

# Appendix A

## Stakeholder Correspondence





NSW GOVERNMENT

## Department of Planning

Contact: Ricardo Prieto-Curiel

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Email: ricardo.prieto-

curiel@planning.nsw.gov.au

Mr Graham Dowers  
Business Development Manager  
TRUenergy Tallawarra Pty Ltd  
Level 33, 385 Bourke Street  
Melbourne VICTORIA 3000

Our ref: S07\_00331

Your ref:

Dear Mr Dowers

**Proposed Tallawarra 300-450 MW Open Cycle Gas Power Station (Peaking), Yallah, Wollongong Local Government Area (Major Project Number 07\_0030)**

Pursuant to section 75F(3) of the *Environmental Planning and Assessment Act 1979* (the EP&A Act), you are hereby notified of the Director-General's Environmental Assessment Requirements for the above proposal.

The Director-General's requirements have been prepared based on the information provided to date and input from relevant agencies and Council. Under section 75F(3) of the EP&A Act, the Director-General may alter or supplement these requirements if necessary and in light of any additional information that may be provided prior to the proponent seeking approval for the project.

If your proposal contains any actions that are likely to significantly impact matters of National Environmental Significance, it will require an additional approval under the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). This approval is in addition to any approvals required under NSW legislation. It is your responsibility to contact the Department of Environment and Water Resources in Canberra (6274 1111 or <http://www.environment.gov.au>) to determine if the proposal is likely to significantly impact on matters of National Environmental Significance, and would require an approval under the EPBC Act. The Commonwealth Government has accredited the NSW environmental assessment process for assessing any impacts on matters of National Environmental Significance. As a result, if it is determined that an approval is required under the EPBC Act, please contact me immediately as supplementary Director-General's requirements will need to be issued.

You should ensure that you consult with the Department prior to submission of a draft Environmental Assessment to determine:

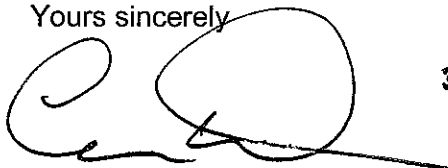
- fees applicable to the application;
- whether the proposal requires an approval under the EPBC Act and any assessment obligations under that Act;
- consultation and public exhibition arrangements that will apply; and
- number and format (hard-copy or CD-ROM) of the Environmental Assessments that will be required.

Once you have lodged the Environmental Assessment, the Department will consult with the relevant authorities to determine the adequacy of the Environmental Assessment. Following this review period the Environmental Assessment will be made publicly available for a minimum period of 30 days.

Bridge St Office 23-33 Bridge St Sydney NSW 2000 GPO Box 39 Sydney NSW 2001  
Telephone (02) 9228 6111 Facsimile (02) 9228 6191 DX 10181 Sydney Stock Exchange  
Website [planning.nsw.gov.au](http://planning.nsw.gov.au)

You should keep the Department's officers for this project, Ricardo Prieto-Curiel ((02) 9228 6112), or Neville Osborne (9228 6337) up to date with the progress of preparation of the Environmental Assessment, and seek clarification of any issues that may be unclear or may arise during this process.

Yours sincerely

A handwritten signature in black ink, appearing to be 'CW', with a large circular flourish above the main signature.

31.10.07

Chris Wilson

**Executive Director**

As delegate for the Director-General

**PROPOSED STAGE B TALLAWARRA GAS TURBINE POWER STATION, YALLAH,  
WOLLONGONG LOCAL GOVERNMENT AREA**

**ENVIRONMENTAL ASSESSMENT REQUIREMENTS UNDER PART 3A OF THE ENVIRONMENTAL  
PLANNING AND ASSESSMENT ACT 1979**

<b>Project</b>	Construction and operation of gas turbine power station consisting of an open cycle gas turbine (OCGT) or a combined cycle gas turbine (CCGT) with a notional capacity of up to 450 MW. Other project components include extension of the Tallawarra Stage A CCGT high voltage switchyard; transmission line connection to the existing 132 kV network; connection to the Eastern Gas Pipeline and associated equipment; distillate storage tank and unloading station; demineralised water tank; an emergency diesel generator; and other ancillary equipment.
<b>Site</b>	Yallah Bay Road, Yallah, NSW 2530 - Lot 109 DP 1050302
<b>Proponent</b>	TRUenergy Tallawarra Pty Ltd
<b>Date of Issue</b>	16 October 2007
<b>Date of Expiration</b>	16 October 2009
<b>General Requirements</b>	<p>The Environmental Assessment (EA) must be prepared to a high technical and scientific standard and must include:</p> <ul style="list-style-type: none"> <li>• an executive summary;</li> <li>• consideration of any relevant statutory provisions, environmental planning instruments, strategies and guidelines;</li> <li>• a detailed description of the proposal, including construction, operation, and staging. All infrastructure parts of the proposal must be clearly identified and described in terms of location, construction/operation, size and scale. Heights (AHD) and coordinates must be provided for elevated structures. Linkages and operational relationships between the proposed plant and the Tallawarra Stage A CCGT, currently under construction, must be detailed in the EA;</li> <li>• an assessment of the environmental impacts of the project, with particular focus on the key assessment requirements specified below. Future landuses in the Tallawarra Lands must be considered in the assessment of impacts. Suitable buffer zones to minimise any potential land use conflict and environmental impacts must be identified in the EA;</li> <li>• justification for undertaking the project with consideration of the benefits and impacts of the proposal;</li> <li>• a draft Statement of Commitments and detailed measures for environmental mitigation, management and monitoring for the project; and</li> <li>• certification by the author of the EA that the information contained in the Assessment is neither false nor misleading.</li> </ul>
<b>Key Assessment Requirements</b>	<p>The EA must include assessment of the following key issues:</p> <ul style="list-style-type: none"> <li>• <b>Strategic Justification</b> - the EA must include a strategic assessment of the need, scale, scope and location for the project in relation to predicted electricity demand, predicted transmission constraints, and the strategic direction of the region and the State in relation to electricity supply and demand, and electricity generation technologies. The EA must also include an analysis of the suitability of the proposed site with respect to potential land use conflicts with existing and future surrounding land uses associated with the Tallawarra Lands (Masterplan and rezoning).</li> <li>• <b>Greenhouse Gas Generation</b> – the EA must include a comprehensive greenhouse gas assessment and report on predicted greenhouse gas emissions (tCO<sub>2</sub>e) including emissions on: a tonnes per unit of production (MWh) basis; a total annual emissions basis; project lifetime basis; a fuel basis (natural gas and distillate). The assessment must include direct emissions, indirect emissions and any significant upstream/downstream emissions. The emissions must be estimated using appropriate methodology as per DoP's <i>Draft Guidelines: Energy and Greenhouse in EIA</i> (2002) and the AGO's <i>Factors and Methods Workbook</i> (2006). Annual emissions must be compared against: 'best practice' emission for peak electricity generation; total annual NSW emissions; emissions from a coal fired facility producing the equivalent amount of electricity. An evaluation of the feasibility of additional measures to reduce greenhouse gas emissions, including offsets must be included in the EA.</li> </ul>

**Air Quality Impacts** – The EA must include a comprehensive air quality impact assessment developed in consultation with the DECC and prepared in accordance with the *Approved Methods for the Modelling and Assessment of Air Pollutants in NSW*. The assessment must demonstrate that:

- emissions of all potential air pollutants will cause no adverse impact on human health or the environment; and
- the proposal is either NO<sub>x</sub> neutral or incorporates best available control technology (BACT) to reduce NO<sub>x</sub> emissions (eg. by providing off-site NO<sub>x</sub> emissions offsets or by installing BACT able to achieve a NO<sub>x</sub> emission concentration of less than 10 mg/m<sup>3</sup> as a three hour rolling average).

All potential air emissions from the proposal, for both distillate and gas fuel and for all operating scenarios (including routine operations, start up and shut down, as well as high and low load) must be fully characterised, and any local and regional air quality impacts must be fully assessed, including impacts on known and likely/proposed landuses. Cumulative air quality impacts must be assessed, including existing and proposed developments, such as the adjacent CCGT plant, and other approved/proposed developments in the region, such as those in the Port Kembla steelworks. Individual impacts from both CCGT and Stage B operations must also be documented and clearly differentiated in the assessment. The assessment must document the percentage of time and the criteria for which distillate and other fuel will be used, the characteristics of pollutant emissions associated with these fuels and the waste gas temperatures characteristic of the types of proposed power stations. The EA must also detail the anticipated operating times or periods for the proposed power stations. The EA must include detailed photochemistry modelling (or equivalent) taking into account those days which characterise the dominant conditions conducive of photochemical smog formation in the Illawarra air shed, and an assessment of the duration, size and extent of ground level and regional NO<sub>x</sub> and ozone exposure. The EA must include a load calculation methodology for NO<sub>x</sub> which indicates how annual NO<sub>x</sub> will be calculated with consideration of the range of operating conditions and fuel types.

- **Noise Impacts** – the EA must include a noise impact assessment conducted in accordance with *NSW Industrial Noise Policy* (EPA, 2000) and other relevant guidelines required by the DECC. The assessment must include consideration of the noise impacts of the project and adjacent CCGT plant both cumulatively and individually, consider all project stages and operations, and consider existing and future land uses under the Tallawarra Lands proposal. To assist in assessing any potential impacts on any nearby sensitive receivers, the assessment must determine, based on site measurements, the percentage of temperature inversions, or other meteorological conditions characteristic of the locality that may exacerbate impacts. The EA must clearly outline the noise mitigation, monitoring and management measures proposed to apply to the project, and include an assessment of the feasibility, effectiveness and reliability of proposed measures and any residual impacts after these measures have been implemented.
- **Water Quality and matters related to Lake Illawarra** – the EA must include an assessment of potential impacts of the project (such as those resulting from any lake water extraction and release of cooling water) on water quality, aquatic ecology, amenity and fisheries in Lake Illawarra and Yallah Creek. For any cooling water discharges, the EA must specify quality, quantity and frequency of discharges under all operating scenarios, undertake modelling and impact assessment (including cumulative impacts with any Stage A discharges) of discharges and describe measures to minimise impacts and maintain the Lake's water quality objectives. The EA must detail safeguards to manage identified water quality related-impacts for all project stages and aspects, and outline monitoring requirements during and after construction. The assessment(s) must be prepared in consideration of and consistency with the *Illawarra Regional Strategy* (DoP, January 2007), the *Lake Illawarra Estuary Management Study and Strategic Plan* (Lake Illawarra Authority, March 2006), ANZECC (2000) *Water Quality Guidelines* and the *NSW Coastal Policy 1997*. The project should be developed to ensure that flood levels are not increased and the potential for flood damage to infrastructure is minimised. Impacts of the project on foreshore public access must be covered in the EA.
- **Hazards and Risk Impacts** – the EA must include an assessment of hazards and risks from the project in accordance with the Department's *Multi-level Risk Assessment* guidelines and *Hazardous Industry Planning Advisory Paper No. 6: Guidelines for Hazard Analysis*. The assessment should cover both risks from the

	<p>current project and the cumulative risks, including the Tallawarra Stage A Power Station. The assessment should include, but not necessarily be limited to, hazards and risks associated with dangerous goods storage, power station operation and gas supply, and an assessment of their potential off-site impacts. In terms of aviation hazards, the EA must include a plume rise impact assessment in accordance with the CASA's Guidelines for Conducting Plume Rise Assessments (2004).</p> <ul style="list-style-type: none"> <li>• <b>General Environmental Risk Analysis</b> – notwithstanding the above key assessment requirements, the EA must include an environmental risk analysis to identify potential environmental impacts associated with the project (construction and operation), proposed mitigation measures and potentially significant residual environmental impacts after the application of proposed mitigation measures. Where additional key environmental impacts are identified through this environmental risk analysis, an appropriately detailed impact assessment of these additional key environmental impacts must be included in the EA.</li> </ul>
<b>Consultation Requirements</b>	<p>You must undertake an appropriate and justified level of consultation with the following parties during the preparation of the EA:</p> <ul style="list-style-type: none"> <li>• NSW Department of Environment and Climate Change;</li> <li>• NSW Department of Water and Energy;</li> <li>• Lake Illawarra Authority</li> <li>• Commonwealth Civil Aviation Safety Authority and Airservices Australia;</li> <li>• Wollongong City Council;</li> <li>• Shellharbour Council;</li> <li>• NSW Department of Primary Industries; and</li> <li>• the local community.</li> </ul> <p>The EA must clearly indicate issues raised by stakeholders during consultation, and how those matters have been addressed in the EA.</p>
<b>Deemed refusal period</b>	<p>Under clause 8E(2) of the <i>Environmental Planning and Assessment Regulation 2000</i>, the applicable deemed refusal period is 60 days from the end of the proponent's environmental assessment period for the project.</p>



**Record of Minister's opinion for the purposes of Clause 6(1) of the State Environmental Planning Policy (Major Projects) 2005**

I, the Director-General of the Department of Planning, as delegate of the Minister for Planning under delegation executed on 26 February 2007, have formed the opinion that the development described in the Schedule below, is development of a kind that is described in Schedule 1 of the State Environmental Planning Policy (Major Projects) 2005 – namely Clause 24 “Development for the purpose of a facility for the generation of electricity or heat or their co-generation (using any energy source, including gas, coal, bio-fuel, distillate and waste and hydro, wave, solar or wind power), being development that has a capital investment value of more than \$30 million” - and is thus declared to be a project to which Part 3A of the *Environmental Planning and Assessment Act 1979* applies for the purpose of section 75B of that Act.

**Schedule**

A proposal for the construction and operation of a gas turbine power station consisting of an Open Cycle Gas Turbine or a Combined Cycle Gas Turbine adjacent to the Tallawarra Gas Power Station (under construction), Yallah, and associated infrastructure (the Stage B Tallawarra Gas Turbine Power Station), generally as described in TruEnergy's letter to the Department dated 11 September 2007 and the Preliminary Environmental Assessment titled *Tallawarra Stage B - Power Station Project Preliminary Environmental Assessment* and dated 6 September 2007.

*SHaddad*

**Sam Haddad  
Director-General**

Date: 15/9/2007.





NSW GOVERNMENT  
**Department of Planning**

Contact: Scott Jeffries  
Phone: (02) 9228 6426  
Fax: (02) 9228 6366  
Email: [scott.jeffries@planning.nsw.gov.au](mailto:scott.jeffries@planning.nsw.gov.au)

Mr Graham Dowers  
Business Development Manager  
TRUenergy Tallawarra Pty Ltd  
Level 33, 385 Bourke Street  
MELBOURNE VIC 3000

Our ref: 07\_0124

Your ref:

Dear Mr Dowers

**Critical Infrastructure Declaration – Implications for Tallawarra Stage B Gas-Fired Power Station (07\_0124)**

Please be advised that on 26 February 2008, the Minister for Planning, the Hon Frank Sartor MP, declared certain power generating facilities to be 'critical infrastructure projects'.

The Minister's declaration specifically relates to development for the purpose of a facility for the generation of electricity, being development that:

- a) has capacity to generate at least 250 megawatts, and
- b) is the subject of an application lodged pursuant to section 75E or section 75M of the *Environmental Planning and Assessment Act 1979* prior to 1 January 2013.

The Department has identified that the declaration is likely to affect your current application under Part 3A of the *Environmental Planning and Assessment Act 1979*. The Department therefore seeks a meeting with you to discuss the implications of the Minister's declaration on your application.

Please contact the undersigned on (02) 9228 6426 or [scott.jeffries@planning.nsw.gov.au](mailto:scott.jeffries@planning.nsw.gov.au) to arrange such a meeting or if you wish to discuss or clarify this matter further in the interim.

Yours sincerely

  
Scott Jeffries  
Director

Major Infrastructure Assessments

26/02/08

Issue 04, April 2007

## TRUenergy Tallawarra Lands community update

Welcome to the fourth in a series of community updates to keep you informed of the planning process for the TRUenergy Tallawarra power station and surrounding lands.

Planning for the Tallawarra Lands site is progressing well. Recently, Council adopted the Local Environmental Study and started wrapping up the Local Environmental Plan, in readiness for public exhibition and Council review. Environmental Plans are compulsory for developments the size of Tallawarra Lands and are important as they outline the approach that we will take to protect important public and environmental features of the site.

Details from both the Local Environmental Study and Local Environmental Plan will be used to guide the development of our Tallawarra Lands Masterplan. This Masterplan will contain detailed plans and drawings on how we plan to redevelop the Tallawarra lands site in an appropriate, sustainable way. You are invited to comment on a draft of this Masterplan when it is released for public review.

We are committed to working with the local community to progress planning for the Tallawarra Lands site and thank the many of you that have already actively contributed to the planning for the site.

Anthony Savenkov  
Project Manager  
TRUenergy Tallawarra Lands



*Some of the results of the Tallawarra Clean Up Australia Day event hosted by TRUenergy.*

### Tallawarra power station update

Construction of TRUenergy's Tallawarra power station started in late 2006 and is proceeding to plan. TRUenergy Tallawarra power station will be a highly efficient combined cycle gas turbine that will generate 400 megawatts of electricity, enough to power 200,000 homes. At this stage, the power station should be ready for testing early in 2008.

There are over 130 people working on the site. Health and safety is a very important priority for TRUenergy. Since construction started, no reported lost-time injuries or environmental incidents have occurred.

### Further developments announced

With demand for energy rising across NSW, TRUenergy has applied to the Department of Planning for a development consent to add further electricity generation capacity to its existing Tallawarra power station project. This new plant will be a gas-fired peak generation plant, to be known as Tallawarra Stage B.

Tallawarra Stage B should only operate for short periods of the year, as backup for other power stations that have shut down for maintenance or on very hot or very cold days when demand for energy is extreme.

All planning for Tallawarra Stage B will comply with government legislation. Tallawarra Stage B will create more jobs for the Illawarra, making our region a critical energy producing hub within NSW. Further information on Tallawarra Stage B will be included in later community updates.

### Contact Us

If you have any queries regarding the Tallawarra Lands project please contact Brendan Blakeley at Elton Consulting on Tel. 02 9387 2600 or via email: [brendan@elton.com.au](mailto:brendan@elton.com.au).

More information about the project is available at: <http://www.truenergy.com.au/Production/Tallawarra/Index.html>