the outline of the substations as the 'impact area/s'.

Clifton Creek and Dinoun South:

There were no potential SSBVs identified for either of the two proposed substations' sites.

It should be noted that there is a small area of low overall AquaScore according to the riverine component of the Great Barrier Reef (GBR) Aquatic Conservation Assessment (ACA) on the Dinoun South substation site. This overall low AquaScore comprise the following high and very high AquaScores: very high for Naturalness Aquatic.

Regional Ecosystems	Clifford Creek	Dinoun South
Remnant Endangered regional ecosystems	Nil	Nil
Remnant Of Concern regional ecosystems	Nil	Nil
High Value Regrowth Endangered regional ecosystems	Nil	Nil
High Value Regrowth Of Concern regional ecosystems	Nil	Nil
Threshold regional ecosystems	Nil	Nil
Critically limited regional ecosystems	Nil	Nil
Remnant Endangered or Of Concern Grassland regional ecosystems	Nil	Nil
Essential Habitat		
Essential habitat	Nil	Nil
Essential regrowth habitat	Nil	Nil
Wetlands		
Wetland (<i>Vegetation Management Act 1999</i>)	Nil	Nil

Significant wetland (<i>Vegetation Management Act 1999</i>)	Nil	Nil
Watercourses		
Watercourses	Nil	One streamorder 1 creek on property barely nr boundary.
Connectivity		
Connectivity	Nil	Nil
Protected Animals		
Protected animals	Nil	Nil
Protected Plants		
Protected plants	Nil	Nil
Notes		
PMAV: Clifford Creek – mostly CatX, Dinoun South – all CatX. ACA: Clifford Creek: Nil, Dinoun South – small area of low AquaScore riv GBR ACA, very high for Naturalness Aquatic. BPA: Nil, Nil. Sat Image: Clifford Creek – largely cleared, Dinoun South – largely cleared		

Assessment completed: 20/03/2013

Assessor: Clare Davies

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Background

This draft EIS covers the planning, construction and operation of the two substations, known as Dinoun South and Clifford Creek, and does not cover the transmission lines between the two substations.

Both substations occupy an area of 3ha and this is the footprint upon which this EIS is based.

EHP State Interest: ERAs

Issue: Section 4.9.2 Potential impacts

The draft EIS indicates that a machinery maintenance and refuelling, and chemical storage are amongst the activities to be conducted at the sub station sites. Both activities are potential ERAs. Both ERAs would have typical emissions and/or potential risks that are associated with the ERA classifications.

Recommendations: The proponent should clearly state whether machinery maintenance and chemical storage would trigger an ERA or whether both ERAs would be below the thresholds.

EHP State Interest: Waste Management and Recycling

Issue: Section 4.9 Waste Management

Wastes generated during construction of the substations includes oils, lubricants, septic waste, waste water, solid waste from packaging etc.

Recommendations: Some of the wastes generated during construction of the sub station are regulated wastes and are subject to the waste tracking regime. They are also prescribed water contaminants. The proponent should include details in the Waste Management Plan that deals with transportation and disposal of such regulated wastes. All regulated waste removed from the site must be removed by a person who holds a current authority to transport such waste.

EHP State Interest: Air, Noise, Hazardous Materials

Issue: Section 4.4.2 Contaminated land

The draft EIS does not go into detail about the practical work that would be undertaken at each sub station. There is potential for spillage of hazardous materials.

Recommendations: The EIS should include environmental management and storage procedures for hazardous materials and containment of the spillages.

Noise: No comments

No sensitive receptors are located within 500m of the proposed substation sites. The nearest residence to the two sub stations range from 2.5 to 4.5 km. Noise at the boundary of the substation fences is reported to be in the order of 55dB(A) and less than 100Hz. However, noise from construction activities is likely to result from the movement of equipment, construction, earthworks and personnel.

EHP State Interest: Total water cycle management

Issue: Section 4.7.3 Potential Impacts

Stormwater runoff from the proposed substations is identified as a potential risk to downstream environments.

Recommendations: The EIS should include details on how the stormwater runoff will be managed to ensure that potentially contaminated stormwater does not impact the downstream environments.

Other issues considered:

The Dinoun south substation is 580m from the nearest water course while as Clifford Creek substation is located 1.3 km south of Clifford Creek, thus substations are unlikely to have any impact on the quality of watercourse

The Queensland Reconstruction Authority flood plain mapping (Queensland Reconstruction Authority, 2011) identifies the substation sites as being above the identified floodplain of the adjacent watercourse. Thus the sites are unlikely to be flooded.

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5th April 2013

Spoke to Jeff Hayter (Ranger, QPWS) via the telephone and he said that their response/comments were Nil.

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Department of
Environment and
Heritage Protection

Your Ref: 42/16677/11

8 April 2013

Ms Amanda Smedley
GHD Pty Ltd
PO Box 819
Cairns Qld 4870

Dear Madam,

**Ministerial Designation of land for Community Infrastructure
Proposed Wandoan South to Eurombah Transmission Network Project -
Clifford Creek and Dinoun South Substations Project – Powerlink Queensland
Draft Environmental Impact Statement**

I refer to your letters of 4 March 2013 requesting comments on the Draft Environmental Impact Statement (EIS) for Powerlink Queensland's Clifford Creek and Dinoun South Substations Project.

The Department of Environmental and Heritage Protection (EHP) has reviewed the Draft Environmental Impact Statement for this project. The Department is generally satisfied that due consideration has been given to the relevant State interests.

Although there are no issues that would preclude the Ministerial Designation process from proceeding for this project, EHP requests that considerations be given to the following matters identified in the relevant sections of the Draft EIS. The comments can be found in Attachment 1: Draft EIS, Clifford Creek and Dinoun South Substations Project: Comments and Recommendations.

Should you require further assistance with response, please contact Clare Davies on 07 4529 1248 or Wes Davidson on 07 4529 1247.

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PO Box 318 TOOWOOMBA
Queensland 4350 Australia
203 Tor St, TOOWOOMBA

Telephone: 07 4529 1248
Facsimile 07 4529 1562

Website www.ehp.qld.gov.au

Yours sincerely,

sch4p4(6) Personal information



Dr Geoff Lundie-Jenkins
Manager, Biodiversity Services
Department of Environment & Heritage Protection

Attachment 1: Draft EIS, Clifford Creek and Dinoun South Substations Project:
Comments and Recommendations.

RTI DL RELEASE - EHP

**Attachment 1: Draft EIS, Clifford Creek and Dinoun South Substations Project:
Comments and Recommendations**

**Review of the Draft Environmental Impact Statement (EIS)
Ministerial Community Infrastructure designation for the
Clifford Creek and Dinoun South Substations Project**

**Review of environmentally relevant activities; air, noise and hazardous
materials; total water cycle management; and waste management and recycling
(Environmental Services) issues**

Background

This draft EIS covers the planning, construction and operation of the two substations, known as Dinoun South and Clifford Creek, and does not cover the transmission lines between the two substations.

Both substations occupy an area of 3ha and this is the footprint upon which this EIS is based.

EHP State Interest: ERAs

Issue: Section 4.9.2 Potential impacts

The draft EIS indicates that a machinery maintenance and refuelling, and chemical storage are amongst the activities to be conducted at the substation sites. Both activities are potential ERAs. Both ERAs would have typical emissions and/or potential risks that are associated with the ERA classifications.

Recommendations: The proponent should clearly state whether machinery maintenance and chemical storage would trigger an ERA or whether both ERAs would be below the thresholds.

EHP State Interest: Waste Management and Recycling

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Issue: Section 4.9 Waste Management

Wastes generated during construction of the substations includes oils, lubricants, septic waste, waste water, solid waste from packaging etc.

Recommendations: Some of the wastes generated during construction of the substation are regulated wastes and are subject to the waste tracking regime. They are also prescribed water contaminants. The proponent should include details in the Waste Management Plan that deals with transportation and disposal of such regulated wastes. All regulated waste removed from the site must be removed by a person who holds a current authority to transport such waste.

EHP State Interest: Air, Noise, Hazardous Materials

Issue: Section 4.4.2 Contaminated land

The draft EIS does not go into detail about the practical work that would be undertaken at each substation. There is potential for spillage of hazardous materials.

Recommendations: The EIS should include environmental management and storage procedures for hazardous materials and containment of the spillages.

Noise: No comments

No sensitive receptors are located within 500m of the proposed substation sites. The nearest residence to the two sub stations range from 2.5 to 4.5 km. Noise at the boundary of the substation fences is reported to be in the order of 55dB(A) and less than 100Hz. However, noise from construction activities is likely to result from the movement of equipment, construction, earthworks and personnel.

EHP State Interest: Total water cycle management

Issue: Section 4.7.3 Potential Impacts

Stormwater runoff from the proposed substations is identified as a potential risk to downstream environments.

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Recommendations: The EIS should include details on how the stormwater runoff will be managed to ensure that potentially contaminated stormwater does not impact the downstream environments.

Other issues considered:

The Dinoun south substation is 580m from the nearest water course while as Clifford Creek substation is located 1.3 km south of Clifford Creek, thus substations are unlikely to have any impact on the quality of watercourse

The Queensland Reconstruction Authority flood plain mapping (Queensland Reconstruction Authority, 2011) identifies the substation sites as being above the identified floodplain of the adjacent watercourse. Thus the sites are unlikely to be flooded.

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Clifford Creek and Dinoun South Substations Project
Draft EIS review

Draft EIS report:

There are no mapped Regional Ecosystems or High Value Regrowth on either Clifford Creek or Dinoun South Substations sites.

The Clifford Creek Substation is located in an area completely cleared of native vegetation and there will likely be no potential impacts on fauna of conservation significance.

Dinoun South Substation site has been previously cleared. There is a block of intact forest 200m north of the site, but development of this site is unlikely to impact this area.

Overall there are nil comments from a Biodiversity perspective (as well as a Biodiversity Offset Policy perspective).

Nil comment.

QBOP assessment:

There were no potential SSBVs identified on/for either of the two proposed substations' sites, including

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11 July 2013

Dr Geoff Lundie-Jenkins
Manager – Southern Region
Department of Environment and Heritage Protection
PO Box 318
Toowoomba QLD 4350

Our ref: 42/16677/09

Your ref:

Dear Dr Lundie-Jenkins

**Proposed Wandoan South to Eurombah Transmission Network Project - Clifford Creek and Dinoun South Substations
Final Environmental Impact Statement**

As you are aware, Powerlink Queensland has been requested by Australian Pacific LNG Pty Limited (APLNG) to provide direct connections into the high voltage transmission network to supply power to APLNG's future gas processing facilities in the area west of Wandoan. To meet this request, Powerlink is proposing to extend its transmission network in the area via three sections:

- Section 1
 - Yuleba North Substation Project
 - Wandoan South to Yuleba North Transmission Line Project
- Section 2
 - Clifford Creek and Dinoun South Substations Project (the subject of this letter)
 - Yuleba North to Clifford Creek and Yuleba North to Dinoun South Transmission Lines Project
- Section 3
 - Eurombah Substation Project
 - Yuleba North to Eurombah Transmission Line Project

Powerlink divided the proposed network extension into three sections to ensure landowners and other stakeholders receive information and can provide comment on matters that are relevant to them.

Our company, GHD Pty Ltd (GHD) has been appointed by Powerlink to undertake the Environmental Impact Assessment (EIA) process for the Clifford Creek and Dinoun South Substations Project.

As part of the EIA for this project, GHD prepared a Draft Environmental Impact Statement (EIS) and Environmental Management Plan which were released for public comment during March 2013. All submissions on the Draft EIS, where applicable to this project, have now been considered.

GHD has now completed the assessment and preparation of the Final EIS for the proposed Clifford Creek and Dinoun South Substations Project.

A copy of the Final EIS is included with this letter. Please refer to Appendix H of the report for a complete list of the submissions received, the responses provided to each submission, and details about any necessary amendments made to the report.

A copy of the Final EIS is also available for viewing from 1 August 2013 **until 30 August 2013** at:

- Powerlink Queensland, 33 Harold Street Virginia (Brisbane) QLD 4014;
- Roma library, 38-44 Hawthorne Street Roma QLD 4455;
- Injune library, Hutton Street Injune QLD 4454;
- Wandoan library, 6 Henderson Road Wandoan QLD 4419; and
- Taroom library, 24 Yaldwyn Street Taroom QLD 4420.

The Final EIS is also available on the GHD and Powerlink websites:

GHD website – <http://www.ghd.com/australia/> (go to Projects/Wandoan South to Eurombah Transmission Network Project/Clifford Creek and Dinoun South Substations).

Powerlink website – www.powerlink.com.au (go to Projects/Southern/Wandoan South to Eurombah Transmission Network Project/Section 2).

If you have any questions about the Final EIS please contact me on the details provided below.

The next step of the project is for Powerlink to apply for Ministerial 'community infrastructure' designation, which is a planning approval process under the *Sustainable Planning Act 2009*. Powerlink will also soon begin the process of land resumption in accordance with the *Acquisition of Land Act 1967*. Detailed information on these phases is provided in the enclosed newsletter.

If you have any further questions about the Powerlink project, please refer them to Mr Michael Brown, Powerlink's Project Manager, on FREECALL 1800 635 369.

Sincerely
GHD Pty Ltd

Amanda Smedley
Environmental Scientist
61 7 4044 2216

Attachment: Draft EIS submission and responses/details
Attachment: Final Environmental Impact Statement

Clifford Creek and Dinoun South Substations Draft EIS Submissions

Agency/Stakeholder	EIS Section	Comments Received	Responses	EIS/EMP Altered	Where addressed in EIS/EMP
Department of Environment and Heritage Protection (EHP)	Environmentally relevant activities (ERAs) s4.9.2	<p>Issue: Section 4.9.2 Potential Impacts</p> <p>The draft EIS indicates that a machinery maintenance and refuelling, and chemical storage are amongst the activities to be conducted at the substation sites. Both activities are potential ERAs. Both ERAs would have typical emissions and/or potential risks that are associated with the ERA classifications.</p> <p>Recommendations:</p> <p>The proponent should clearly state whether machinery maintenance and chemical storage would trigger an ERA or whether both ERAs would be below the thresholds.</p>	<p>Noted: Clarification has been provided in the EIS. Contractors will be undertaking the construction of the substations. Machinery and maintenance in this phase will be undertaken in accordance with the conditions of the ERA's held by the contractor. Post construction the ongoing maintenance and operation of the substations will have emissions/potential risks that are below the thresholds required for ERAs.</p>	yes	EIS s4.9.2, s4.9.3 and Appendix E s5.10.1.4
EHP	Waste Management and Recycling s4.9	<p>Issue: Section 4.9 Waste Management</p> <p>Wastes generated during construction of the substations include oils, lubricants, septic waste, waste water, solid waste from packaging etc.</p> <p>Recommendations:</p> <p>Some of the wastes generated during construction of the substation are regulated wastes and are subject to the waste tracking regime. They are also prescribed water contaminants. The proponent should include details in the Waste Management Plan that deals with transportation and disposal of such regulated wastes. All regulated waste removal from the site must be removed by a person who holds a current authority to transport such waste.</p>	<p>Noted: Regulated wastes are disposed of or recycled off-site in accordance with the legislative requirements for disposal. All regulated waste removal from the sites will be undertaken by appropriately qualified personnel/contractors who hold the relevant authorities to transport and dispose of regulated waste. There will be no septic waste or, waste water from the substation and solid waste from packaging is extremely limited as the substation is constructed using pre-made components that are transported from the place of manufacture and assembled on site.</p>	yes	EIS s4.9.3 and Appendix E s5.10.1.4
EHP	Air, Noise and hazardous materials	<p>Issue: Section 4.4.2 Contaminated Land</p> <p>The draft EIS does not go into detail about the practical work that would be undertaken at each substation. There is potential for spillage of hazardous materials.</p> <p>Recommendations:</p> <p>The EIS should include environmental management and storage procedures for hazardous materials and containment of the spillages.</p>	<p>Noted. The details of the final practical work to be carried out at each substation will be dependent upon the final design and operational parameters of each substation, and the construction methodology that contractors may adopt.</p> <p>The EMP (Appendix E) s5.11 for the project includes the environmental management and storage procedures for hazardous materials and containment of</p>	N/A	Appendix E, s5.11

Agency/Stakeholder	EIS Section	Comments Received	Responses	EIS/ EMP Altered	Where addressed in EIS/EMP
			the spillages.		
EHP	Air, Noise and hazardous materials	<p>Noise: No comments</p> <p>No sensitive receptors are located within 500m of the proposed substation sites. The nearest residence to the two substations range from 2.5 to 4.5 km. Noise at the boundary of the substations fences is reported to be in the order of 55dB(A) and less than 100Hz. However, noise from construction activities is likely to result from the movement of equipment, construction, earthworks and personnel.</p>	No comments/alteration required.	N/A	N/A
EHP	Total Water Cycle Management s4.7.3	<p>Issue: Section 4.7.3 Potential Impacts</p> <p>Stormwater runoff from the proposed substations is identified as a potential risk to downstream environments.</p> <p>Recommendations:</p> <p>The EIS should include details on how the stormwater runoff will be managed to ensure that potentially contaminated stormwater does not impact the downstream environment.</p>	The EMP (Appendix E) s5.7 for the project includes the environmental management requirements to manage off site impacts. The EMP has identified that a Stormwater Management Plan will be prepared as part of the construction phase for the project.	N/A	Appendix E
EHP	Other	<p>The Dinoun South substation is 580m from the nearest water course while as Clifford Creek substation is located 1.3km south of Clifford Creek, thus substation are unlikely to have any impact on the quality of watercourses.</p> <p>The Queensland reconstruction Authority flood plain mapping (Queensland Reconstruction Authority, 2011) identifies the substation sites as being above the identified floodplain of the adjacent watercourse. Thus the sites are unlikely to be flooded.</p>	Noted. No amendment necessary to EIS /EMP	N/A	N/A



Department of
**Environment and
Heritage Protection**

Your Ref: A1695384

30 August 2013

Michael Brown
Project Manager
Powerlink Queensland
PO Box 1193
VIRGINIA QLD 4014
(email: property.designation@powerlink.com.au)

Dear Mr Brown,

**Wandoan South to Eurombah Transmission Network Project -
Clifford Creek and Dinoun South Substations
Notice of proposed Ministerial Designation of
Land for Community Infrastructure**

I refer to your letter of 29 July 2013 requesting submissions detailing our views on the Notice of the proposed Ministerial Designation of Land for Community Infrastructure for the Clifford Creek and Dinoun South Substations Powerlink Project in Queensland.

The Department of Environment and Heritage Protection's (DEHP) sent an email to Amanda Smedley, Environmental Scientist, GHD on 6 August 2013 stating that DEHP had no further comments on the Final Environmental Impact Statement (EIS) for this project.

Since then, it has come to DEHP's attention that the Notice of the proposed project and attached maps describing the area the Minister proposes to designate community infrastructure under the *Sustainable Planning Act 2009* (SPA) Chapter 5, includes additional areas that were not part of the information provided in both the Draft and Final EISs for the project.

The additional areas include two access roads, one for each of the two proposed substations (see Maps attached/enclosed, provided by Powerlink in their submission

Release

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203 Tor St, TOOWOOMBA

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request letter of 29 July 2013). No ecological assessment was provided detailing the potential impacts that may be apparent from the construction of the roads.

Consequently, DEHP has only considered the proposed substation sites and not the proposed access roads in its assessment and comment and does not consider that the additional areas are part of the Ministerial designation due to requirements under SPA Chapter 5 Part 2.

For the proposed roads to be included in a Ministerial Designation for Community Infrastructure, assessments would need to be undertaken including an ecological assessment, public consultation and an assessment by the relevant state agencies would be required. The results of these processes and assessments would be considered by the Minister, prior to approving the designation.

Please contact Wes Davidson on 07 4529 1247 or Clare Davies on 07 4529 1248 to discuss how this matter might be resolved or if further information is available..

Yours sincerely,

sch4p4(6) Personal information

A large rectangular area of the document is redacted with a solid dark grey fill, obscuring the signature and any text that might have been present below the 'Yours sincerely,' line.

Carole Rayner
Acting Manager, State Interest Assessments
Environmental Standards and Compliance
Southern Region
Department of Environment & Heritage Protection (DEHP)
400 George Street, Brisbane



