

**Submission
No 26**

COGENERATION AND TRIGENERATION IN NEW SOUTH WALES

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INQUIRY INTO COGENERATION & TRIGENERATION IN NSW

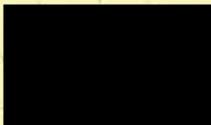
PROJECT: COGENERATION PLANT AT NORTH SYDNEY OLYMPIC POOL

PROJECT DETAILS: A 100kW cogeneration plant is being installed at the North Sydney Council's Olympic Pool by Urban Energy. The plant, which will be powered by natural gas, will reduce CO2 emissions by 367 tonnes per annum and contribute to achieving Council's sustainability targets.

FINANCIAL: The plant will produce more than 450,000kWh of electricity per annum, saving \$58,000 on the Pool's power bill. The project is economically viable as it will pay itself back in less than 8 years time in view of the increasing electricity prices in recent years.

OUR EXPERIENCE: I have been managing the project from project inception stage to the current installation phase over a number of years. In general I found some issues from the Electricity provider (Ausgrid) in the following respects:

1. The electricity provider did not allow any export of surplus electricity to the grid to offset Council's consumption at other big sites eg Council Chambers and Stanton Library
2. The electricity provider is requesting an unnecessary Service Protection device on the existing main switchboard that has resulted and caused some delay to the project, and increased cost
3. It would appear that there is some issues with the electricity provider also being the approving authority for cogeneration in NSW



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