

Sarah Hillis

From: Mike Whitbread <Mike.Whitbread@res-group.com>
Sent: Wednesday, 28 February 2018 5:58 PM
To: Dissegna,Kellie
Cc: Bridey Hugo (Bridey.Hugo@Narrandera.nsw.gov.au)
Subject: Avonlie Solar Farm Community Benefit Payment

Hi Kellie,

I hope you're well.

As part of our commitment to support communities hosting our projects, RES Australia would like to propose a \$250,000 community benefit payment as part of the Avonlie Solar Farm. This one-off payment would be made at the commencement of construction of the solar farm and could be used to support either a single project or a number of smaller projects within Narrandera Shire. RES is eager to support local initiatives and help fund projects within the area that would provide long-term benefits to the community, ideally supporting social and environmental initiatives.

Please note, the community benefit payment is in addition to the construction benefits this project would bring in the form of employment and investment to the region.

An Economic Benefits Assessment is currently being undertaken by Essential Economics. This should be available in the next couple of weeks. I'll provide a copy when complete.

If you would like to discuss further, please let me know.

Kind regards,

Mike

Mike Whitbread
Project Development Manager

M +61(0) 431 572 730

mike.whitbread@res-group.com | www.res-group.com



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Office Address: Suite 4 Level 1, 760 Pacific Highway, Chatswood, NSW 2067, Australia

Sarah Hillis

From: Semmler, Mandy <Mandy.Semmler@Narrandera.nsw.gov.au>
Sent: Thursday, 14 December 2017 12:48 PM
To: Sarah Hillis
Subject: GIPA 17-10
Attachments: 201712141244006365.pdf

Sarah

Please see attached response letter.

Original letter will be posted in daily mail.

Regards

Mandy Semmler
Customer Service Officer



PH: (02) 6959 5510
Fax: (02) 6959 1884
Email: mandy.semmler@narrandera.nsw.gov.au
Website: www.narrandera.nsw.gov.au

The opinions expressed in this message are the personal views of the sender and do not necessarily represent the corporate opinions or policies of Narrandera Shire Council.

-----Original Message-----

From: it@narrandera.nsw.gov.au [mailto:it@narrandera.nsw.gov.au]
Sent: Thursday, 14 December 2017 12:44 PM
To: Semmler, Mandy
Subject: Doc 39677 ESATransFormer: Scanned File Attached

Please find the attached file scanned from ESATransformer.



Our ref: MH/mvs – GIPA-17-10

14 December 2017

Ms Sarah Hillis
NGH Environmental
PO Box 5464
WAGGA WAGGA NSW 2650

Dear Ms Hills

RE: Informal Access Application – GIPA Act, 2009

Thank you for your application received 11 December 2017.

In your request you have sought land ownership and development history for a schedule of lots with Narrandera Shire.

I reply to your request as follows:-

Section 53 of the GIPA Act deals with information held by an agency.

- **Land Ownership:-** You have sought the basis of tenure (private freehold, leasehold) for each lot in the schedule. Councils' property records do not include details of tenure so such information is not available from Council. This information may be best accessed through the Land Titles System.
- **Development History:-** I advise that Council staff have carried out reasonable searches of Councils electronic document system and Development Application register where no records of relevance were located.

You are entitled to refer any concerns in this matter to the Office of Information and Privacy Commissioner where contact details and fact sheet information can be found on the following website www.ipc.nsw.gov.au.

If you have any further enquiries regarding this matter, please contact Martin Hiscox – Deputy General Manager Corporate and Community on telephone 6959 5510, fax 6959 1884 or email council@narrandera.nsw.gov.au.

Yours faithfully

Martin Hiscox
Deputy General Manager-
Corporate and Community

Sarah Hillis

From: Simon Stirrat <Simon.Stirrat@environment.nsw.gov.au>
Sent: Monday, 12 March 2018 1:45 PM
To: Sarah Hillis
Cc: Andrew Fisher
Subject: RE: Avonlie Solar Farm - Flooding requirements

Hi Sarah

I have the following advice from our flood assessment team and with this you may not need a meeting. However, if you have any questions about this you are welcome to contact Steve Manwaring, Senior Natural Resource Officer (Floodplain Management) - South West Region: 02 6229 7170 or steve.manwaring@environment.nsw.gov.au.

The advice is that you could justify using a lower level of flooding assessment based on the fact that the sites are located in low flood hazard and the lower level of flood risks due to the nature of the development. You will need to identify overland flow paths that become active in local rainfall events to allow for the appropriate locating of infrastructure to avoid flood risks and minimise impacts.

As such, a simple modelling approach would suffice but we would still like you to address each of the flood related criteria in the SEARs in an appropriate manner.

Regards
Simon

From: Sarah Hillis [mailto:sarah.h@nghenvironmental.com.au]
Sent: Thursday, 8 March 2018 10:18 AM
To: Simon Stirrat <Simon.Stirrat@environment.nsw.gov.au>
Subject: Avonlie Solar Farm - Flooding requirements

Good morning Simon

Thanks for your time today. I am stepping out of the office from 11am onwards, so if you need to contact me please call my mobile from the details below.

Kind regards,

Sarah

Sarah Hillis | Senior Environmental Consultant

nghenvironmental

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PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL

Sarah Hillis

From: Ryan, Helen <Helen.Ryan@Narrandera.nsw.gov.au>
Sent: Monday, 23 April 2018 10:27 AM
To: Sarah Hillis
Subject: RE: Avonlie Solar Farm requirements

Hi Sarah

I feel that the approach you've suggested in the highlighted areas is suitable.

If you have further enquiries regarding this matter, please contact Council's Development & Environment section quoting reference number 5279 (phone 02-6959 5510 or email council@narrandera.nsw.gov.au)

Regards, Helen

Helen Ryan
Manager Development & Environment



PH: (02) 6959 5510
Fax: (02) 6959 1884
Email: helen.ryan@narrandera.nsw.gov.au
Website: www.narrandera.nsw.gov.au

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From: Sarah Hillis [mailto:sarah.h@nghenvironmental.com.au]
Sent: Tuesday, 10 April 2018 10:12 AM
To: Ryan, Helen
Cc: Nicola Smith
Subject: Avonlie Solar Farm requirements

Good morning Helen

Thank you for taking the time to stop in at our Open Day at the Library the other day. As discussed, a letter will be coming to you shortly outlining the proposed subdivision requirements. This is sitting with our Town Planner (Lizzie Olesen-Jensen) for review.

The Preliminary Environmental Assessment for the Development Application was submitted to the Department of Planning and Environment earlier this year, and the Secretarial Environmental Assessment Requirements (SEARs) included the following:

17. *The EIS must assess the impacts on the proposed development on flood behaviour, including:*
 - a. *Whether there will be detrimental increases in the potential flood affectation of other properties, assets and infrastructure.*
 - b. *Consistency with Council Floodplain Risk Management Plans.*

- c. Consistency with any Rural Floodplain Management Plans.
- d. Compatibility with the flood hazard of the land.
- e. Compatibility with the hydraulic functions of flow conveyance in floodways and storage in flood storage areas of the land.
- f. Whether there will be adverse effect to beneficial inundation of the floodplain environment, on, adjacent to or downstream of the site.
- g. Whether there will be direct or indirect increase in erosion, siltation, destruction of riparian vegetation or a reduction in the stability of river banks or watercourses.
- h. Any impacts the development may have upon existing community emergency management arrangements for flooding. These matters are to be discussed with the SES and Council.
- i. Whether the proposal incorporates specific measures to manage risk to life from flood. These matters are to be discussed with the SES and Council.
- j. Emergency management, evacuation and access, and contingency measures for the development considering the full range of flood risk (based upon the probable maximum flood or an equivalent extreme flood event). These matters are to be discussed with and have the support of Council and the SES.
- k. Any impacts the development may have on the social and economic costs to the community as consequence of flooding.

At this stage, NGH Environmental proposed to address flooding risk against existing plans in the EIS with a commitment to address emergency management arrangements post-submission within an Emergency Management Plan (EMP) and a Construction Environmental Management Plan (CEMP) that SES and Council will be invited to make comment on.

Are you happy for this approach? (i.e. the Proponent provide council an EMP and CEMP prior to construction that addresses the SEARs requirements for internal review and comment?). Can you please respond via return email, or please feel free to give me a call at any time to discuss.

Kind regards,

Sarah

Sarah Hillis | Senior Environmental Consultant

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Sarah Hillis

From: Maria De Deuge <maria.dedeuge@ses.nsw.gov.au>
Sent: Friday, 11 May 2018 1:44 PM
To: Sarah Hillis
Cc: Jon Gregory; Marcus Morgan
Subject: RE: Avonlie Solar Farm - Flooding
Attachments: SES response to Individual DA enquiries .pdf; SES Developers Guide April 2013.pdf; SES Business Floodsafe Toolkit -booklet.pdf

Dear Sarah,

Thank you for your query regarding the SEARs for the EIS on the proposed Avonlie Solar Farm. Without seeing the EIS, NSW SES is unable to make any specific comment in regards to flood risk mitigation measures and management. However we have the following general comments regarding the SEARs highlighted in your email:

17. The EIS must assess the impacts on the proposed development on flood behaviour, including:

h. Any impacts the development may have upon existing community emergency management arrangements for flooding. These matters are to be discussed with the SES and Council.

If access to the proposed development site is via the Sturt Highway between Wagga and Narrandera, it should be noted that it is subject to flooding. During major type flood events approaching a 1% AEP there may be road closures for periods of up to 4-5 days or more, which would limit access to the site from either Wagga or Narrandera.

i. Whether the proposal incorporates specific measures to manage risk to life from flood. These matters are to be discussed with the SES and Council.

The development appears to have no residential properties so the risk to life is considered to be low. However, in the context of (h), the risk to on-site personnel should be considered, and the risk assessment should have particular regard to flood warning and evacuation using existing and future access/egress routes. Consideration should also be given to the impacts of localised flooding on evacuation routes. Self-evacuation of the on-site personnel should be achievable in a manner which is consistent with the NSW SES's principles for evacuation.

j. Emergency management, evacuation and access, and contingency measures for the development considering the full range or flood risk (based upon the probable maximum flood or an equivalent extreme flood event). These matters are to be discussed with and have the support of Council and the SES.

As you have noted in your surface hydrology and flooding information, flood modelling around Narrandera has been done by Lyall and Associates (2015). It covers the proposed development area for modelling of the March 2012 flood event, but not for any design events. Since there is no PMF or extreme flood modelling for the proposed site, NSW SES is unable to comment on the above, without more information on the flood risk at the site.

Generally the NSW SES does not comment on site specific evacuation plans (NSW Floodplain Development Manual, Appendices D5.7, L5, N6 and particularly N7) but prefers to focus on strategic planning to avoid increasing flood risk. However, we are happy to provide further general comment on the EIS when it is released.

For your information, the following links and attachments may be useful to address any flood risk, including preparation of a flood evacuation plan:

- NSW SES response to enquiries relating to individual development applications.
- NSW SES Developers Guide
- NSW SES Business Floodsafe Toolkit booklet
- Department of Environment & Heritage "Floodplain Development Manual"
<http://www.environment.nsw.gov.au/research-and-publications/publications-search/floodplain-development-manual> for further reference to floodplain risk management planning.
- NSW SES Floodsafe business tool kit which is designed to assist business owners with the development of a customised "Emergency Business Continuity Plan" <http://www.sesemergencyplan.com.au/business/>.

Please don't hesitate to call me for clarification of further informations.

Regards,
Maria



Maria de Deuge
Planning and Research Officer | Emergency Risk Management
NSW State Emergency Service - SHQ
P 02 4251 6210 M 0477 367 227 E maria.dedeuge@ses.nsw.gov.au

From: Sarah Hillis [<mailto:sarah.h@nghenvironmental.com.au>]
Sent: Thursday, 10 May 2018 8:28 PM
To: Maria De Deuge <maria.dedeuge@ses.nsw.gov.au>
Subject: RE: Avonlie Solar Farm - Flooding

Thank you Maria

Just wondering where this got up to? We are hoping to submit the EIS very soon.

Thank you again, greatly appreciated.

Sarah

From: Maria De Deuge <maria.dedeuge@ses.nsw.gov.au>
Sent: Wednesday, 2 May 2018 3:51 PM
To: Sarah Hillis <sarah.h@nghenvironmental.com.au>
Subject: RE: Avonlie Solar Farm - Flooding

Hi Sarah,
I have spoken with Jon, and have drafted a response for him and our Land Use Planning Coordinator, Marcus Morgan, to review. I hope to get this to you by the end of the week.
Regards
Maria



Maria de Deuge
Planning and Research Officer | Emergency Risk Management
NSW State Emergency Service - SHQ
P 02 4251 6210 M 0477 367 227 E maria.dedeuge@ses.nsw.gov.au

From: Sarah Hillis [<mailto:sarah.h@nghenvironmental.com.au>]
Sent: Tuesday, 1 May 2018 10:47 AM
To: Maria De Deuge <maria.dedeuge@ses.nsw.gov.au>; Jon Gregory <jon.gregory1@one.ses.nsw.gov.au>
Subject: Avonlie Solar Farm - Flooding

Good morning Maria and Jon

Have you both had a chance to discuss the details provided for the proposed Avonlie Solar Farm near Narrandera, in regards to flooding risk and mitigation measures / management?

FYI, Narrandera Shire Council have said they will review the details within the EIS and are happy to address any site specific management issues post-DA submission within any required Management Plan. As part of the DA, the

developer will commit to an Emergency Management Plan and additional procedures in close consultation with Council and SES.

Kind regards,

Sarah

Sarah Hillis | Senior Environmental Consultant

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Sarah Hillis

From: Ryan, Helen <Helen.Ryan@Narrandera.nsw.gov.au>
Sent: Monday, 4 June 2018 4:39 PM
To: Sarah Hillis
Subject: RE: Avonlie Solar Farm - Proposed Subdivision
Attachments: 2018-06-04 Letter - NGH - Lot reconfiguration.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sarah

Please see attached letter as requested.

If you have further enquiries regarding this matter, please contact Council's Development & Environment section quoting reference number 4870 (phone 02-6959 5510 or email council@narrandera.nsw.gov.au)

If you have plans and specifications to submit, please email to council@narrandera.nsw.gov.au Council's email server will not accept email attachments over 8MB. Multiple and larger files should be grouped and transmitted by a large-file sending service.

Regards

Helen Ryan
Manager Development & Environment



PH: (02) 6959 5510
Fax: (02) 6959 1884
Email: helen.ryan@narrandera.nsw.gov.au
Website: www.narrandera.nsw.gov.au

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From: Sarah Hillis [mailto:sarah.h@nghenvironmental.com.au]
Sent: Monday, 14 May 2018 9:19 AM
To: Ryan, Helen
Cc: Nicola Smith
Subject: Avonlie Solar Farm - Proposed Subdivision

Good morning Helen

Please find attached a letter seeking support for the proposed subdivision for the Avonlie Solar Farm. Could any response please be forwarded by return email as soon as possible.

If you have any questions, please feel free to call me at any time.

Warm regards,

Sarah


Sarah Hillis | Senior Environmental Consultant

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4 June 2018

NGH Environmental
PO Box 5464
WAGGA WAGGA NSW 2650

Attn: Sarah Hillis
sarah.h@nghenvironmental.com.au



Dear Sarah

RE: AVONLIE SOLAR FARM - RECONFIGURATION OF LOTS

Thank you for your letter of 14 May 2018 providing details of the proposed reconfiguration of lots.

As stated, the proposed reconfiguration of the lots does not comply with the Narrandera Local Environmental Plan 2013. However, Narrandera Shire Council is supportive of the development and is therefore willing to provide in-principle agreement for the reconfiguration to proceed. Council wishes to ensure that no dwelling entitlement shall be attached to any newly created lots that are under the minimum lot size.

Please contact Council's Development and Environment section by telephone 02 6959 5510 or via email council@narrandera.nsw.gov.au if you have any further enquiries regarding these matters.

Yours sincerely

A handwritten signature in black ink, appearing to be "Helen Ryan", written over a white background.

Helen Ryan
Manager Development and Environment

Sarah Hillis

From: Lilia Donkova <lilia.donkova@planning.nsw.gov.au>
Sent: Tuesday, 22 May 2018 10:55 AM
To: Sarah Hillis
Cc: Mike Whitbread
Subject: RE: PHA Requirements - Avonlie Solar Farm

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Sarah,

Based on the location of the development, the location and the capacity of the battery storage (only 10 MV) and the surrounding land uses, I consider that the information on hazards and risks is adequate for public exhibition, subject to number of clarifications:

1. While DG Class 9 is not included in the screening test of Applying SEPP 33, Appendix 4 of the Guideline clarifies that the consent authority should consider whether a potential for harm exist.
2. The current edition of Applying SEPP 33 is issued in 2011 and a large scale battery storage in NSW at that time was not existent. It is also noted that the Guideline is developed only to assist the consent authority to determine if a development is a potentially hazardous. However, the final determination is made based on consideration if the development will fall under the definition of potentially hazardous development provided in the actual SEPP 33.
3. The Table under Sec.1.2.1: It is not clear what is listed in column "storage threshold" – the maximum quantity to be stored on site or the threshold storage quantity in Applying SEPP 33. If it is the first one, the development will be potentially hazardous as the LPG storage quantity is equal to the threshold quantity of Applying SEPP 33.

Regards,

Lilia

Lilia Donkova

Hazards and Risk Consultant
Department of Planning and Environment

Level 29, 320 Pitt Street | GPO Box 39 | Sydney NSW 2001

T: +61 2 9274 6108

M:+61 405 083 297

lilia.donkova@planning.nsw.gov.au

From: Sarah Hillis [mailto:sarah.h@nghenvironmental.com.au]
Sent: Thursday, 17 May 2018 7:46 AM
To: Lilia Donkova <lilia.donkova@planning.nsw.gov.au>
Cc: Mike Whitbread <mike.whitbread@res-group.com>
Subject: Re: PHA Requirements - Avonlie Solar Farm

Hi Lilia

Sorry I was unable to respond yesterday, I was off sick. Please find attached a few maps and site layout. The descriptions is as follows:

- The proposal is located approximately 20km south-east of Narrandera. Surrounding land use is entirely agricultural – mixed grazing and cropping.
- The batter storage facility is located near the site entrance, in the south-east corner of the development site. Please see attached Layout PDF.
- The closest neighbour to the development site is approximately 1km north-east on Quilters Road (Receptor 3), with the closest receptors to the battery storage being over 2km away (receptor 5 and 18). Two derelict unoccupied buildings are shown on the mapping also.
- You are correct in that the DA is seeking approval for a pilot study. The storage facility will be built to accommodate a full 205 MW capacity of battery storage, with an initial pilot capacity of 10 MW. Any expansion on top of this 10 MW will be subject to modification.

Please let me know if you require any further information.

Kind regards,

Sarah

From: Lilia Donkova <lilia.donkova@planning.nsw.gov.au>
Sent: Wednesday, May 16, 2018 12:11:33 AM
To: Sarah Hillis
Cc: Mike Whitbread
Subject: RE: PHA Requirements - Avonlie Solar Farm

Hi Sarah,

I had a look to the hazards section, but it is hard to understand the proposal without background information about the proposal and most importantly – without information about the location of the proposed storage in the context of the surrounding land uses. In relation to that, can you please send the following additional information:

- The location of the proposed Solar Farm, including the surrounding land uses;
- The location of the proposed battery storage within the Solar Farm;
- The distance from the battery storage to the nearest residential dwelling (even if this is the house of the owner of the land); and
- The distance to the nearest town.

My understanding is that the current DA seeks an approval for a pilot project of battery storage with maximum capacity of 10 MW and any expansion of the battery storage, following an approval, will be subject of a modification. Can you please confirm that.

Regards,

Lilia

Lilia Donkova
Hazards and Risk Consultant
Department of Planning and Environment

Level 29, 320 Pitt Street | GPO Box 39 | Sydney NSW 2001

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lilia.donkova@planning.nsw.gov.au

From: Sarah Hillis [<mailto:sarah.h@nghenvironmental.com.au>]
Sent: Tuesday, 8 May 2018 3:31 PM

To: Lilia Donkova <lilia.donkova@planning.nsw.gov.au>
Cc: Mike Whitbread <Mike.Whitbread@res-group.com>
Subject: PHA Requirements - Avonlie Solar Farm

Good afternoon Lilia

I am sorry for the delay in getting this information to you. As discussed, please find attached chapters from the proposed Avonlie Solar Farm EIS in relation to battery storage and hazards (including fire).

Can you please provide us with some advice around the hazard assessment requirements, and if you think a PHA will be essential. Please let me know if you need any more information to help us out also.

Kind regards,

Sarah

Sarah Hillis | Senior Environmental Consultant

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