

Environmental Assessment Requirements

Section 5.16 of the *Environmental Planning and Assessment Act 1979*

Application Number	SSI 9234
Proposal Name	Bayswater Power Station Turbine Efficiency Upgrade Project
Location	Bayswater Power Station on the New England Highway within the Muswellbrook Local Government Area (LGA)
Applicant	AGL Macquarie Limited
Date of Issue	4 May 2018
General Requirements	<p>The Environmental Impact Statement (EIS) for the project must comply with the requirements in Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i> (EP&A Regulation).</p> <p>In particular, the EIS must include, but not necessarily be limited to, the following:</p> <ul style="list-style-type: none"> • an executive summary; • a full description of the project, including all components, materials activities and processes required to construct and operate the proposed upgrade, including any ancillary development or changes to the existing operations at the Bayswater Power Station; • a summary of the strategic context for the project with regard to its critical significance for NSW and relevant State and Commonwealth Government policy; • an analysis of feasible alternatives to the project (and its key components), including the consequences of not carrying out the project; • the likely interactions between the project and any other existing, approved or proposed development on the site or in the vicinity of the site; • statutory context for the project, including: <ul style="list-style-type: none"> - how the project meets the provisions and objectives of the EP&A Act and EP&A Regulation; - consideration of the project against all relevant environmental planning instruments; - any approvals that must be obtained before the proposed project can commence; and - the likely interactions between the existing development consents and other environmental regulatory instruments for the Bayswater Power Station; • an assessment of the likely impacts of the project on the biophysical and socio-economic environment, focusing on the specific issues identified below, including: <ul style="list-style-type: none"> - a description of the existing environment likely to be affected by the project; - an assessment of the potential impacts of the project, including any cumulative impacts associated with existing, approved and proposed developments in the region; and - a description of how the project has been designed to avoid and minimise impacts; • a consolidated summary of all the proposed environmental management and monitoring measures, identifying all the commitments in the EIS, and how these measures would be

	<p>integrated with the existing environmental management, monitoring and reporting regime for the Bayswater Power Station;</p> <ul style="list-style-type: none"> • an evaluation of the project having regard to: <ul style="list-style-type: none"> – relevant matters for consideration under the EP&A Act including ecologically sustainable development; – the strategic need for the project having regard to energy security and reliability in NSW and the broader National Electricity Market; and – the biophysical, economic and social costs and benefits of the project; • relevant project plans, maps, and diagrams in an appropriate electronic format. <p>While not exhaustive, Attachment 1 contains a list of some of the environmental planning instruments, guidelines, policies, and plans that may be relevant to the assessment of this project.</p>
Key issues	<p>The level of assessment of likely impacts should be commensurate with the significance or degree or extent of impact within the context of the proposed location and surrounding environment, and having regard to applicable NSW Government policies and guidelines.</p> <p>In particular, the EIS must address the following matters:</p> <ul style="list-style-type: none"> • Air Quality – including an assessment of any potential changes to the air emissions (including greenhouse gas emissions) at the Bayswater Power Station as a result of the construction and operation of the project; • Noise and Vibration - including an assessment of any potential changes to the noise and vibration impacts of the Bayswater Power Station during the construction and operation of the project; • Traffic and Transport – including <ul style="list-style-type: none"> - details of the number, frequency and type of construction related vehicles, key transport routes, and proposed site access and parking arrangements; - an assessment of the likely traffic and transport impacts during the construction of the project on the capacity, condition, safety and efficiency of the road network, including key intersections; and - a description of the measures that would be implemented to manage and mitigate any impacts, including any proposed road or intersection upgrades developed in consultation with the relevant road authorities (if required); • Land Use Safety – including a preliminary risk screening completed in accordance with <i>Hazardous and Offensive Development Application Guidelines - Applying SEPP 33</i>. Should the screening indicate that the project is "potentially hazardous", a Preliminary Hazard Analysis (PHA) must be prepared in accordance with <i>Hazardous Industry Planning Advisory Paper No. 6 - Guidelines for Hazard Analysis</i>; • Waste – including identification, quantification and classification of the likely waste stream to be generated during construction and operation of the project in accordance with the EPA <i>Waste Classification Guidelines</i>, and a description of the measures to be implemented to manage, reuse, recycle and safely dispose of waste generated by the project; • Water – including an assessment of any potential changes to the existing water supply arrangements for the Bayswater Power Station as a result of the construction and operation of the project, including any associated licensing requirements; and

	<ul style="list-style-type: none"> • Social and Economic – including an assessment of the likely social and economic impacts and benefits of the project for the Muswellbrook LGA (including consideration of any increase in demand for local infrastructure and services), the Hunter Region and the State as a whole.
Consultation	<p>During the preparation of the EIS, you should consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners.</p> <p>The EIS must describe the consultation process and the issues raised, and identify how these issues have been considered and addressed.</p>
Further consultation after 2 years	<p>If you do not lodge the EIS for the project within 2 years of the issue date of these assessment requirements, you must consult further with the Secretary in relation to the preparation of the EIS.</p>

ATTACHMENT 1

Environmental Planning Instruments, Policies, Guidelines & Plans

Air Quality	Protection of the Environment Operations (POEO) Clean Air Regulations 2010 Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA)
Greenhouse Gas	National Greenhouse Accounts (NGA) Factors (DoEE) AGO Factors and Methods Workbook (AGO) NSW Climate Change Policy Framework
Noise	NSW Noise Policy for Industry (EPA) Interim Construction Noise Guideline (EPA) NSW Road Noise Policy (EPA)
Transport	Guide to Traffic Generating Developments (RTA) Road Design Guide (RMS) & relevant Austroads Standards Austroads Guide to Traffic Management Part 12: Traffic Impacts of Development
Hazards	State Environmental Planning Policy No. 33 – Hazardous and Offensive Development Hazardous and Offensive Development Application Guidelines – Applying SEPP 33 Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis
Waste	Waste Classification Guidelines (EPA)
Water	National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ)
Environmental Planning Instruments	State Environmental Planning Policy (State and Regional Development) 2011 State Environmental Planning Policy (Infrastructure) 2007 Muswellbrook Local Environmental Plan 2009