



11 December 2018

Mr Jason Lu  
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Endeavour Energy

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Dear Mr Lu,

**Re: Forward notification of power requirement for the new Sydney Metro - Western Sydney Airport Project**

The NSW Government's Sydney Metro authority has been tasked with developing and delivering metro railways and managing their operations. Sydney Metro is owned by the NSW Government and is part of the NSW Government's transport cluster, operating as a transport delivery agency for Transport for NSW similar to Sydney Trains.

The Australian and NSW Governments have jointly committed to deliver the first stage of the Sydney Metro – Western Sydney Airport Project from St Marys to Badgerys Creek Aerotropolis via Western Sydney Airport, with a joint objective of having rail connected to the Western Sydney Airport in time for its opening in 2026. Work will commence immediately on a comprehensive design and investment business case for Stage 1 of the works, as part of an integrated planning and city-shaping approach. (Refer to Figure 1 below).

Sydney Metro preliminary estimates of bulk power requirements are 40MVA for initial operations in 2026 and final 80MVA for ultimate operation of Stage 1 of the project. Note that these estimates are preliminary only and will be further refined during the next stage of design. Additional power requirements for the subsequent stages of the Sydney Metro – Western Sydney Airport Project should also be contemplated. The ultimate load for the complete Sydney Metro – Western Sydney Airport Project is estimated to be 160MVA.

There will also be a need to supply tunnel boring machines during the construction phase. Preliminary estimates of this load will be provided at a later date.

The Western Sydney Airport Project will submit appropriate Applications for Load, as the project progresses, but considered it appropriate to provide forward notification of the above requirement.

We would be happy to provide any further details upon request.

Yours sincerely

**Rob Smith**  
**Director – Engineering and Design**  
**Sydney Metro Western Sydney Airport**

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**Sydney Metro**

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Figure 1: Sydney Metro Western Sydney Airport – Stage 1 Project and general location

