



Efficient Living Pty Ltd
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13/13 Lagoon St
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To whom it may concern,

I, Tracey Cools have been engaged as the BASIX consultant on the proposed residential tower to be built at 330 Church Street, Parramatta.

Our client, Meriton apartments engaged us to review the impact of the proposed shading structure reduction prior to going ahead with the design modification.

Thermal comfort modelling software gives an energy load to heat a unit during winter months and a separate energy load to cool a unit in summer. Sydney's greater area is generally considered a heating climate. The thermal comfort simulation results on this project generally have twice the required energy to heat the units than the summer cooling loads. A contributing factor to this result is the reduced solar heat gain co-efficient from the grey tint glazing.

The shading reduction in this case actually generates a year round energy reduction under the thermal simulation protocol and the building will still pass the BASIX summer cooling caps.

An update BASIX will need to be issued once final plans are received because the impact on thermal comfort is greater than the allowable variance but we do not anticipate any compliance challenges.

Kind Regards

Tracey Cools

Managing Director

Efficient living