

RELEVANT INFORMATION FOR COUNCIL

FILE: S116501.004 **DATE:** 23 June 2016
TO: Lord Mayor and Councillors
FROM: Kim Woodbury, Chief Operating Officer
THROUGH: Monica Barone, Chief Executive Officer
SUBJECT: Information Relevant To Item 6.10 – Tender - Ian Thorpe Aquatic Centre Cogeneration Project – At Council – 27 June 2016

That the Lord Mayor and Councillors note the information contained in this memo.

Background

The following information is provided in response to questions from Councillors regarding the Ian Thorpe Aquatic Centre Cogeneration Project.

Emissions Reduction

In 2015, approximately 2200 tonnes of carbon emissions were associated with the electricity and gas consumed at the Ian Thorpe Aquatic Centre to provide heating, lighting and power. Had the proposed cogeneration unit been in operation that year, then the emissions associated with providing the same energy services would have been around 1700 tonnes.

It is estimated that project will reduce emissions at the aquatic centre by over 500 tonnes of CO₂ per year. The difference, 500 tonnes of carbon, represents 1.0 % of the carbon emissions from the City of Sydney's operations in the 2006 baseline year.

Low emission pool heating and electricity in other NSW Local Government Areas

As previously advised, trigeneration and cogeneration have been demonstrated to be an effective method of providing low emission pool heating and electricity to aquatic centres located in other NSW LGAs, including North Sydney, Willoughby, Hornsby and Wagga Wagga.

Each of the LGA aquatic centres listed above utilises cogeneration units. An example of a trigeneration installation is the Annette Kellerman Aquatic Centre at Marrickville.

Kim Woodbury, Chief Operating Officer

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approved

P. M. Barone

Monica Barone, Chief Executive Officer