



13th July 2015

Mr Neville Osborne
NSW Department of Planning
Sydney NSW 2000

Reference A: MP 10_0121, Capital Solar Farm

Addendum to Modification 2 – Request for inclusion of string inverters

Dear Mr Osborne,

Project Background

Capital Solar Farm is a proposed fixed array photovoltaic solar farm development located north of Bungendore, NSW. Capital Solar Farm Pty Ltd (the Proponent) received Project Approval from the NSW Planning and Assessment Commission for the construction and operation of Capital Solar Farm on 21 December 2011. Approval was granted for a 50 MW solar farm which included a series of central inverters and cabling between the PV array and central inverters.

The Proponent now seeks an amendment to the Project Approval such that all references to central inverters are amended to read 'central and / or string inverters'.

Justification

It has been intended to utilize central inverters at this Project. If this occurs, approximately 25-50 central inverters will be deployed. These would most likely be deployed inside shipping containers. Some recent financing developments mean that the Project may achieve a materially lower levelised cost of energy by installing string inverters instead of central inverters. The market dynamics behind this design decision are volatile and as such it would not be possible to confirm which technology is optimal for the Project at this stage.

Should string inverters create the optimal economic outcome for the project, it is likely that up to approximately 3,500 string inverters would be installed. Alternatively, it is possible that a mix of string and central inverters will provide the optimal design, in which case the number of string inverters would be lower than 3,500.

Each string inverter is a relatively small box that is mounted onto the solar PV mounting frame, as can be seen in Figure 1.

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Figure 1. String Inverter mounted to a PV array frame.

There will be no change to the very low noise emissions from the solar farm.

The construction of circa 50MW of solar PV at the Capital Solar Farm site will increase the utility scale solar farm deployment in NSW by approximately 24%. In so doing, the Proponent will also be assisting the NSW Government to meet the objectives of the NSW Renewable Energy Action Plan, 2013 and the NSW 2021 plan of reaching a renewable energy target of 20% by 2020. The inclusion of string inverters will allow the Proponent to identify the lowest cost means to construct and operate the Project.

Landowner Consent

The Proponent has consulted with the landowner regarding this request. Please refer to the letter at Attachment 1.



Political Donations Statement

A political donations statement was submitted on 19 June 2015.

Regards,



David Griffin
General Manager – Development

Attachment: 1. Land Owner Letter of Consent

Currandooley Rd
Bungendore, NSW 2622

13th July 2015

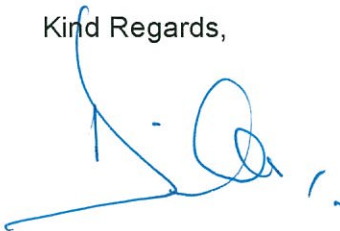
Mr Neville Osborne
Department of Planning & Environment
23-33 Bridge Street
Sydney, NSW 2000

Application MP 10_0121 Capital Solar Farm - Modification 2 (Extension of Project Approval)

Dear Mr Osborne,

I am the owner of the land upon which all the solar arrays are approved to be placed for the proposed Capital Solar Farm near Bungendore. I support the Proponent's Modification 2 application to amend the Project Approval to allow the use of central and / or string inverters.

Kind Regards,

A handwritten signature in blue ink, appearing to read 'Dominic Osborne', with a stylized flourish at the end.

Dominic Osborne