

831

DPTI:scapreps

From: Surace, Jessie (DPTI)
Sent: Friday, 29 June 2018 4:27 PM
To: DPTI:scapreps
Subject: FW: Crystal Brook Wind Turbines

From: kathy endemann [mailto:endemannclan@hotmail.com]

Sent: Friday, 29 June 2018 12:06 PM

To: admin@sapanningcommission.sa.gov.au

Subject: Crystal Brook Wind Turbines

Dear Mr Tim Anderson,

I am writing to oppose the proposed wind farm in Crystal Brook.

I am highly opposed to having a wind farm in Crystal Brook.

There are several reasons for concern. My first and foremost concern is for the health of the residents of Crystal Brook. I have small children and elderly parents. Researching the health effects is downright scary. Sleeplessness, nauseousness, dizziness, to name a few. These are all just symptoms of what is happening inside the body. We don't know the long-term health effects. Crystal Brook is essentially being used as a guinea pig.

My next concern is the devaluation of property. Who is going to compensate Crystal Brook residents for loss of property value? This is not fair. What benefit are Crystal Brook residents receiving from this power farm? Will we have an opportunity to have our properties evaluated and Neoen to buy us out? I will not want to stay in Crystal Brook if this goes ahead, but if our property price goes down or is unsalable we will be left stuck here or forced to rent a home elsewhere.

The noise and light flickering from the turbines is also a big concern and reports from other people living near wind turbines are that the whirring gets louder on your pillow at night causing sleeplessness.

There are many engineers and medical professionals that have advised a 13km safe distance from a wind farm, and that distance was for wind turbines half the size of the wind turbines proposed for Crystal Brook.

If this is allowed to go ahead then the Crystal Brook people are clearly not being protected. This is disgusting to me that this would go ahead for a mere 5% of electricity. That is such a small amount of electricity production when there are other less invasive ways such as solar panels. I am not against the solar panels or the batteries but I am highly offended at the thought of 240-meter wind turbines in my backyard.

Please protect the people of Crystal Brook, the children, the elderly, the pregnant mothers and the those already suffering from illness. These people do not need the extra stress physically, or financially.

Thank you for hearing my opposition.

Sincerely

Kathy Endemann

11 Eyre Rd

Crystal Brook

South Australia

0400627391

DPTI:scapreps

From: Denis <denis@cbmp.com.au>
Sent: Friday, 29 June 2018 3:58 PM
To: DPTI:scapreps
Subject: Objection to Proposed Crystal Brook wind farm
Attachments: IMG_0168.JPG; ATT00001.txt

Please find attached our submission in regard proposed Crystal Brook wind farm.
Kind regards
Denis O'Dea

**DEVELOPMENT ACT, 1993, 549/549A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018

During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).

My name: DENIS & ELLIE O'DEN
 My phone number: 86 362086 - 0404839137

PRIMARY METHOD(S) OF CONTACT: Email address: _____
 Postal address: 17 MERCOWIE RD
CRYSTAL BROOK Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is CRYSTAL BROOK Postcode 5523

The specific aspects of the application to which I make comment on are: EXCESSIVE HEIGHT OF TURBINES 240
PROXIMITY TO RESIDENCES & CRYSTAL BROOK TOWNSHIP
IMPACT ON VISUAL AMENITY OF THE FLINDERS RANGES
IMPACT ON TELEVISION RECEPTION
LOSS OF PROPERTY VALUATION

☐ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☒ being represented by the following person: Ann GARRINGTON
 (Cross out whichever does not apply)

Date: 29.6.18

Signature: [Signature]

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
 capreps@sa.gov.au

DPTI:scapreps

From: Joseph Fisher <sheoke@internode.on.net>
Sent: Friday, 29 June 2018 3:59 PM
To: DPTI:scapreps
Subject: Crystal Brook Energy Park submission
Attachments: CRYSTAL BROOK - 354_V003_18_Application_docs_Part_1 (dragged) 1.pdf;
ATT00001.htm

Hello scapreps,

Unfortunately, with the equipment I own I can't fill in the form on this computer. I have managed to sign and date it using a graphics program and the mouse. Not easy to do, or read, but there it is.

Below is the information required on the form.

Name:
Joseph Fisher

Telephone:
86 632563

Email address:
sheoke@internode.on.net

Postal address:
1 Amey Rd.
Laura S.A.
5480

My interest is:
owner of local property

The address of the property affected is:

Hopefully my property, above, won't be affected but I have friends in the Beetaloo Valley whose properties will be.

Aspects of the application to which I make comment on are:

Capacity factor.

Capacity factor gives us the potential but not the actual energy produced averaged over the lifetime of the panels and wind generators. The actual figure is way, way, below the capacity factor. And the lifetimes of the panels and wind generators is not very long.

The climate science being put forward as the reason for all of these wind and solar farms being necessary is only one version of that science, and is a deeply flawed version. I do not support the manner in which renewable, intermittent, energy is being made to look so attractive to the Australian population.

Crystal Brook Energy Park is not necessary.

Base load power is.

DPTI:scapreps

From: Peter Kerin <peter@kerinagencies.com.au>
Sent: Friday, 29 June 2018 3:47 PM
To: DPTI:scapreps
Subject: Crstal Brook Energy Park

To Whom It may concern,

As a long term resident of Crystal Brook I'm writing this submission to express support for the Crystal Brook Energy Park.

New industries are essential in our region and State. This proposal presents many opportunities that we need to take advantage of.

Employment, both during construction and staffing the plant after completion, will be a major boost for our town and our region.

Tourism will also be a winner as I'm sure many people will divert through Crystal Brook to see the project.

We have a foreign country willing to spend half a billion dollars in our state, which will enhance our states reputation as a leader in renewable energy and we must not let this opportunity slip.

Alternatively, we can be seen as a state where red tape and Government interference hinder rather than help.

Please support the proposal for the establishment of The Crystal Brook Energy Park.

Regards.

Peter Kerin



PO Box 65, Crystal Brook SA 5523
Ph 0886 362 336 Fax 0886 362 690
Mobile 0417 895 285
Email peter@kerinagencies.com.au

DPTI:scapreps

From: Frome EO <Frome@parliament.sa.gov.au>
Sent: Friday, 29 June 2018 3:30 PM
To: DPTI:scapreps
Subject: FW: Crystal Brook Windfarm Development D/No. 354/V003/18

Good Afternoon

Please find below submission regarding the Crystal Brook Energy Park forwarded on behalf of Kym Hoffrichter.

Regards

Yvonne Begg
Office Manager
Hon Geoff Brock MP
Member for Frome

T: (08) 8633 1210 F: (08) 8633 1758
 Shop C, Ellen Centre
 PO Box 519 Port Pirie SA 5540

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From: khoff@adam.com.au [mailto:khoff@adam.com.au]
Sent: Tuesday, 26 June 2018 4:22 PM
To: ministerknoll@sa.gov.au; admin@saplanningcommission.sa.gov.au; Frome EO <Frome@parliament.sa.gov.au>
Subject: Crystal Brook Windfarm Development D/No. 354/V003/18

To

Hon Stephan Knoll, Mr Tim Anderson, Hon Geoff Brock

As a resident of the Crystal Brook Community for over 20 years, I have enjoyed the beautiful Flinders Ranges. They are indeed an iconic natural feature of South Australia which draws tourism to our area from all over Australia and indeed the world. However, I find myself needing to express my deep concern that should the proposed Crystal Brook Windfarm development proceed (at the very start of our magnificent ranges), I believe our state will lose more than it gains. The very scale of this development is difficult to comprehend, - the 2nd largest wind towers in the world, twice the height of the Clements Gap Wind farm towers.

This would be a tremendous visual blight on the landscape which would significantly impact the enjoyment of our ranges. Please do not allow this development to proceed and rob future generations of the pleasure of experiencing these ranges as they now are.

I know this is an emotive issue for many like me, but do not underestimate the value of our rich natural resource - once it is there, it is too late to care.

Kym Hoffrichter

DPTI:scapreps

From: Denise Higgins <bridenhi@bigpond.com>
Sent: Friday, 29 June 2018 2:48 PM
To: DPTI:scapreps
Subject: Re: development number 354/V003/18 - Attention Lee Webb
Attachments: 20180629 - Submission to SCAP.PDF

Hello Lee

Please find attached a submission re wind farm development adjacent to the Crystal Brook township.

Regards

Brian Higgins

Presiding Member

Southern Flinders Health Advisory Council

Brian and Denise Higgins

PO Box 108

Laura 5480

Brian - 0427 632 595

Denise - 0428 222 610

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**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: BRIAN HIGGINS

My phone number: 0427 632 595

PRIMARY METHOD(S) OF CONTACT: Email address: bridenhi@bigpond.com

Postal address: _____

Postcode _____

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

- My interests are:
- ☐ owner of local property
 - ☐ occupier of local property
 - ☐ a representative of a company/other organisation affected by the proposal
 - ☐ a private citizen

The address of the property affected is CRYSTAL BROOK Postcode 5523

The specific aspects of the application to which I make comment on are: _____

PLEASE SEE ATTACHED

- I ☐ wish to be heard in support of my submission
- ☒ do not wish to be heard in support of my submission
- (Please tick one)

by ☐ appearing personally

☐ being represented by the following person : _____

(Cross out whichever does not apply)

Date: 28/6/18

Signature: Brian Higgins

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or scapreps@sa.gov.au

Attachment to Representation on Application 354/V003/18 - Crystal Brook Energy Park

The Southern Flinders Health Advisory Council (HAC) is an advisory body established under the Health Care Act 2008 to advise the relevant Ministers on health issues related to our local community. We play a large role in maintaining a strong link between communities and their health services. This involves participation in discussions around health issues. The township of Crystal Brook is within our Health Advisory Council area.

As such, concerns have been raised with the HAC by community members in relation to the proposed wind farm development near Crystal Brook. These concerns relate to the close proximity to the town (3.5 kms), the size of the proposed wind turbines and the potential health effects on the local community. We felt that it was necessary to pass these concerns on to the Commission for consideration.

In addition, the HAC is aware of the marked division within the community in relation to the proposal – some are very concerned about the proposed development and others are not. This is causing a great deal of heated debate, disputes and overall anxiety for many community members. This is not characteristic of the Crystal Brook community. The angst caused is not conducive to a health community and we are very concerned about it.

Brian Higgins
Presiding Member
Southern Flinders Health Advisory Council

DPTI:scapreps

From: Emma Gulin <emmagulin1@yahoo.com>
Sent: Friday, 29 June 2018 2:24 PM
To: DPTI:scapreps
Subject: Neoen Windfarm
Attachments: IMG_2411.jpg; ATT00001.txt

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: Emma Gulin
 My phone number: 041786 7368

PRIMARY METHOD(S) OF CONTACT: Email address: emmagulin1@yahoo.com
 Postal address: 19 Binney Rd
Crystal Brook Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 19 Binney Rd Postcode 5523
Crystal Brook.

The specific aspects of the application to which I make comment on are:

We are against the installation of the
proposed neoen wind farm. The visual
impact on our town and beautiful
Flinders Ranges is not acceptable.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 29.6.18

Signature: El Gulin

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Gerry Nicholson <g.nich@westnet.com.au>
Sent: Friday, 29 June 2018 2:05 PM
To: DPTI:scapreps
Subject: Objections to Neoen Windfarm - Crystal Brook
Attachments: SCAP - Objections to Neoen Wind farm.pdf

Please see attached documents

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**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Brodie Walsh

My phone number: 0468463908

PRIMARY METHOD(S) OF CONTACT:

Email address: johanson14@hotmail.com

Postal address: 19 Musgrave St

Crystal Brook Postcode SA 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

- ☐ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 19 Musgrave St Postcode SA 5523
Crystal Brook

The specific aspects of the application to which I make comment on are:

① Size and proximity to Crystal Brook township and flinders Rangers ② Noise and possible health problems ③ Visual Impact ④ Property devaluation

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)

by ☒ appearing personally

☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 26-6-18

Signature: Brodie Walsh

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

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**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: EMMA NICHOLSON

My phone number: 0468463908

PRIMARY METHOD(S) OF CONTACT: Email address: emma.rase.nico@gmail.com

Postal address: 19 MUSGRAVE STREET
CRYSTAL BROOK Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

☐ owner of local property

☒ occupier of local property

☐ a representative of a company/other organisation affected by the proposal

☐ a private citizen

The address of the property affected is 19 MUSGRAVE STREET Postcode 5523
CRYSTAL BROOK.

The specific aspects of the application to which I make comment on are: SIZE & PROXIMITY TO
CRYSTAL BROOK TOWNSHIP & THE FLINDERS RANGES.
NOISE & HEALTH ISSUES. PROPERTY DEVALUATION.
VISUAL IMPACT ON CRYSTAL BROOK/FLINDERS RANGES.
PRECEDENCE FOR MORE TURBINE ON THE FLINDERS
RANGES.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☒ appearing personally
☐ being represented by the following person : _____
(Cross out whichever does not apply)

Date: 28.6.18

Signature: Emm Nicholson

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au


DPTI:scapreps

From: James Spry <james.spry@gmail.com>
Sent: Friday, 29 June 2018 2:00 PM
To: DPTI:scapreps
Cc: Karen Spry
Subject: Representation on application - CB Energy Park - Karen Spry
Attachments: Representation on application - CB Energy Park - Karen Spry.pdf; Concerns regarding the proposed wind generation facility at Crystal Brook.pdf

To whom it may concern,

I am sending this submission on behalf of my wife, who is currently unable to make this submission herself due to technical difficulties.

Please find attached her Representation on Application for Development Number - 354/V003/18.

 Thank you

Jim & Karen Spry

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**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: Mrs Karen Spory
 My phone number: 0412298949 / (08) 86362939
 PRIMARY METHOD(S) OF CONTACT: Email address: karensory5@gmail.com
 Postal address: 270A Beetaloo Valley Rd
Beetaloo Valley SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 270A Beetaloo Valley Rd Postcode 5523

The specific aspects of the application to which I make comment on are: Heads Rd access for duration of construction & operation - very narrow. Exclusion zone for eagles. None. See attachment for more details

I ☒ wish to be heard in support of my submission locally
☐ do not wish to be heard in support of my submission
 (Please tick one)

by ☒ appearing personally

☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 28/6/18

Signature: Karen Spory

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
 scapreprs@sa.gov.au

Concerns regarding the proposed wind generation facility at Crystal Brook.

Our farm is located 2.7 km from Wilkins Highway at 270A Beetaloo Valley Road, Beetaloo Valley, 5523, with Crystal Brook creek running through it.

We farm in a holistic manner using ruminant animals. This means that in order to make decisions we must take into account how that decision will affect every part of our farm from:

- soil microbes,
- flora,
- fauna,
- insects and
- birdlife,
- our livestock,
- through to how it will affect us,
- our neighbours and
- our local community.

Key indicators for us to determine if we are doing a good job in increasing biodiversity are the predatory species for example:

- spiders,
- lizards,
- monitor lizards,
- goannas,
- corvid bird species,
- parrots,
- other small native birds,
- hawks,
- falcons, and
- eagles.

The increase of these species shows we are increasing biodiversity on all levels. This leads to a more resilient landscape that can support more life, thus increasing fertility naturally.

When we lose predatory species, ecosystems collapse.

The presence of a wind farm will undoubtedly affect many of the aforementioned species. The **eagles** are most notable as they have a very wide range to hunt for food. **The 500m exclusion zone is not enough to protect these birds.**

The destruction of whole areas of native scrub will also affect the monitor lizards and goannas as they routinely travel up and down Crystal Brook Creek looking for food. **The destruction of scrub also affects the smaller native birds that rely on this habitat, some of which are becoming rare.**

Heads Road is a narrow track. I have seen how wide those trucks are that transport wind farm parts and they will not fit along most of Heads Road. This means **remnant scrub will be**

bulldozed to make way. Neoen said they will fence off sections of land and replant with native plant species, but it will take about 30 years for it to be properly habitable by local wildlife, assuming it's been properly cared for during establishment. **I also do not believe Neoen will keep their word on this as their track record so far has been dodgy with regards to their dealings with me.** Just locking up an area isn't conservation either. This method leads to degradation of landscapes.

We encourage people to visit our farm to learn about what we do, how we regenerate our little patch of landscape and biodiversity through our management practices so they can know that when they buy from us, **they are helping to sequester carbon, save native species, and also save the planet.** The sight and noise of **240m turbines will be a major turn off** for these people who come to get away from the noise of the city. **This will hurt our business as this is a fundamental marketing method for us.**

As for wind turbine noise, we will be in close proximity to the proposed turbines, with nothing between us and them to dampen the noise. I already suffer from **sleep apnoea**, so any extra disturbance to my sleep will be detrimental to my health. I am quite happy with the sound of wind in the leaves and birds singing as there is no rhythm to those. But the **rhythmic beating of turbine blades will be a problem for me,** especially when the **prevailing winds are from the south and south west.** This will funnel the noise up to my house. I also love having my whole house open on a hot summer's night to cool it down. **I really don't want to have to use the airconditioner because I can't open the windows because of the noise of the wind turbines.**

I am also concerned with the change to the value of my property. If we should decide to sell, potential buyers don't actively seek properties located right next to or near to wind farms. This means we stand to lose a lot of money should that ever happen.

Also, I have already given my feedback to Neoen on several occasions only to have them either respond in an argumentative manner or completely ignore what I've had to say. Lots of people, like me, have vehemently opposed this proposal, only to be largely ignored.

I see this development as not being helpful to the local community I am concerned **most of the jobs will be located elsewhere** (ie: control rooms don't need to be located on site, they can be anywhere in the world), **most of the construction labour will be 457 VISA workers** (which they have done for other developments) and when it's operating (God forbid) many of the **workers will already be employed at Hornsdale** and will be swapping one wind farm for another. I don't see any nett benefit for the local community.

DPTI:scapreps

From: James Spry <james.spry@gmail.com>
Sent: Friday, 29 June 2018 1:55 PM
To: DPTI:scapreps
Subject: Development Number 354/V003/18 - Representation on application - James Spry
Attachments: Dev no 354_V003_18 - representation on application - James Spry.pdf; Dev no 354_V003_18 - representation on application - James Spry attachment.pdf

To whom It may concern,

Please find attached my hand written representation application, and its attachment with futher relevant details.

Please do not hesitate to contact me if there are any issues, or you seek further clarification.

Yheers

Jim Spry

The greatness of a nation and its moral progress can be judged by the way its animals are treated. - Gandhi

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: James Spry
My phone number: 0419 443 245 or (08) 8636 2939
PRIMARY METHOD(S) OF CONTACT: Email address: james.spry@gmail.com
Postal address: 270A Beetaloo Valley Rd
Beetaloo Valley SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 270A Beetaloo Valley Rd Postcode 5523

The specific aspects of the application to which I make comment on are:

I am opposed to the wind turbines (windfarm) aspect.
Please refer to the attachment for details

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)
by ☒ appearing personally
☐ being represented by the following person :
(Cross out whichever does not apply)

Date: 29/8/2018 Signature: [Signature]
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

James Spry

270A Beetaloo Valley Rd
Beetaloo Valley, SA, 5523
Phone: 8636 2939

► **State Commission Assessment Panel**

Development Division
Department of Planning, Transport and
Infrastructure
Level 5, 50 Flinders St, Adelaide

To whom it may concern,

I strongly object to the planned construction of a Windfarm, as part of the Crystal Brook Energy Park (refer Development Number 354/V003/18). My objections are outlined as follows.

Social disruption and negative community impact:

My most significant objection is due to the division and disruption that this will cause to the local community. Many local residents will be affected by the construction and operation of the proposed wind turbines. However, only a very few people will benefit from them. Most of the local community (myself included) is being asked to accept the consequences of significant visual changes to the historic and iconic Southern Flinders Ranges, but without any thought given to the ongoing long term negative consequences of this permanent change to the natural beauty of the area. We are being asked to accept the detrimental effect that turbine noise will have on the local community, without any recourse should it prove to be unacceptable. We are being asked to sacrifice the beauty and serenity that we now take as a natural part of our lifestyle, so that other people can benefit – at our expense and with seemingly lip service paid to our concerns.

Since the recent community consultation, these issues are now becoming apparent to the local residents and the wider community. And they are starting to strongly divide the community, who are not unanimously in favour of this development. Once the construction is completed the rift will become much wider and have the potential to cause serious social disruption and dislocation to a small and close knit rural community.

A holistic approach to reviewing this development would consider this as a significant detriment to the local community, and therefore a significant negative outcome of the development. Therefore it would seek to find a more appropriate solution, where all parties can be accommodated, and where the whole of the local community benefits without disadvantage to any.

Poor community consultation and communication:

As mentioned above, the community consultation has been very late and quite limited. Also the level of detail in the community consultation has been poor, and seems to have been more aligned to a public relations campaign rather than for the purposes of information dissemination. The response when questioned about noise levels was not to provide any modelling results or other hard data, but a simple response of “it falls within the EPA guidelines”. When asked what the EPA guidelines actually are, the response was non-committal and vague, giving the impression that no one actually knew what they were, or didn’t want to give any factual data because they were worried about the results. Not only that, the locations of the wind turbines were not entirely accurate, and no distances were given to local residences (including my own) and other significant areas in the district (like the caravan park, school, CBD and other public areas and local attractions.)

So, far from being an open and honest information sharing consultative process, this appears to have been one

based on achieving the minimum level that might be considered acceptable. In other words, the “minimum that we can get away with”, and “make sure you don’t let the locals know about anything that they might get upset about”. Which hardly seems appropriate for a multi-million dollar development that will affect many hundreds of local people.

In my opinion, this could hardly be considered a community consultation. It should be considered a community “white-wash” (or possibly a community “green-wash”). I ask the question, how can the local community properly consider and accept this development, if they don’t actually understand it?

Local economic benefits are widely overstated and overly generalized:

The benefits of this development have been portrayed as being excellent for local employment, especially during the construction phase. However, there are only a handful of permanent jobs planned after construction is complete. Also, experience on other large construction projects, as well as the typical scenario on other windfarms, leads me to believe that almost all (if not all) of the construction jobs will be for non-local workers. This will leave the local workforce “sitting on the sidelines” as it were, or serving pies, pasties and iced coffees to construction crews. In which case the economic benefit to the local community will not be significantly large and will not be for any significant duration. The majority of the economic benefit will, in fact, flow to non-local construction companies and workers, where the majority of the capital will flow. Temporary accommodation, meals, some local travel and inconsequential construction work is the best economic benefit that we can realistically expect from this project. Thus giving a small temporary benefit to a few local businesses.

Considering the loss of visual amenity, increase in noise pollution, and potential for a decrease in tourism revenue (see next section) this seems very high price to pay for a very small very short term boost to the local economy. A holistic approach to this development would ensure a significant and sustainable economic improvement to the local community.

Significant potential for ongoing loss of local economic activity:

Many of the local businesses, and local industries (excluding broad-acre farming) rely on the natural beauty of the local landscape. There are many local businesses that rely on tourism which enjoys this beauty and tranquility. Many of the local residents enjoy the peace and quiet and relaxed country lifestyle of the local region. Other industries in the town require a quiet and tranquil environment to operate in an effective manner (such as the school, hospital, retirement home etc.) With the very close location of a significant number of turbines, this tranquil local environment is likely to be threatened. In which case there is a serious risk this will drive people away from the town, and the local economy will suffer from a downturn due to the impact of the turbines.

Although there will be some small increase in employment, which could possibly bring a family or two into the town, it is also possible that more families will decide to move away from the town due to the noise or visual impact. Thus it is quite likely that there will be a net loss of population from the small local community, with a subsequent loss of economic activity. If a decline in the local population does occur, it is likely to have a flow-on effect to local house prices, which impacts the asset base of the whole community. This then leads to a cascade of negative financial and social impacts. If this is of a significant enough size, then it could have a very detrimental effect on the town’s population, with the possibility of a terminal decline for the town. This hardly seems to be a justifiable risk, for the sake of a few extra jobs.

To view the economic effects of this development in a holistic manner, one can see the potential for negative consequences in parallel with the positive ones. And the potential for a net negative effect cannot be ignored, neither should it be trivialised. Unless a significant risk mitigation strategy is implemented, to avoid this effect, then the risk is too great for the supposed reward.

Proximity to the local town and dwellings, and businesses:

As already mentioned in the above sections, there are more than twenty (currently 26) wind turbines proposed in various locations surrounding the township of Crystal Brook, and the wider local community. These will be the largest turbines ever installed in Australia and some of the closest to any township/residential area. Thus they will impact more people than any previous wind turbine development. Therefore there is essentially no precedent with which to compare this development. There is no historical data for how a development such as this will impact the local community, and what all of the impacts will be.

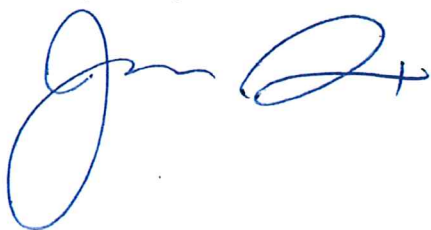
It is already known that some people suffer negatively from wind turbines (whether this is psychological or not is a matter of some debate, but it is irrelevant as the side-effects are known and well documented.) Should that be only ten percent of the population, then it is likely that over one hundred people will suffer as a consequence of these proposed wind turbines. That is a very significant number of people. That is one hundred people who may want to leave the local community, who may not be able to work or go to school effectively. That is ten percent of the tourists coming to the area that could be effected enough to leave, and recommend to others to not even visit. That is possibly ten percent of the local businesses that could close. That is ten percent of people in the local hospital and nursing home, who are badly effected enough to leave. And there could be more effects than this, especially if more than ten percent of people are negatively affected.

Looking at this development holistically, I can see no reason why these wind turbines need to be placed so close to residences and the local township. There are plenty of other more appropriate areas to locate these turbines, and the further away they are from any residences, but specifically the local town, the better. (As a suggestion, 11 km South of Crystal Brook along the Cattle Track road there are hills which would be eminently suitable for these turbines.)

And in conclusion, let me just end with a warning about the potential for social activism in our modern online world:

In a world of social media and instant global news, it is a brave person who neglects or ignores their responsibility to protect people and communities, and puts the profits of corporations first.

Thank you for your time and kind consideration



James Spry
6/29/2018

DPTI:scapreps

From: Millicent Wells <millicentrwells@gmail.com>
Sent: Friday, 29 June 2018 1:46 PM
To: DPTI:scapreps
Subject: Representation on Application
Attachments: Representation on Application_ MW29062018.pdf

Dear Sir/Madam,

Please find attached my Representation on Application for submission, regarding development number 354/V003/18 - Neoen Australia Pty Ltd, Crystal Brook Energy Park.

Sincerely,

Millicent Wells

94/

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Millicent Wells
 My phone number: 09 17 0355 84
 PRIMARY METHOD(S) OF CONTACT: Email address: millicentrwells@gmail.com
 Postal address: 204 A Macarthur Street
Soldiers Hill Postcode 5850

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 32 John Street, Crystal Brook Postcode 5523

The specific aspects of the application to which I make comment on are: 97 Hongabirrie Road, Crystal Brook

Please see attached letter

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 29/6/18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

MILLICENT WELLS

304A Macarthur Street, Soldiers Hill, 3350 | millicentrwells@gmail.com

29th June 2018

The Secretary
State Commission Assessment Panel
GPO Box 1815
Adelaide, SA, 5001

To Whom it May Concern,

I am writing in regard to the Neoen Australia Energy Park development proposal for Crystal Brook. As a past member of the Crystal Brook community where my parents and brothers still live, I have major concerns for the impacts this will have on the local residents and community, and the precedent that it sets for the future.

My brother has recently purchased his first piece of land, as part of a new development on the edge of Crystal Brook, where many other young families have chosen to build and settle in the past twelve months. The turbines are proposed to be built within 2km of this development. Standing at 240m tall, the turbines will dominate the skyline and intrude on the views that these homes were designed and built to relish. Undoubtedly, this will have a devastating impact on the value of these properties, making resale financially unviable, and in some cases impossible. Owners, including my brother, will suffer this detriment whilst their neighbours are healthily remunerated by Neoen for having turbines on their property.

As the 'Gateway to the Flinders' Crystal Brook has long been a popular destination for travelers wanting to explore the local area, including the Heyson Trail and nearby gorges, and those stopping on route to attractions further north. All 26 of the proposed turbines are within 5km of Bowman's Park, right through which the Heyson Trail runs. The domineering presence and noise created by the turbines will destroy the peaceful and picturesque landscape that attracts people to the area. I fear for the effect that this will have on tourism and traffic to the town, with local small businesses sure to suffer.

[REDACTED]

As a health professional, I have strong reservations regarding the health effects that turbines of this size could have on the health of those living in the near vicinity. Populations living or working in close proximity to turbines have experienced symptoms including decreased quality of life, annoyance, stress, sleep disturbance, headache, anxiety, depression, and cognitive dysfunction. Given the size of the proposed towers for this development, there is no precedent for how far these effects may extend, and given the extremely close proximity to the town, it could very well be wide spread,

I must highlight, that I am certainly in favour of renewable energy and innovative ideas to improve sustainability and minimize our carbon footprint. However, one must ask if there are more utilitarian means by which this could be achieved. Solar panels, for instance, are far less of an imposition on the landscape and carry none of the health risk potential of wind turbines. With South Australia having vast areas of scarcely populated land, why not utilize this? As opposed to constructing wind turbines in close proximity to regional towns, to the detriment of the surrounding landscape and inhabitants.

I earnestly hope you will consider my views, and the views of many other concerned and distressed local residents in your appraisal of the Neoen Australia Energy Park development proposal for Crystal Brook.

Sincerely,

Millicent Wells



95/

DPTI:scapreps

From: Genevieve Wells <gen.wells@bigpond.com>
Sent: Friday, 29 June 2018 1:33 PM
To: DPTI:scapreps
Subject: Submissions
Attachments: 004.jpg; 001.jpg; 002.jpg; 003.jpg

Hi there

I have been asked to forward the attached submissions by Mark Cunningham from Crystal Brook as he does not have facility to scan and email

I believe he supplied an earlier version of the attached letter with a form earlier in the week but wishes that the letter be replaced by the 2 pages which are attached

Many thanks

Gen

DUPLICATE WITH 164

95/

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Mark Cunningham

My phone number: 041 984 6772

PRIMARY METHOD(s) OF CONTACT:

Email address: markjc1977@gmail.com

Postal address: PO Box 196 Crystal Brook

Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

- ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 451 Hughes Gap Road Postcode 5523

The specific aspects of the application to which I make comment on are: Please see attached

- I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☒ appearing personally
☐ being represented by the following person: _____
(Cross out whichever does not apply)

Date: 26.6.18

Signature: Mark Cunningham

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

My objections to the wind farm component of the Crystal Brook Energy Park.

Size and condensed locations of turbines. Proximity to residents, Bowman Park, which is a tourist destination and the town centre. Current guidelines on such developments are outdated and refer to much smaller structures and need to be reviewed urgently. As an example of such, it is stated by the manufacturer of the turbines to be used, that it is recommended that the structures should be placed no closer than ten blade lengths apart. The distances of the turbines in Neoen's application draft are on average three blade lengths apart. This has the possibility to cause much turbulence and sound magnification and therefore breaching maximum allowed noise levels.

Impact on nearby residents and wildlife. Neoen's application omits many species that inhabit the area and downplays the effect of noise, ground vibration and air turbulence on such species. The disruption on the ecosystem will be significant for animals as well as the residents. I would also like to bring attention to the situation of my neighbour who rents a house owned by one of the hosts. This man, who I have known for 20 years, suffers from acute anxiety and depression and is currently on a disability pension. He has stated to me that he will have to vacate the house so it can be removed, as it is located within the minimum buffer zone for the turbines. This man has very little support and has a very uncertain future should this project go ahead. He has been offered no alternative living arrangements. It is most concerning how this man has been treated by the host and Neoen. It's as if his future and well being is of no real importance.

Interference of local television and Wi-Fi signals. This has the great potential of negatively affecting the running and performance of small business operators (of which I am one) as well as the many school students that need reliable internet for their studies and education. As a father of two, this is most concerning. The area affected by such interference falls within a 10 kilometre radius of the turbines. This includes all of Crystal Brook and Beetaloo Valley.

Devaluation of all nearby properties. Real estate companies across Australia have reported a significant drop in value and sales interest in properties situated near such developments. This has a potentially devastating effect on the futures of all who live there.

Neoen's hasty and erroneous application. It contains many omissions of details and incorrect information. There appears to be much cut and pasting from older applications and reporting not specific to the local area. The company has also been evasive and not forth coming in regards to the sound monitoring data they have collected. It seems they selected mostly host properties to conduct such research while rejecting others simply on the basis of denying the data to be freely available to such properties. Neoen also state that there is much support for the project even though a petition requesting 3 kilometre buffer zones between turbines and residents, gathered approximately 800 signatures in less than a month, was tabled in Parliament in July 2017 by the local minister Geoff Brock. This seems to be conveniently ignored.

Finally, I would like to add my own personal experience. I live on the property that is situated closest to the proposed site, just two kilometres north of Crystal Brook. In April 2017 I demolished the old house that we had been living in since February 2012 as it was becoming too dilapidated to renovate. By the middle of April, I had signed a contract with a local house builder to construct a new dwelling that was to be my family's long term home. At this time, I had not been contacted by Neoen to be informed of their planned development for the area even though most surrounding residents had been notified in February or earlier. Had I been notified at that time, as it was required by the company to do so, I would never have signed up to the building of a new house and thus spent 22 years of my life's savings to do so. I am very upset that Neoen failed to contact me at an earlier time as it would have given me greater options to consider my future should the project be approved.

I only became aware of the planned development by a Beetaloo resident at the end of April. I was contacted by Neoen a few days later seeking permission to conduct sound monitoring at my property. It is my understanding that the company employed by Neoen to collect the data, choose times of the year when farmers are either seeding or harvesting, therefore increasing the ambient sound in the surrounding area. As a group, I and other surrounding residents agreed by email, that our properties could be used, with the conditions that the data be collected by an independent company of our choosing and if that was not satisfactory, that at least the data collected was made freely available to us. Neoen declined us on both these conditions and informed us that we were no longer needed. Most of the data collected was at host properties.

To put it mildly, the last 14 months have been the most distressing and uncertain time of mine and my family's lives. We now feel that the area of the Southern Flinders that we love and have lived around for the last 20 years is at serious risk of being degraded by Neoen's proposal. It is not just the natural environment that we are concerned for but also the future of the whole town. One only needs to know the impact of the wind farm at the town of Waterloo and its desertion by residents to understand this concern.

Please know that I am not opposed to renewable energy and have no objection to the solar energy component of the project. I just feel that when a project of this nature becomes so highly contentious, and has the potential to impact negatively on so many, that it needs to be questioned seriously if it is truly in everyone's best interests.

Sincerely,

Mark J Cunningham.

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: Jason Hoffmann
 My phone number: 111 96 36 2106 Mob - 0431 754 566
 PRIMARY METHOD(S) OF CONTACT: Email address: _____
 Postal address: 101 Darbon TCE Crystal Brook
 Postcode: 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 101 Darbon TCE Postcode 5523

The specific aspects of the application to which I make comment on are: My only issue is that the site will be too big & far in future will interfere with TV reception & the location of the turbines goes against the manufactures recommendations for the positioning of them

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☒ being represented by the following person: Mark Cunningham
 (Cross out whichever does not apply)

Date: 28-6-18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

Applicant:	Iveco Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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My name: El Hopmann
 My phone number: 08 86362106
 PRIMARY METHOD(S) OF CONTACT: Email address: _____
 Postal address: 101 Darbon TCE Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 101 Darbon TCE Postcode 5523

The specific aspects of the application to which I make comment on are: the turbines are too residents and the town and will affect T.V and W.i.s.i reception. Constantly inappropriate area for them and it will affect my racing pigeons

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☒ being represented by the following person: Mark Cunningham
 (Cross out whichever does not apply)

Date: 28.6.18 Signature: El Hopmann
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

My objections to the wind farm component of the Crystal Brook Energy Park.

Size and condensed locations of turbines. Proximity to residents, Bowman Park, which is a tourist destination and the town centre. Current guidelines on such developments are outdated and refer to much smaller structures and need to be reviewed urgently. As an example of such, it is stated by the manufacturer of the turbines to be used, that it is recommended that the structures should be placed no closer than ten blade lengths apart. The distances of the turbines in Neoen's application draft are on average three blade lengths apart. This has the possibility to cause much turbulence and sound magnification and therefore breaching maximum allowed noise levels.

Impact on nearby residents and wildlife. Neoen's application omits many species that inhabit the area and downplays the effect of noise, ground vibration and air turbulence on such species. The disruption on the ecosystem will be significant for animals as well as the residents. I would also like to bring attention to the situation of my neighbour who rents a house owned by one of the hosts. This man, who I have known for 20 years, suffers from acute anxiety and depression and is currently on a disability pension. He has stated to me that he will have to vacate the house so it can be removed, as it is located within the minimum buffer zone for the turbines. This man has very little support and has a very uncertain future should this project go ahead. He has been offered no alternative living arrangements. It is most concerning how this man has been treated by the host and Neoen. It's as if his future and well being is of no real importance.

Interference of local television and Wi-Fi signals. This has the great potential of negatively affecting the running and performance of small business operators (of which I am one) as well as the many school students that need reliable internet for their studies and education. As a father of two, this is most concerning. The area affected by such interference falls within a 10 kilometre radius of the turbines. This includes all of Crystal Brook and Beetaloo Valley.

Devaluation of all nearby properties. Real estate companies across Australia have reported a significant drop in value and sales interest in properties situated near such developments. This has a potentially devastating effect on the futures of all who live there.

Neoen's hasty and erroneous application. It contains many omissions of details and incorrect information. There appears to be much cut and pasting from older applications and reporting not specific to the local area. The company has also been evasive and not forthcoming in regards to the sound monitoring data they have collected. It seems they selected mostly host properties to conduct such research while rejecting others simply on the basis of denying the data to be freely available to such properties. Neoen also state that there is much support for the project even though a petition requesting 3 kilometre buffer zones between turbines and residents, gathered approximately 800 signatures in less than a month, was tabled in Parliament in July 2017 by the local minister Geoff Brock. This seems to be conveniently ignored.

Webb, Lee (DPTI)

From: Leah Stringer <leah.stringer@hotmail.com>

Sent: Friday, 29 June 2018 11:16 AM

To: DPTI:scapreps

Subject: Crystal Brook Windfarm 354/V003/18

Attachments: windfarm.pdf (BEN & LEAH KUPSCH)

REFER TO ~~SA~~ REP # 107

Crystal Brook Energy Park

DPTI:scapreps

From: Ashleigh Kupsch <admin@lynchsaracino.com>
Sent: Friday, 29 June 2018 1:23 PM
To: DPTI:scapreps
Subject: Re: Development 354/VO003/18 Neoen Aust
Attachments: Document (2).pdf

4 more applications — K. LYNCH / T. EDWARDS / J. LYNCH / M. BIERICKX

On Fri, Jun 29, 2018 at 6:50 AM, Ashleigh Kupsch <admin@lynchsaracino.com> wrote:
attached is 6 applications against the proposed windfarm for Crystal Brook

--

Regards, Ashleigh Lynch
Lynch and Saracino Constructions Pty Ltd

--

Regards, Ashleigh Lynch
Lynch and Saracino Constructions Pty Ltd
Ph- 0400278749

99/

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: KARIN LYNCH
 My phone number: 0439835331
 PRIMARY METHOD(S) OF CONTACT: Email address: j.k.lynch@westnet.com.au
 Postal address: PO Box 27
LAURIA - SA Postcode 5480

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 17752 Hebecks Highway Postcode 5480
LAURIA SA

The specific aspects of the application to which I make comment on are:

IT concerns me that there has been a lack of transparency and consultation in regards to the development of this wind farm. The ongoing impact on our health also concerns and aesthetically they are an eye sore and we are at the foot of the Flinders Ranges where we try to promote tourism.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)
 by ☒ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 25/6/18 Signature: K. Lynch
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815 Adelaide, SA 5001 or
 scapreps@sa.gov.au

REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
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My name: Trans Edwards
 My phone number: 0433605088
 PRIMARY METHOD(S) OF CONTACT: Email address: travis-e-edwards03@hotmail.com
 Postal address: PO box 61, Laura, SA
 Postcode: 5480

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 17752 Horrocks Hwy Laura Postcode 5480

The specific aspects of the application to which I make comment on are:

- The effects on local people
- The visual effects - interrupting natural landscapes.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 29-6-18

Signature: Edwards

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scaprepr@sa.gov.au

REPRESENTATION ON APPLICATION

Applicant:	Yeeon Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: JIM LYNCH
My phone number: 0429 632335
PRIMARY METHOD(S) OF CONTACT: Email address: jklynch@westnet.com.au
Postal address: Box 27 LAVERA SA
Postcode 5480

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 17752 HORROCKS HWY Postcode 5480

The specific aspects of the application to which I make comment on are: THEY ARE AN EYE SAW

I ☒ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
(Please tick one)
by ☐ appearing personally
☐ being represented by the following person :
(Cross out whichever does not apply)

Date: 29/6/18 Signature: [Signature]
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scaprep@sa.gov.au

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Veoon Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
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My name: Mariette Dierckx
My phone number: 86632264

PRIMARY METHOD(S) OF CONTACT: Email address: N/A
Postal address: 60 Bristow Street,
LAURA, SA Postcode 5480

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is As Above Postcode 5480

The specific aspects of the application to which I make comment on are:

- concerned about effects on local community.
- will not appeal to tourism and the flinders rangers.
- lack of consultation.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
(Please tick one)
by ☐ appearing personally
☐ being represented by the following person :
(Cross out whichever does not apply)

Date: 29/6/18 Signature: M. Dierckx
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapiers@sa.gov.au

DPTI:scapreps

From: Lesley Nitschke <clinpsychcb@westnet.com.au>
Sent: Friday, 29 June 2018 12:26 PM
To: DPTI:scapreps
Subject: Development Act
Attachments: Development Act 001.jpg

Lesley Nitschke
Practice Manager
Chris Connelly Clinical Psychologist
Ph/Fax: 86362266
E-mail clinpsychcb@westnet.com.au

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: Pauline + Chris Connelly
 My phone number: 0417 400 147 0400 824 883
 PRIMARY METHOD(S) OF CONTACT: Email address: polly.conne@hotmail.com
 Postal address: To Mairs Tce
Crystal Brook SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is To Mairs Tce Postcode 5523
Crystal Brook

The specific aspects of the application to which I make comment on are: This industry is much too close to our town.
The Flinders Ranges, iconic to SA, should not
be damaged by the impact of this industry.
Why don't Neoen put them out to sea where
they want worry anyone! Listen to the

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☐ being represented by the following person : Community concerns please
 (Cross out whichever does not apply)

Date: 29.6.18 Signature: PConnelly
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Leah Wardle <leahwardle1983@gmail.com>
Sent: Friday, 29 June 2018 12:15 PM
To: DPTI:scapreps
Subject: Crystal Brook Energy Park

The Secretary DITP,

I am writing to state my positive view on the Crystal Brook Energy Park. I have recently become aware that the Port Pirie Regional Council are no longer supporting this project and I would like to write as a previous resident of Port Pirie that this project will be the best thing to happen to the town of Crystal Brook and must go ahead. The jobs created, the money brought into the town, the tourism opportunities from visiting this project and the large community grant is only a few positives from this project. The main positive I see is the town of Crystal Brook being at the forefront of the push towards renewable energy. The world cannot continue to burn fossil fuels to create energy to power our homes & businesses. It is unsustainable, damaging our environment and contributing to climate change. Our world simply cannot continue to churn out coal (as a finite resource) to burn for our needs. Whereas the sun will always shine and the wind will always blow to create clean energy through wind and solar. It is the way of the future - but we need to move more quickly towards it before the effects of climate change begin to be more prevalent. Therefore we need to have more energy parks like the Crystal Brook Energy Park proposed by Neoen to create sustainable energy for our environment and our future. Please consider this email as a submission towards my positive view of the Crystal Brook Energy Park.

Kind Regards,
Leah Wardle
Clements Gardens, SA (formerly of Port Pirie)

DPTI:scapreps

From: rlcroser <rlcroser@bigpond.com>
Sent: Friday, 29 June 2018 11:57 AM
To: DPTI:scapreps
Subject: Neoen Wind Towers Proposal near CRYSTAL BROOK SA 5523

To whom this will concern,

Please be advised that as a long time resident of Crystal Brook, and have appreciated it's location Neoen Wind Tower project.

I find it most annoying that Country residents are the **easy targets** of New Wind Tower projects when most (possibly 95%) of the power generated is transferred to City locations.

The initial interruptions of Erecting the towers will be huge, but the ongoing visual and noise impact will dramatically detract from the 'pleasantness' of living in the Crystal Brook area.

The Flinders Ranges currently do not have Wind Towers on any part of them - and as a Tourism destination should NOT have any even considered.

We all know that once a precedent is achieved, the issue becomes a lot easier to convince residents of the NEXT location - further along the Flinders Ranges.

Please do not make the mistake of thinking that Wind Towers are a novelty for Visitors - be they, International, Interstate or Intrastate.

They are 'Springing up' everywhere, **other** than where the huge majority of generated power is consumed - that is Major Cities and large Rural Cities. These locations have far more voices to control and present more justification of objections - in comparison to our sized community.

To offer an alternative, and test this observation, I suggest the Wind Tower Project be relocated to the Mount Lofty Ranges - it would make an ideal tourist destination and have minimal impact on local communities and suburbs with initial construction, and then any ongoing issues - more people and houses to absorb and share the problem.

The Visual and Living Standards of Crystal Brook and the Lower Flinders Ranges will be forever destroyed - Long After the Price is Forgotten.

Unfortunately Local residents have to endure the Infrastructure forever, while the Company operating the project accumulates the profits without seeing the destruction of the environment.

These objections are genuine and heartfelt.

Yours, With Genuine Concern

Leigh Croser Mob: 0408 828 628

CRYSTAL BROOK SA 5523

DPTI:scapreps

From: Bradley & Emily Alm <bradleyemily.alm@gmail.com>
Sent: Friday, 29 June 2018 11:24 AM
To: DPTI:scapreps
Subject: Development Letter

Hello,

Please find attached two letters regarding the development of the wind farm at Crystal Brook. We strongly hope our voice is heard in this matter.

Regards
Bradley & Emily
Alm

106/

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Emily Alm
My phone number: 0419 643 099
PRIMARY METHOD(S) OF CONTACT: Email address: bradleyemily.alm@gmail.com
Postal address: Po Box 159, LAURA
Postcode: 5980

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 2 William St, LAURA Postcode 5980

The specific aspects of the application to which I make comment on are: i believe allowing this go ahead will set a precedent for similar wind towers in the area which we do not want. There will be a huge negative impact to the beautiful landscape of the gateway to the flinders ranges. Believe it will effect housing prices in the area

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission

(Please tick one)

by ☐ appearing personally
☐ being represented by the following person : _____
(Cross out whichever does not apply)

Date: 29/6/18 Signature: Emily Alm
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1615, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Leah Stringer <leah.stringer@hotmail.com>
Sent: Friday, 29 June 2018 11:16 AM
To: DPTI:scapreps
Subject: Crystal Brook Windfarm 354/V003/18
Attachments: windfarm.pdf

Crystal Brook Energy Park

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: Ben and Leah Klupsch

My phone number: 0421769333

PRIMARY METHOD(S) OF CONTACT: Email address: leah.stringer@hotmail.com
Postal address: 32 Mais TCE
Crystal Brook SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 66 Brandis St, Crystal Brook
32 MAIS TCE, Crystal Brook Postcode 5523

The specific aspects of the application to which I make comment on are: We strongly
disagree with the proposed wind towers
for Crystal Brook SA. As they will effect
the value of our properties and general
life style at Crystal Brook. They are far
too big and too close to s

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
(Cross out whichever does not apply)

Date: 23/06/18

Signature: 

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Frome EO <Frome@parliament.sa.gov.au>
Sent: Friday, 29 June 2018 10:58 AM
To: DPTI:scapreps
Subject: FW: re NEOEN Wind Farm development

Good Morning

Please find below submission on behalf of Lisa Lanzi.

Regards

*Yvonne Begg
 Office Manager
 Hon Geoff Brock MP
 Member for Frome*

T: (08) 8633 1210 F: (08) 8633 1758
 Shop C, Ellen Centre
 PO Box 519 Port Pirie SA 5540

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From: Lisa Lanzi [<mailto:lisa.lanzi@bigpond.com>]
Sent: Sunday, 24 June 2018 10:53 PM
To: Lisa Lanzi <lisa.lanzi@bigpond.com>
Subject: re NEOEN Wind Farm development

Dear Politicians,

I write to alert you to my concerns over the plans for a large wind farm by Neoen in the lower Flinders Ranges. I live in Adelaide but have long been a visitor to the mid North.

While I am generally in favour of wind farms and other non-fossil fuel energy sources, I fear the development in the Flinders will be detrimental to this precious icon for South Australia and a valuable tourism destination. Crystal Brook has long been known as the "Gateway to the Flinders" and any development will set a dangerous precedent in allowing further wind farm development right along the range. Isn't it time we protected these valuable areas?

There are many concerns for the human population however the area is a noted hooded robin and lace monitor habitat, let alone the other 84 rare and endangered species within 10km of the project.

I don't understand the obsession with wind power when solar farms would be highly effective and less intrusive. There are also blade-less wind

DPTI:scapreps

From: Frome EO <Frome@parliament.sa.gov.au>
Sent: Friday, 29 June 2018 10:56 AM
To: DPTI:scapreps
Subject: FW: Submission re. Neoen DA for Crystal Brook Energy Park
Attachments: Submission KJ.pdf

Good Morning

Please find attached submission on behalf of Kirstie Jamieson.

Regards

Yvonne Begg
 Office Manager
 Hon Geoff Brock MP
 Member for Frome

T: (08) 8633 1210 F: (08) 8633 1758
 Shop C, Ellen Centre
 PO Box 519 Port Pirie SA 5540

Information contained in this e-mail message may be confidential and may also be the subject of legal professional privilege or public interest immunity. If you are not the intended recipient, any use, disclosure or copying of this document is unauthorised.

From: Kirstie Jamieson [<mailto:kirstie.jamieson@clearmail.com.au>]
Sent: Monday, 25 June 2018 11:51 AM
To: Frome EO <Frome@parliament.sa.gov.au>
Subject: Submission re. Neoen DA for Crystal Brook Energy Park

Dear Geoff,

Please find attached my submission to the State Commission Assessment Panel regarding Neoen's application to develop Crystal Brook Energy Park.

My main objections and concerns regarding this project are -

- that the *visual amenity* of the area will be destroyed
- ongoing *noise* from the wind turbines
- destruction of *habitat and wildlife* corridors
- that the guidelines regarding wind farm development *urgently* need to be updated

Neoen has *dramatically understated the community opposition* to the wind farm component of the project.

I am concerned that there is *transparency in the application assessment process*.

Many residents of both Crystal Brook and Beetaloo Valley have invested life savings and effort into their lifestyle properties, have revegetated and cared for their environment, installed renewable energy on their homes, and live where the dominant sound around them is the sound of birds.

We are understandably devastated by the prospect of losing so much of what we love about where we live.

I don't believe there are currently any onshore wind farms with 240 metre tall turbines anywhere in the world. Most of the turbines in the Mid North are 140 to 180 metres tall and are nowhere near as close to townships as the Crystal Brook Energy Park.

Submission to the State Commission Assessment Panel regarding the application by Neoen Australia Pty Ltd for the development of Crystal Brook Energy Park - Development Number 354/V003/18

I wish to express my objections to and concerns regarding the above development with the hope that they will be taken into consideration by the panel when making their recommendations to the Minister for Planning.

My objections and concerns are -

- that the **visual amenity** of the area will be destroyed
- ongoing **noise** from the wind turbines
- destruction of **habitat and wildlife** corridors
- that the guidelines regarding wind farm development **urgently** need to be updated

VISUAL AMENITY

On page 31 Part 1 of the Neoen Development Application reference is made to the Mid North Region Plan where there is mention of the high value placed on the landscapes of the Southern Flinders Ranges and the anticipated expansion of tourism. The Plan states that planners should ensure **“development is appropriately located, and not in areas that may adversely affect scenic landscapes”**

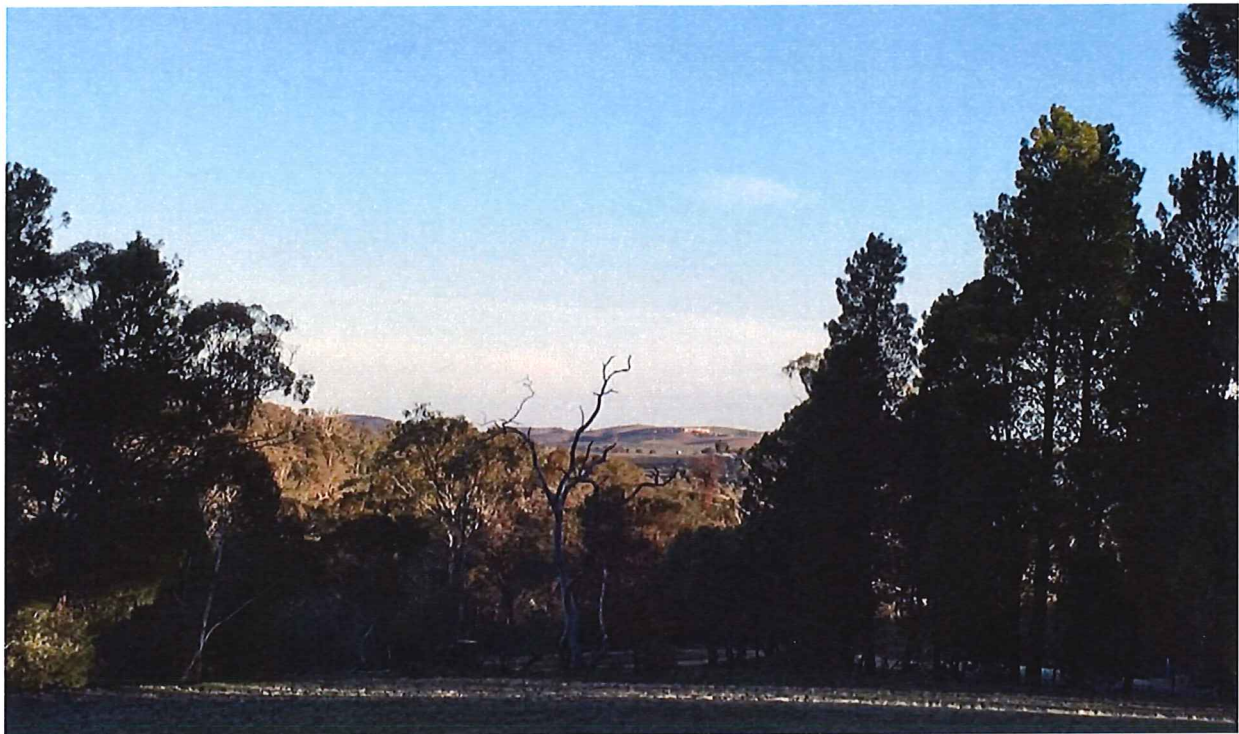
It is the responsibility of wind farm developers and those making decisions about wind farm developments to consider the visual impact.

Without any doubt, twenty-six 240 metre tall wind turbines placed within a footprint of approximately 14 square kilometres on the gentle slopes close to main roads, 3 km from Crystal Brook township and obscuring the view of the southern end of the Flinders Ranges will adversely affect the scenic landscape.

The wind towers will be highly visible from many kilometres away, interrupting the profile of the Southern Flinders Ranges especially from the south and east.

The Landscape and Visual Impact report in Part 2 is an impenetrable document which comes to conclusions about the landscape that are not only misleading (through use of wide angle lens which flatten out the landscape and aerial photography which doesn't give an actual representation as we would see it on the ground) but also has included a photo to demonstrate visual impact from a distance of a different wind farm (page 128) with only 2 towers visible and the towers only 150 metres tall. The report acknowledges that large objects in the landscape can look smaller in photo montages than in real life (page 158). **The photo montages still manage to show how overbearing the towers will be in the landscape.**

Here in the Mid North region we already live with many wind farms lining the ridge tops - there are some places that should be protected from wind farms so that there are still some scenic views that are wind farm free. The Southern Flinders Ranges is one of those places and **the Southern Flinders Ranges start at Crystal Brook.**



This is the southern view from our place (about 7 kms from the proposed wind farm) - almost the entire wind farm will fill that view, with the towers appearing nearly as tall as the trees.

NOISE

Garth Heron, from Neoen, told us all to expect noise - as if that's something that is unimportant, or that we will get used to. Neoen claims that the proposed project site has a strong wind resource but in fact it doesn't fall into the area that the State Government indicates has good wind resource in their Wind Energy Atlas (Renewables SA website). This is why Neoen are proposing such huge wind turbines - to attempt to make the project viable.

I have lived at Beetaloo Valley for the past 13 years and it is not a windy place. It is an extremely quiet place with the predominant sound being that of birds. I am concerned that the sound from the wind farm will become a distressing nuisance with potential to harm my wellbeing and that of my neighbours.

As someone who grew up and spent most of my life in Adelaide, I know what it's like to live with the constant hum of the city which generally has little or no impact on your enjoyment of day to day living. Now that I have **experienced and value the silence of bush life, the potential for the introduction of a highly annoying, repetitive noise into the landscape fills me with sadness.** I have listened to the stories of many people throughout the region who have been negatively affected by the noise from a nearby wind farm. This includes involved landholders who say it was the worst decision they ever made.

Independent researchers at Flinders University are currently undertaking a wind farm noise study to determine whether or not wind farm noise causes sleep disturbance. Their results will not be known for several years but if the study shows that wind farms do cause negative health impacts because of sleep disturbance, how will this be remediated for all of those who currently live near wind farms? **Surely the precautionary principle should apply,** especially in light of the wind turbine size increasing and inadequate EPA guidelines in place for planners to make reasonable and informed decisions regarding setbacks from townships and non-involved houses.

IMPACT ON VEGETATION AND WILDLIFE

One of the reasons many of us love living in the Southern Flinders Ranges is that we are surrounded by a wonderful landscape rich in biodiversity. The ranges provide a precious habitat and wild life corridor that those of us lucky enough to live here can observe.

The ***Summary of EPBC Protected Matters database search*** on page 15 of the Flora and Fauna Survey, shows 20 nationally threatened species, one nationally threatened ecological community and 9 migratory species that will be potentially impacted by the proposed development, listing as the contributing factors -

- removal of habitat/fauna disturbance
- collision associated with turbine operation
- construction activity
- removal of communities within access tracks

Removal of habitat/fauna disturbance

The project area is described as 'predominantly gently sloping land to the west, rising to the elevated undulating terrain of the ranges and valleys to the east. The land is primarily used for cropping and grazing along with areas of remnant woodland and grassland vegetation and contains numerous rocky outcrops.' (Neoen DA, page 7)

What is not well described anywhere in the application is that right in the middle of the proposed project area there is valley through which the Crystal Brook (also called Mercowie) runs through to Bowman Park and then into Crystal Brook township and on into the Broughton River catchment. The creek originates further north in the ranges (Beetaloo Reservoir) but is spring fed in many locations along its path. As such **it is an important corridor for wild life that runs unbroken for many kilometres.**



The creek along this patch is lined with large eucalypts, and there is an escarpment with rocky outcrops along a significant stretch of the creek. I have seen a wedge-tailed eagle's nest in a tree on the ridge line there. The large trees provide refuge, nesting hollows, roosting and hunting grounds.

The area is rich in wild life, especially birds. In table 7 on page 18 of the Fauna and Flora Survey, Painted Button Quail is listed as likely to occur in the area; Bush Stone Curlew and Lace Monitor as unlikely; and Echidna as possible. Only a few weeks ago I saw Painted Button Quail very near the proposed project area. Bush Stone Curlew have been heard (by me) and seen (by other residents of the valley). I have seen echidnas - alive in Beetaloo Valley and dead on Wilkins Highway. Lace Monitors (*Varanus varius*) most definitely roam the riparian zone and have been seen by many residents from Beetaloo Valley and others who live along the ranges towards Crystal Brook township.

With noise levels expected to be 45db(A) or higher within the project area, noise alone has the potential to keep wild life away. Like humans, animals have ears.

Most significantly, with the riparian zone being surrounded by turbines on all sides, the passage along the system will be interrupted. There is potential for that to have a catastrophic impact on the wild life.



On page 48 of the Flora and Fauna Survey, it states that the “mallee vegetation on the eastern side of the Mercowie Creek was intact and in moderate condition with substantial understory species diversity despite evidence of ongoing grazing. **While this area was not surveyed extensively, the area is considered to be of high conservation value due to the likelihood of annual and ephemeral threatened species being present as well as being a substantially intact patch to which any fragmentation would reduce local biodiversity values through increased edge effects, disruption of animal movement pathways and potential changes in hydrology**”

With ‘knowledge so poorly captured in the BDBSA (Biodiversity Database of SA).....there is uncertainty in relation to the status of species, and additional species are likely to occur that are not reflected in the database records’ (page 13, Flora and Fauna Survey).

There is a great danger that significant damage will be done, and we won't even know what we've lost!

Collision associated with turbine operation

As mentioned in the Flora and Fauna Survey, Wedge-tailed Eagles live in the area and I regularly see them patrolling along the ranges. Known nests exist in the middle of the proposed project area and although a 500 metre buffer zone is recommended, I believe this will not provide protection for these and other raptors.

The proposed 240 metre height of the towers with a blade sweep of 19,600 m² placed so closely together will provide little opportunity for birds to avoid harm.

Other large raptors such as the Spotted Harrier and Brown Falcon live along the ranges, as do many species of bat.

Construction activity

The construction activity required to transport such large wind turbine components to site would inevitably cause major disturbance to the environment and the animals that live in it. Constructing access roads, hardstands, laydown areas and excavation for underground cabling would negatively impact most of the site including areas of high conservation value.

Activity in the Crystal Brook (Mercowie) and along the escarpment would cause catastrophic harm. Local knowledge tells us that construction teams pay little regard to sensitive areas once construction commences.

Removal of communities within access tracks

With such large turbines in a relatively small footprint, the number of access tracks needed to construct and service the site would severely degrade and fragment the existing vegetation. The impact on plant and animal communities would be devastating.

NEED TO UPDATE GUIDELINES

The current EPA Guidelines were written in 2009 and are in urgent need of review and upgrading.

In light of the unprecedented height and increased capacity of the proposed wind turbines, setbacks from townships and non involved houses should surely be greater.

Until that review has been undertaken, the precautionary principle should apply.

Wind farm planning policy has not been reviewed since 2011.

It is shameful that development continues to go ahead at any cost when the genuine concerns of regional people go ignored. Surely there are solutions to be found that will not cause harm to those who choose to live in regional areas.

Personal note: Our community at Beetaloo Valley has been battling to protect the Southern Flinders Ranges from development for many years now. ***It shouldn't be expected that our rights to a peaceful rural lifestyle must be fought for, year after year.***

SOME COMMENTS ON COMMUNITY CONSULTATION

Neoen's assertions about community support and community consultation are misleading. While representatives of Neoen did meet with Beetaloo Valley residents on quite a few occasions, they were often unable to answer our questions (many have remained unanswered) or they gave patronising answers to questions. Neoen would have been aware of the local opposition to the Origin wind farm proposal prior to meeting with residents. They offered us our own community fund to try to get us onside. We unanimously refused their offer.

Not including involved landholders (one in Beetaloo Valley) nearly every resident of Beetaloo Valley is opposed to the wind farm component of the project. Residents of Beetaloo Valley, Crystal Brook and Laura had fence signage on their properties all of which was stolen in the middle of the night before Easter 2017. The police have not found who did it.

The Fairfax Media poll mentioned on page 3 Part 1 does not reflect the views of the those living closest to the proposed development. Although the poll was in the local media, it was available online to the entire Fairfax Media network.

The final community consultation in Crystal Brook took place within a week of the due date for Neoen to submit their DA. Not really a consultation - more of a display of the project. The methods used to consult with Crystal Brook residents about the project have been poor, and many residents who will be directly impacted by the development didn't find out about it from Neoen but from others who alerted them.

Neoen fail to mention the petition that was tabled in the SA Parliament by Minister Geoff Brock in July 2017 calling for increased set backs from wind farm developments, nor have they mentioned the media coverage and other delegations to local and state government representatives to voice local concerns and opposition. The petition was initiated by a 17 year old resident of Crystal Brook whose family has just completed building their family home on the hills of the Southern Flinders Ranges, to find that they are potentially the closest non-involved residence to the wind farm. They are devastated.

TRANSPARENCY

It has been noted that the Presiding Member of the SCAP, Simone Fogarty, works for GHD, the consultants who put together the Neoen Development Application. Simone Fogarty signed off on some of the documents for Neoen's Hornsdale Stage 3 DA and declared a conflict of interest during the SCAP assessment process. Therefore it is important for the sake of transparency that all GHD documents are correctly signed off - this is not the case for this application. Cover sheets on pages 281 and 406 of Part 2 are not signed. It is important that we know who signed off on these documents.

SUMMARY AND CONCLUSION

My objections and concerns are -

- that the **visual amenity** of the area will be destroyed
- ongoing **noise** from the wind turbines
- destruction of **habitat and wildlife** corridors
- that the guidelines regarding wind farm development **urgently** need to be updated

Neoen has **dramatically understated the community opposition** to the wind farm component of the project.

I am concerned that there is **transparency in the application assessment process**.

Many residents of both Crystal Brook and Beetaloo Valley have invested life savings and effort into their lifestyle properties, have revegetated and cared for their environment, installed renewable energy on their homes, and live where the dominant sound around them is the sound of birds.

We are understandably devastated by the prospect of losing so much of what we love about where we live.

I don't believe there are currently any onshore wind farms with 240 metre tall turbines in the world. Most of the turbines in the Mid North are 140 to 180 metres tall and are nowhere near as close to townships as the Crystal Brook Energy Park.

The proposed wind farm component of the Crystal Brook Energy Park is too tall with turbines too close to each other, too close to Crystal Brook and other non-involved residences, and too likely to have a harmful environmental impact.

Furthermore it is imperative that the panel consider their **duty of care** in relation to the assessment of this project in the light of inadequate guidelines, and proximity to and impact on the important scenic landscape of the Southern Flinders Ranges.

I sincerely hope that the panel will hear my objections and concerns.



Kirstie Jamieson
696 Beetaloo Valley Road
Beetaloo Valley SA 5523
kirstie.jamieson@clearmail.com.au

All photographs were taken by me

DPTI:scapreps

From: Rick and Sue Connor <ricknsueconnor@hotmail.com>
Sent: Friday, 29 June 2018 9:30 AM
To: DPTI:scapreps
Subject: Crown development representation on application
Attachments: Ricky Connor.pdf

Please find the form filled and signed.

Regards,

Ricky Connor
0412 729 709

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Ricky Connor
My phone number: 0412729709
PRIMARY METHOD(S) OF CONTACT: Email address: ricknsuecconnor@hotmail.com
Postal address: _____
Postcode: _____

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is lot 53 Talbats Rd Crystal Brook Postcode 5523

The specific aspects of the application to which I make comment on are: _____

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)
by ☐ appearing personally
☒ being represented by the following person : Nelson Magor
(Cross out whichever does not apply)

Date: 29/6/18 Signature: [Signature]
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DEVELOPMENT ACT, 1993, 549/549A - CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: NELSON MALOR
My phone number: 0407284388

PRIMARY METHOD(S) OF CONTACT: Email address: _____
Postal address: PO Box 127 CRYSTAL BROOK
Postcode: 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is LOT 53 TALBOTS RD Postcode: 5523
CRYSTAL BROOK SA

The specific aspects of the application to which I make comment on are: _____

-REDUCED PROPERTY VALUE
-HEALTH ISSUES (LIGHT SLEEP) STRESS!!!
-TOO CLOSE TO HOMES/TOWNSHIP
-EYE SORE/REDUCED TOURISM

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)
by ☐ appearing personally
☒ being represented by the following person : _____
(Cross out whichever does not apply)

Date: 26/6/18 Signature: [Signature]
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreprs@sa.gov.au

DPTI:scapreps

From: Nelson Magor <Nelson.Magor@sapowernetworks.com.au>
Sent: Friday, 29 June 2018 6:15 PM
To: DPTI:scapreps
Subject: Energy park
Attachments: 20180629141218828.pdf; ATT00001.txt

Please find attached more forms from those opposed to the energy park at Crystal Brook.

This email and any file attachments are highly confidential. If you have received this email in error please notify the sender and delete the email. You should note the contents of the email do not necessarily represent the views of SA Power Networks, nor can we guarantee that the email is free of any malicious code. If you have any doubts about the source or authenticity of the email, please contact us on 13 12 61.

DPTI:scapreps

From: Lauren Kerin <lauren.kerin@bigpond.com>
Sent: Friday, 29 June 2018 8:57 AM
To: DPTI:scapreps
Subject: Crystal Brook Energy Park
Attachments: 1.pdf; 2.pdf

Please find attached 2 forms regarding the proposed Crystal Brook Energy Park.

Regards,

Lauren Kerin
Ph. 0409331105

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Lauren Kerin
 My phone number: 0409 331105
 PRIMARY METHOD(S) OF CONTACT: Email address: lauren.kerin@bigpond.com
 Postal address: PO Box 339
Crystal Brook Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 37 The Cattle Track Crystal Brook Postcode 5523.

The specific aspects of the application to which I make comment on are:

① The proximity to houses - will be approx 4.5km from our home. ② The noise - 240m towers will be louder than the Clements Gap turbines - & much closer to homes. ③ The view! Beautiful Flinders Ranges will lose their appeal. Australia is a BIG place, no need for this to be on our door step.

☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)
 by ☒ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 24/6/18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreprs@sa.gov.au

DPTI:scapreps

From: Surace, Jessie (DPTI)
Sent: Friday, 29 June 2018 8:45 AM
To: DPTI:scapreps
Subject: FW: Lynne letter.docx
Attachments: Lynne letter.docx; img007.pdf

From: David & Lynne Christophersen [mailto:lyndave6367@bigpond.com]
Sent: Thursday, 28 June 2018 9:01 PM
To: admin@saplanningcommission.sa.gov.au; frome@parliament.sa.gov.au
Subject: FW: Lynne letter.docx

Kind Regards,
David and Lynne Christophersen
Managing Directors
Christophersen Bulk Transport
Phone: (08) 8667 2003
Mobile (David): 0428 566 946
Mobile (Lynne): 0427 672 003
Postal Address: PO Box 104 Booleroo Centre SA 5482

From: David & Lynne Christophersen [mailto:lyndave6367@bigpond.com]
Sent: Thursday, 28 June 2018 8:44 PM
To: 'scapreps@sa.gov.au'
Subject: Lynne letter.docx

Please find attached my submission form opposing the Wind Tower submission for Crystal Brook

Regards

Lynne Christophersen

DM & LP Christophersen

Box 104

Booleroo Centre SA 5482

Email: lyndave6367@bigpond.com

It is with major concern that I write regarding the submission of the Wind Tower Farm Neoen is proposing 3.7kms north of Crystal Brook. My husband and I are land owners at Booleroo Centre and Murraytown, we also run a Transport Business carting grain and fertiliser to and from Adelaide and including Grainflow at Crystal Brook.

After reading the submission and although not a resident of Crystal Brook I hold grave concerns that if the wind farms are not stopped then they will keep moving further north. We have been made aware that test towers are already in place near Murraytown. We live in such a beautiful area and I cannot understand why anyone would want to put these great big ugly towers at the start of the "Gateway to the Flinders Ranges". Our family travels to Jamestown quite often and when going over Blue Hill my first impressions of seeing what happened there was utter disgust and that a holocaust like situation has taken place. I would be gutted and so disappointed if I was a resident of Jamestown and know for a fact that the locals were not told a lot of the truth of the affects this would place on their community. In fact one land owner 10kms away is shocked at the noise they create from his property. The towers being proposed for the Crystal Brook project are double the size, seriously then, how bad is that loud whirling sound going to be??

As transport operators the proposed route for the blades to get to the site is of a MAJOR concern as the road will be blocked off by police frequently. The disruption that will cause for access too Grainflow will be terrible. With 80 metre blades being transported in to the site access point on top of Hughes Gap it will be a huge disruption for our business. At what point are locals taken into consideration as this will be massive and could severely affect Grainflow's in-take as more farmers will chose Glencore at Gladstone to save any hassle and a lot of time. We for one will certainly do this and will encourage any of our customers to use Gladstone instead f Crystal Brook. Getting the crop off quickly is of utmost importance.

My nephew has spent the past 10yrs working away in the mining industry and has worked very hard to purchase a block of land on the Talbot Rd with plans to build a house very soon on this beautiful block backing the creek. I feel so sad for him if the wind farm goes ahead then his view will be a whopping big, noisy, ugly invasive tower instead of the beautiful view looking north over the hills. Selling the block will not be an option as the real-estate will have devalued considerably.

Fire risk is of a paramount concern as we all know fire bombers are called in quite quickly these days as many fires have flamed out of control in an instant, this is because of all of the vegetation around now with the changes in farming techniques. How are these going to be fought?

The Crystal Brook residents should be very concerned with the tower proposal being within 3kms of their township. With the towers being double the size and placed a lot closer together than those at

Hornsdale there is just too many unknowns! This project will divide the residents of Crystal Brook if it goes ahead. As a person who lives not far away my husband and I have both said that to drive over "The Gap" and focus on something so horrible and ugly would be absolutely terrible. We would probably go down the middle through Balaklava a lot more often and therefore not spend in Crystal Brook as much.

I struggle to understand how this proposal has ended up this far. I thought any council with some commonsense would have already seen all of the disadvantages of this Wind Tower Project and not allowed a large company like Neoen to bully them into something that will in turn affect the entire Mid North. The very kind offer of \$80,000 to the community is a joke, taking in account what Neoen stand to make over the coming years. I would consider this worth nothing for all of the damage that will be done if you allow these towers to go ahead.

THIS WIND TOWER PROJECT NEEDS TO BE STOPPED

Lynne & David Christophersen

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Lynne Patricia Christopherse
 My phone number: 0427672003
 PRIMARY METHOD(s) OF CONTACT: Email address: lynchue6367@bigpond.com
 Postal address: PO Box 104
Booleroo Centre Postcode 5482

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is Hughes Gap Postcode 5523

The specific aspects of the application to which I make comment on are:

- stopping towers heading further north into Flinders Range
- Family disappointment after buying block, staring at fence
- Fire Risk. Unable to use water bombers
- Transport operators inconvenience to grainflow site
- Incredibly ugly, huge holocaust like towers in the mid north.

☐ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☐ being represented by the following person: _____
 (Cross out whichever does not apply)

Date: 28/6/18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Surace, Jessie (DPTI)
Sent: Friday, 29 June 2018 8:44 AM
To: DPTI:scapreps
Subject: FW: Crystal Brook Energy Park
Attachments: Crystal Brook Energy Park June 2018.pdf

From: Ian and Rachel Jones [mailto:rachnianjones@bigpond.com]
Sent: Thursday, 28 June 2018 9:43 PM
To: admin@saplanningcommission.sa.gov.au
Subject: Crystal Brook Energy Park

Dear Mr Anderson,

Please find attached a copy of our submission (for your information) to the State Commission Assessment Panel for the Crystal Brook Energy Park.

Thanks for your valuable time,

Regards

Ian & Rachel Jones

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

From: "Ian and Rachel Jones" <rachnianjones@bigpond.com>
To: scapreps@sa.gov.au
Sent: Thursday, 28 Jun, 2018 At 21:34
Subject: Crystal Brook Energy Park

Dear Sir/ Madam,

As per attached.

The attachment is for the attention of:
The Secretary,
State Commission Assessment Panel,
GPO Box 1815,
Adelaide, SA, 5001.

Please do not hesitate to contact either Rachel or myself with any further questions.

Thanks,

Yours faithfully,

Ian Jones
Crystal Brook

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: IAN GORDON JONES & RACHEL LOUISE JONES

My phone number: 0428 524 923

PRIMARY METHOD(S) OF CONTACT: Email address: rachnianjones@bigpond.com
Postal address: PO BOX 79
CRYSTAL BROOK, SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 49 GOULTER RD Postcode 5523
CRYSTAL BROOK

The specific aspects of the application to which I make comment on are: 1. PUTTING WIND TOWERS
ON ARABLE LAND 2. FIRE FIGHTING TO THE NORTH &
EAST OF CRYSTAL BROOK. 3. TOURISM 4. THE
"SLOGAN" FOR CRYSTAL BROOK, 5. INTERRUPTION TO THE
NBN WIRELESS SERVICE 6. NATIVE WILDLIFE 7. TV
RECEPTION, 8. SIZE OF STRUCTURES 9. HOUSE VALUES.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☒ being represented by the following person :
(Cross out whichever does not apply)

Date: 28/6/18 Signature: [Signature]
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

Submission re: Proposed Energy Farm at Crystal Brook

Ian and Rachel Jones, 49 Goulter Road, Crystal Brook, SA, 5523

Our compliments to the initial land holders for taking the foresight to invest time and energy into this project.

There is most definitely a requirement of investment in our regional areas and community.

There are some concerning factors regarding the project from a personal, community and safety point of view as listed below:

1. Tourism

The impact on the "long term tourism" of this project is a "major topic" of discussion.

The key is if we see Crystal Brook as a "Flinders Ranges" tourist town or as a "Renewable Energy" tourist town?

Our natural environment and surrounds as a tourist attraction, cannot be restored once this project has commenced.

2. Firefighting

Due to our home location in Crystal Brook, we can most definitely confirm the wind speeds that are required for the project!

We can average 5-15km per hour greater winds on Goulter Road vs the centre of Crystal Brook.

This brings a large concern of ours with reference to fire fighting. Ian has assisted with the Bangor, Beetaloo Valley, Sampson Flat and other fires as a CFS volunteer in recent times.

Whilst there will be greater access to the CFS via ground units if the project goes ahead, Ian personally would not like to be in the path of a fast moving wild fire, with the thought of no back up aerial fire fighting assistance.

The greatest concern to fire safety in Crystal Brook is a fire travelling towards Crystal Brook from the North & East.

Hence why the "bushfire safer places" in Crystal Brook, do not include the Crystal Brook Hospital and many of the north and eastern areas of the township.

In our opinion, the vicinity of the project to the township and houses, does not allow a significant flat area or "aerial

bombing area” to control a fast moving wild fire (we would need the aerial assistance!).

3. The “Slogan” for Crystal Brook

Crystal Brook, according to many of its residents, is:

“Where the Flinders begins” or “The Southern Gateway to the Flinders Ranges”.

When Ian first came to Crystal Brook in 1999, Ian joined the Crystal Brook Development Board as one of his first community involvements.

Ian was told the above “slogans” represented Crystal Brook, and where the passionate community members believed the town fitted in the region.

Ian was born and bred in the Melrose area, and Rachel at Crystal Brook, so we both feel very protective over the beautiful Flinders Ranges and its tourism potential. Many who visit our house are “overwhelmed” by the view and magnificent natural beauty that surrounds our town.

Does having a renewable energy project on the north side of Crystal Brook, provide an appropriate “gateway” to the Flinders Ranges?

Could we potentially lose tourists to the Crystal Brook area, by having the “gateway” as a farm of wind towers?

4. Arable Farming Land

The encroachment on arable sustainable farming land is a concern of this proposal.

Ian is an agronomist in the region, and this use of arable land would set a very interesting precedent that could significantly influence “realistic” land values.

Should we be using valuable farming land, (food producing land), for green energy generation?

What will the impact on rural land values be locally?

5. Interruption to NBN Fixed Wireless Service

Our location in Crystal Brook means we cannot access the “copper network” NBN service.

We are only able to access the NBN Fixed Wireless service.

Telstra and NBN have advised us that into the future we will need to consider the Fixed Wireless service, as they will not be upgrading the "copper network" up to Goulter Road.

From the advice given to us, if the project proceeds, we are not guaranteed that we will be able to consistently access the NBN Fixed Wireless service, even though our house is within 1km of the NBN tower and at a similar elevation.

6. Native Wildlife

Ian knows farmers who live close to the new Hallett windfarm located on the western side of Hallett.

The construction phase of this wind farm project has just commenced.

The people have experienced an increase in kangaroo numbers (mobs of 50-60), in cropping paddocks.

They are doing significant "damage" to crops.

They also advised that they had experienced their first mob of emus in cropping paddocks.

What happens to both these animals when driven from their natural habitat?

How will the adjoining landholders control their presence in their arable cropping areas if the project proceeds?

Will wildlife exclusion fencing be required around the wind farm?

With major roads around the location of the Crystal Brook windfarm project, will the increase of wildlife, (Kangaroos/ Emus), be an acceptable additional risk on our road ways?

7. TV Reception

We value our home's beautiful North and West views with a fantastic view of the Southern Flinders ranges and Bluff.

It is interesting to note our TV reception is likely to be impacted.

It seems ironic that with a clear, uninterrupted view of the Bluff, we may not get reception!

8. The Size of the Structures

From our location in Crystal Brook, we can regularly see the "Smelters Stack" at Port Pirie. This is a magnificent site at night from our location, and it amazes us how the structure stands out from such a distance!

The size of the proposed wind towers concern us, especially when put alongside the "Smelters Stack", and the overall impact on the northern amenity area of Crystal Brook.

9. House Values

Approximately one year ago Ian approached the local real estate agency for an assessment, if the initial wind tower project went ahead.

They were very uncommitted to say the value would be impacted, but indicated that there would not be necessarily a positive upside for our location if the project went ahead.

We are often complimented that we have a lovely uninterrupted north and west view in Crystal Brook, but this could be greatly impacted with such a large infrastructure development on the northern area of Crystal Brook.

How do you quantify the impact of a project such as this, on overall home values, that are greatly influenced by the potential man made changes to the landscape?

Thank you for your valuable time.

Yours faithfully,

Ian & Rachel Jones

DPTI:scapreps

From: Ashleigh Kupsch <admin@lynchsaracino.com>
Sent: Friday, 29 June 2018 6:50 AM
To: DPTI:scapreps
Subject: Development 354/VO003/18 Neoen Aust
Attachments: CCF06292018.pdf

attached is 6 applications against the proposed windfarm for Crystal Brook

--

Regards, Ashleigh Lynch
Lynch and Saracino Constructions Pty Ltd

Webb, Lee (DPTI)

From: Ashleigh Kupsch <admin@lynchsaracino.com>
Sent: Friday, 29 June 2018 6:50 AM
To: DPTI:scapreps
Subject: Development 354/VO003/18 Neoen Aust
Attachments: CCF06292018.pdf

attached is 6 applications against the proposed windfarm for Crystal Brook

M. LYNCH / B. WHITE / G. LYNCH / A. BOWMAN / A. LYNCH / C. LYNCH,

--

Regards, Ashleigh Lynch
Lynch and Saracino Constructions Pty Ltd

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Michael Lynch
 My phone number: 0408780367
 PRIMARY METHOD(s) OF CONTACT: Email address: michael@lynchsaracino.com
 Postal address: PO Box 133
Laura Postcode 5480

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 180 Possum Park Road Postcode 5480

The specific aspects of the application to which I make comment on are: these are way too close to the town & the aesthetic of the area will be ruined. Quality of life will be harmed by noise & affect sleep, also the fact that internet & phone lines will be disrupted.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 27.6.18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

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My name: Brittany White

My phone number: 0431423584

PRIMARY METHOD(S) OF CONTACT:

Email address: britts1711@hotmail.com

Postal address: 50 Nicolson Ave Whyalla

Postcode 5600

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

- ☐ owner of local property
☐ occupier of local property
☒ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 44 Victoria Street Postcode 5480

The specific aspects of the application to which I make comment on are:

lack of community consultation, and they are
aesthetically NOT pleasing. The noise, and
side effects of community members.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
(Cross out whichever does not apply)

Date: 28/6/18

Signature: 

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

117/

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

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Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Phone Number:	7109 7066
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My name: Gabs Lynch

My phone number: 0416220335

PRIMARY METHOD(S) OF CONTACT: Email address: _____

Postal address: _____

Postcode _____

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

- ☐ owner of local property
- ☐ occupier of local property
- ☐ a representative of a company/other organisation affected by the proposal
- ☒ a private citizen

The address of the property affected is 180 possum park road Postcode 5480

The specific aspects of the application to which I make comment on are: these turbines are going to ruin this area! I regularly bring people back home to Laura who have never been to the area and the last thing I want them to see on the beautiful drive is these horrible looking turbines

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☐ being represented by the following person : _____
 (Cross out whichever does not apply)

Date: 27/6/18 Signature: _____

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
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My name: Alyse Edwards
 My phone number: 0430 419 738
 PRIMARY METHOD(s) OF CONTACT: Email address: alyse-lynnch7@gmail.com
 Postal address: PO Box 61, Laura, SA
 Postcode: 5480

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☐ occupier of local property
☒ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is Laura, SA Postcode 5480

The specific aspects of the application to which I make comment on are: mental health of local citizens. Aesthetics of the Flinders ranges and surrounding areas. It is felt there was a lack of transparency within consultation.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 28/6/18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

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My name: Ashleigh Lynch
 My phone number: 0400278749
 PRIMARY METHOD(S) OF CONTACT: Email address: admin@lynchsaracino.com
 Postal address: PO Box 133
Laura Postcode 5480

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 180 possum park road Postcode 5480

The specific aspects of the application to which I make comment on are: I have lived in this beautiful town until recently, those beautiful hills "the gateway to the flinders rangers" is going to be destroyed! I live in Laura and the last thing I want is to see these from my backyard. Having your 4 year old daughter so upset about these being near Bowmans Park is heart breaking enough.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☐ being represented by the following person : _____
 (Cross out whichever does not apply)

Date: 26.8.18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
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Contact Officer:	Lee Webb
Phone Number:	7109 7066
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My name: Cecilia Lynch
 My phone number: 0437300359
 PRIMARY METHOD(s) OF CONTACT: Email address: c-lynch@y7mail.com
 Postal address: _____
 Postcode: _____

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is Laura, SA Postcode 5480

The specific aspects of the application to which I make comment on are: _____

- concern of lack of research & evidence about effects.
- concerns RE requirements around turbines given increase size.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)
 by ☐ appearing personally
☐ being represented by the following person : _____
 (Cross out whichever does not apply)

Date: 28/6/18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Janet Redden <janet.redden@icloud.com>
Sent: Thursday, 28 June 2018 11:51 PM
To: DPTI:scapreps
Cc: DPTI:Minister Knoll; admin@saplanningcommission.sa.gov.au; DEM:Minister Dan van Holst Pellekaan; frome@parliament.sa.gov.au; mayor@pirie.sa.gov.au; kjackson@pirie.sa.gov.au; nwilson@pirie.sa.gov.au
Subject: Submission re objection to Crystal Brook Energy Park (354/V003/18)
Attachments: CCF_20180628_000005.pdf

To Whom it May Concern,

Please find attached my submission for objection to the proposed Crystal Brook Energy Park to be constructed by Neoen Australia Pty Ltd (development number 354/V003/18). My email below is outlined in brief on the submission attached also.

Let me begin by saying that I am vehemently opposed to the Crystal Brook Energy Park proposal. Like many others I have discussed this with, I am not against renewable energy. However, there are appropriate locations for such projects, and on the outskirts of a town and in such close proximity to existing residences, is not one of them.

My main reasons for objecting are as follows:

- Visual impact of 26 wind turbines that are 240m high. Crystal Brook is well known and promoted as the Southern Flinders Ranges, and also the Gateway to the Flinders Ranges. The placement of 26 towers of significant height (240m) will be unsightly to a beautiful scenic feature just north of the town and leading into the Flinders Ranges, a main tourist area of South Australia. The Heysen Trail also winds its way through the area where the towers will be located. Many residents who have purchased land/properties in the Talbot Rd, John St area have purchased due to the scenic and rural outlook, and have paid for this accordingly. This proposal (wind towers specifically) will significantly detract from their scenic visual outlook. I was advised by Neoen representatives that from our property (55 Bowman Street Extension – on an eastern extension of the town's main street, and faces northwards), that we will see a significantly altered skyline with dominating wind turbines. My understanding is also that the wind towers will be located in close proximity to each other (3 rotor blade widths apart), which will further increase the density of the visual impact.
- Health impacts of wind turbine infrasound. What physical health impact of towers that are so large and such an increased output (compared to other wind farms) are truly known?? As a person who suffers vertigo and migraines I am very concerned of the infrasound low frequency vibrations that these turbines will emit, and how this will affect myself, my health and also that of my children. Having heard firsthand of people who live near other wind farms who suffer from nausea and sleep disturbances, this is of significant concern to me. In addition to physical health impacts mental health is a concern – in particular the stress of this proposal that has already occurred for many of the closest residents who will be most affected.
- Devaluation of properties. For many of us our home is our main (and only) asset. To face a reduction in value of our properties due to the proximity of these towers is alarming. Nearby residents face the prospect of significantly decreased property valuations, or when trying to sell their property lack of potential buyers due to towering wind turbines nearby. In an already depressed regional real estate market, houses will continue to take months (or years) to sell, if they can be sold at all.
- Interference to Television/Radio signal and Internet services. The application states that television and internet services may be affected, with the alternative option to transfer to satellite based services.

For many residents this will be a financially unviable and limiting option. Internet services that are degraded will severely impact businesses in the town.

- Impact on native wildlife. One of the first things I noticed when moving into our newly built house 4 years ago (previously from Stanley Street, Crystal Brook) was the increase in birdlife and wildlife that we frequently have on and around our property. Grass parrots, galahs, kookaburras, kangaroos and lizards frequently pass through our property and provide joy to our children who love the fact that we live in a rural residential location, yet within walking distance to the main street. I am concerned that the 26 wind turbines will deter wildlife and birdlife such as this, as others have commented to me that they have noticed a decline in wildlife near other windfarms (Clements Gap).

Lastly, it deeply saddens me that this proposal has divided our community. Since moving to Crystal Brook in 2007 I have witnessed firsthand what a tightknit community it is. Crystal Brook is a town proud of its heritage, its sporting achievements, one that strives to look after its own, with residents that pride themselves on being from "The Brook". Unfortunately, due to a handful of people (host landholders) who have pursued this project with Neoen, the resulting impact has been significantly damaging effects on the core of this town and community – its people. This windfarm proposal I fear has caused a large rift amongst lifelong friends, one that may take a long time to recover.

I urge you to reject this application based on the numerous objections that I'm certain have been lodged in addition to my own, for the many reasons I have already outlined, but also importantly for the future of our community.

Kind Regards,

Janet Redden

0418 856 946

55 Bowman Street Extension (PO Box 93)

CRYSTAL BROOK SA 5523

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Janet Redden
 My phone number: 0418 856 946
 PRIMARY METHOD(S) OF CONTACT: Email address: janet.redden@icloud.com
 Postal address: PO Box 93
Crystal Brook SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 55 Bowman St. Extension Postcode 5523
Crystal Brook SA

The specific aspects of the application to which I make comment on are:

Objections to application in relation to: detrimental
visual impact; health impacts (physical and mental)
of wind turbines; devaluation of properties;
TV/radio signal and internet service interference; impact
on native wildlife; impact on community cohesiveness.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ ~~appearing personally~~
☒ being represented by the following person : To be Advised
 (Cross out whichever does not apply)

Date: 25/6/2018

Signature: [Signature]

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Emma Richards <emmalukerichards@gmail.com>
Sent: Thursday, 28 June 2018 11:21 PM
To: DPTI:scapreps
Subject: Support for Propsed energy park Crystal Brook
Attachments: Neoen project support letter.docx

To the Secretary,
Please see attached letter in support of the Neoen Crystal Brook Energy Park.
Kind Regards
Emma Richards

Emma Richards
8 Bowman St, Crystal Brook, SA 5523
0431581602
emmalukerichards@gmail.com

15/6/2018

To The Secretary, State Commission Assessment Panel – Department of Planning, Transport and Infrastructure,

RE: Application for Development No: 354/V003/18 – Crystal Brook Energy Park

As a local citizen of Crystal Brook who has resided in the Port Pirie regional council area her whole life I am writing in support for the Crystal Brook energy park as proposed by Neoen. The Crystal Brook energy park made up of solar and wind power, along with battery storage will use cutting edge technology to provide up to 750,000 megawatts of safe, clean sustainable energy every year. The energy provided will go straight back into South Australia's energy grid – which is desperately needing increased energy sources to keep up with the States increasing energy needs and decrease strain on the system and decrease the incidence of blackouts. Battery storage will further provide extra energy needed during peak times in summer months decreasing the need for load shedding and interruption of power when it is needed the most i.e. heatwaves. Energy prices are rising as the need for power outstrips our ability in this state to produce it. Old outdated energy technologies such as coal-fired power stations are closing, such as the local Port Augusta Power station or working at decreased capacity as they age. South Australia desperately needs more energy sources that are cheap to run to keep costs down for the consumer and are sustainable to continue to provide power as the states energy needs will continue to rise. We have the answer right here – with the Crystal Brook Energy Park - a local, sustainable, high energy producing power provider selling cheap straight into the grid.

This state of the art project will be an asset to our town. It will ensure the towns economic future and put Crystal Brook on the map. I can see tourism opportunities being created with international interest in the new technology being built. We have already hosted officials from Korea and renewable energy supporter Tesla CEO Elon Musk, Shining the spotlight on the small town of Crystal Brook. The increased job prospects for the town and state will further boost the economy and help the high unemployment rates we are currently battling in the small rural towns in the area.

I am a firm supporter of renewable energy - as sustainable energy is the way of the future - and I applaud the South Australian government for backing this sustainable energy project. Climate change is the biggest disaster and global threat of our generation and is up to us to make positive steps towards reversing its impact. Burning fossil fuels i.e. coal fired power stations has scientifically been proven to be the main cause for climate change so therefore the move to renewable energy such as wind and solar power is the first step we need to make as a State to reduce and begin to reverse climate change.

Please consider the future of this State and the young South Australians growing up here who need this energy park to not only ensure their future energy needs but to ensure a sustainable future.

Regards,
Emma Richards



DPTI:scapreps

From: Wes Crisp <wncrisp@gmail.com>
Sent: Thursday, 28 June 2018 10:47 PM
To: DPTI:scapreps
Subject: Representation on Application- Neoen - Development Number 354/V003/18
Attachments: State Commission Assessment Panel - Neoen.PDF; Neoen objections letter.pages

Follow Up Flag: Follow up
Flag Status: Flagged

Please find attached my Representation on Application for Neoen Australia's development application number - 354/V003/18, also attached is my detailed response to the application.

2 files with 3 pages in total are attached.

Cheers Wes.

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: WESLEY NEIL CRISP
 My phone number: 0427 802 673
 PRIMARY METHOD(S) OF CONTACT: Email address: wncrisp@gmail.com
 Postal address: 335 BEETALOO VALLEY ROAD
BEETALOO VALLEY SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.


My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 335 BEETALOO VALLEY ROAD, BEETALOO VALLEY Postcode 5523

The specific aspects of the application to which I make comment on are:

PLEASE REFER TO ATTACHMENT.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)
 by ☒ appearing personally
☒ being represented by the following person:
 (Cross out whichever does not apply)

Date: 28 / 06 / 2018 Signature: 
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

Attachment referring to Development Number 354/V003/18

My objections to Neoen's proposed wind farm are as follows:

- Neoen want to erect their 240 metre high turbines on the Southern Flinders Ranges. The ranges that they want to install their turbines on are at least 240 metres above sea level. The surrounding country to the south, west and north of the turbines, where most of the local population reside, is approximately 100 metres or lower above sea level. This means that the turbines will be at least 380 metres in height above sea level. This represents a massive degradation of the visual amenity of the Southern Flinders Ranges. The potential for Neoen to adversely effect the long term revenue generated by tourism and its support industries is huge. Converting the attractive and much loved natural landscape of the Southern Flinders Ranges into an industrial backdrop will also have far reaching negative impacts on a myriad of issues pertaining to the liveability of the local region.
- The height/size of the turbines (at least twice the height of existing wind farm tower/turbine combinations), their potential output and the condensed placement of the turbines (industry standard at least 10 blade lengths separation between turbines, Neoen propose as low as 3 blade length separation) up against the outskirts of Crystal Brook and multiple rural residences are **unprecedented**. The closest turbine is only approximately 3.5 kilometres from the centre of Crystal Brook (a town with a significant rural population of more than 1500 people). The proximity of a turbine to one rural residence is only approximately 1.3 kilometres. There are no other wind farms in Australia with these sorts of proximities to established towns or residences. The potential for Neoen to initiate a myriad of health and lifestyle problems associated with their wind farm is immense.
- The **unprecedented** nature of the size and output of the turbines along with the condensed nature of their arrangement means that Neoen's potential to produce noise pollution, low frequency infrasound, amplitude modulation, vibration and associated negative health impacts is massive. The EPA already identify noise complaints as increasing, for existing wind farms. EPA research has also found the accuracy of the current software used for modelling noise impacts on residences is unsatisfactory, noting discrepancies between predicted results and those actually recorded on site. The number of peer reviewed studies stating the diverse range of serious negative health impacts associated with living in close proximity to the generation of certain types and frequencies of noise, linked to wind farms, is growing rapidly.
- The lack of background noise monitoring conducted by Neoen. Virtually no noise monitoring was conducted at non affiliated residences.
- The poor quality and lack of transparency of Neoen's background noise monitoring data collection techniques. They refused to allow independent review of the data collected. They only collected data for a short period over harvest, when local vehicular traffic was at its peak, supposedly in an attempt to skew results to their advantage.
- Neoen's wind farm proposal will bring about a real financial loss to all non associated residences, both in Crystal Brook and adjacent rural residences, because of the fact that residential properties in proximity to current wind farm developments are hard to sell, get sold for lower than market price or do not get sold at all and owners are forced to abandon their properties. This will mean that the local real estate market will get flooded with devalued residences driving down all local resale values and virtually wiping out the potential for all future residential development.
- Neoen's proposal contains a disproportionately large number of errors, inaccuracies, blatant falsehoods, and omissions of fact. That, coupled with the fact that they submitted their proposal days after the due date of their application extension had expired, presents a level of bewildering incompetence that evaporates all remaining confidence that the wind farm could possibly be executed in a fashion that would meet even the lowest industry standards. This alone should be sufficient to disintegrate Neoen's application.

DPTI:scapreps

From: Jack Kennewell <jackkennewell114@gmail.com>
Sent: Thursday, 28 June 2018 10:26 PM
To: DPTI:scapreps
Subject: Objection to Crystal Brook Energy Park
Attachments: objection form.jpg

DPTI:scapreps

From: Jack Kennewell <jackkennewell114@gmail.com>
Sent: Thursday, 28 June 2018 10:26 PM
To: DPTI:scapreps
Subject: Objection to Crystal Brook Energy Park
Attachments: objection form.jpg

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Jack Kennwell

My phone number: 0475732239

PRIMARY METHOD(S) OF CONTACT: Email address: jackkennwell714@gmail.com

Postal address: 16 The Crescent St Marys

Postcode 5042

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

- My interests are:
- ☐ owner of local property
 - ☒ occupier of local property
 - ☐ a representative of a company/other organisation affected by the proposal
 - ☒ a private citizen

The address of the property affected is 560 Beetaloo Valley Road Postcode 5523

The specific aspects of the application to which I make comment on are:

The proposed Turbine Installation will be disruptive to local wildlife
I believe that ecological surveys conducted prior to the proposal were inadequate,
being conducted at the wrong time of year to accurately represent the abundance
of wildlife that would be affected. I myself have surveyed the area surrounding
the turbine site and had greatly contrasting results. I believe a turbine installation to be

- I ☒ wish to be heard in support of my submission unsuitable,
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person : Meredith Klemig
(Cross out whichever does not apply)

Date: 28th June 2018

Signature: Jack Kennwell

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
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Phone Number:	7109 7066
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My name: Ashley Redden
 My phone number: 0428 892 566
 PRIMARY METHOD(S) OF CONTACT: Email address: ashley.redden@bigpond.com
 Postal address: PO Box 93
Crystal Brook SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

- My interests are:
- ☒ owner of local property
 - ☐ occupier of local property
 - ☐ a representative of a company/other organisation affected by the proposal
 - ☐ a private citizen

The address of the property affected is 55 Bowman St. Extension Postcode 5523
Crystal Brook SA

The specific aspects of the application to which I make comment on are: reason for

objection include as follows:

- visual impact on unique rangeland scenery
- property devaluation for those closest to wind towers
- interference with television and internet services

- I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☒ being represented by the following person : To be Advised
 (Cross out whichever does not apply)

Date: 25/6/2018 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

Kathryn Hindmarsh
192 Kingston Road Port Pirie
0418800454
krhindmarsh@hotmail.com

28/6/2018

To The Secretary, State Commission Assessment Panel – Department of Planning,
Transport and Infrastructure,

RE: Application for Development No: 354/V003/18 – Crystal Brook Energy Park

I am writing in support for the recent application for a wind and solar energy park within the township of Crystal Brook. As private citizens of Port Pirie, who have lived in the town our whole lived we are very excited for this multi-million dollar project to go ahead within our local area. Our main areas of support include:

- The boost to the local economy with many jobs being created by this project. Including company and state officials visiting the area spending their time and money.
- Tourism opportunities to the area – people from around the world visiting a state of the art renewable energy structures. We have already welcomed visitors from Korea to our small town.
- Renewable energy is our future and we are excited to be part of the move towards sustainable energy. Making a possible step towards overcoming climate change and changing the way we power our homes for the better.
- Creating further energy opportunities to ensure South Australian Energy source is reliable and consistent, decreasing future blackouts and straining on the grid over peak times.
- We are excited about the large community fund of \$80,000 being provided to the town of Crystal Brook, which desperately needs an injection of funds to upgrade facilities and local tourist attractions.

We whole heartedly put our support behind this project and look forward to it going ahead.

Regards,
Kathryn and Rodney Hindmarsh



**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

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Phone Number:	7109 7066
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My name: Dianne Becker

My phone number: 0439 893 162

PRIMARY METHOD(S) OF CONTACT: Email address: _____

Postal address: PO Box 62

WIRABARA SA Postcode 5481

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

- My Interests are:
- ☐ owner of local property
 - ☐ occupier of local property
 - ☐ a representative of a company/other organisation affected by the proposal
 - ☒ a private citizen

The address of the property affected isPostcode.....

The specific aspects of the application to which I make comment on are:

The Flinders Ranges (including the Southern Flinders Ranges commencing near Crystal Brook) must be protected from these kinds of developments

The natural beauty of the area must not be ruined & needs to be maintained for locals & visitors alike now and into the future


- I
- ☐ wish to be heard in support of my submission
 - ☒ do not wish to be heard in support of my submission
- (Please tick one)

by

- ☐ appearing personally
- ☐ being represented by the following person :

(Cross out whichever does not apply)

Date: 22/6/2018

Signature: 

Return Address: **The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au**

128/

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: DEANNE MCCOY
 My phone number: 041825 1095
 PRIMARY METHOD(S) OF CONTACT: Email address: deeloxtan@yahoo.com.au
 Postal address: 1 GILES STREET
CRYSTAL BROOK Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is Postcode

The specific aspects of the application to which I make comment on are:

- Effect on visual aspect of Southern Flinders Ranges
- Health effects on local township and affected residents
- Affects on local wildlife due to low frequency sound emissions

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☒ being represented by the following person: To be advised
 (Cross out whichever does not apply)

Date: 25/6/2018

Signature: 

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
 scapreps@sa.gov.au

129/

Postal address: 8 Sparkes St
Port Augusta Postcode 5700

The address of the property affected is Crystal Brook Postcode 5523

[illegible]

Date: 27/6/18 Signature: [Signature]
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

130

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
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My name: Lori Pillion

My phone number: 0407 974 813

PRIMARY METHOD(s) OF CONTACT: Email address: craigandlori@bigpond.com

Postal address: 28 Cobbin St
Port Augusta Postcode 5700

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

- ☐ owner of local property
- ☐ occupier of local property
- ☐ a representative of a company/other organisation affected by the proposal
- ☒ a private citizen

The address of the property affected is Crystal Brook Township Postcode 5523

The specific aspects of the application to which I make comment on are:

- development on the picturesque flinders
Rangers and potential impact on Tourism:
- Too close to whole township.
- Health Impacts to people.
- Impact on television + internet reception.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
(Cross out whichever does not apply)

Date: 27/6/18 Signature: mpillion

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
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Phone Number:	7109 7066
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My name: CARMEL ANN GAUDIO
My phone number: 0402 390 330
PRIMARY METHOD(s) OF CONTACT: Email address: cgaudio79@gmail.com
Postal address: 392F Senate Road
Port Pirie SA Postcode 5540

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is Crystal Brook Township Postcode 5523

The specific aspects of the application to which I make comment on are:

Object to application due to:

- Visual impact of wind towers
- health impacts to local residents
- Property Devaluation due to close proximity of towers.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
(Cross out whichever does not apply)

Date: 28.6.18 Signature: Caudio

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Ben Runkel <ben@runtech.com.au>
Sent: Thursday, 28 June 2018 9:29 PM
To: DPTI:scapreps
Subject: Crown development representation on application 354/v003/18
Attachments: neoen development submission.pdf

Dear sir/madam,

Please find attached my submission in response to crown development application 354/V003/18

I have many concerns in regards this development, being a local business operator and property owner within the visual footprint of this development, i have as such outlines just a few of the concerns i and many many other residents have in regards to this development.

I am willing and able to represent myself in front of the panel if requested, as are other residents and business owners in this area.

Kind regards

Ben Runkel
Owner
RunTech

0416709631
Ben@runtech.com.au

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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My name: Ben Runkel
 My phone number: 0416 709 631
 PRIMARY METHOD(S) OF CONTACT: Email address: brunkel@internode.on.net
 Postal address: PO BOX 396, CRYSTAL BROOK SA.
 Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☒ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 278 GORDON HWY, CRYSTAL BROOK, SA Postcode 5523

The specific aspects of the application to which I make comment on are: 1) Noise due to proximity to my place of residence - health concerns, 2) Decline in property value due to the proposed towers (visual appeal + noise) could bankrupt us if the value decreases. The blatantly misleading nature of the proposal - many false statements by Neoen.

I ☒ wish to be heard in support of my submission
☐ ~~do not wish to be heard in support of my submission~~
 (Please tick one)
 by ☒ appearing personally
☐ ~~being represented by the following person:~~
 (Cross out whichever does not apply)

Date: 28th JUNE 2018

Signature: [Signature]

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Tabitha Runkel <tabitha.runkel@live.com>
Sent: Thursday, 28 June 2018 9:18 PM
To: DPTI:scapreps
Subject: Development 354/V003/18 Public Consultation Submission
Attachments: Scan 28 Jun. 2018.pdf

Good evening,

Please find attached some comments regarding development application 354/V003/18.

Many thanks

Tabitha Runkel
0410 891 289

Sent from Mail for Windows 10

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Tabitha Runkel

My phone number: 0410 891 289

PRIMARY METHOD(S) OF CONTACT: Email address: tabitha.runkel@live.com
Postal address: PO Box 396, Crystal Brook,
SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
 ☐ occupier of local property
 ☐ a representative of a company/other organisation affected by the proposal
 ☐ a private citizen

The address of the property affected is 278 Goyder Hwy, Crystal Brook Postcode 5523

The specific aspects of the application to which I make comment on are: The proposed windfarm,
if approved, will set a precedent for future development in the Flinders Ranges,
an area which should remain untouched for huge developments like this.
The proposed wind farm is situated too close to town and homes,
and will cause a number of issues such as decreased property
valuations, sleep deprivation, constant noise, affects fire fighting
capabilities plus many other issues.

I ☒ wish to be heard in support of my submission
 ☐ do not wish to be heard in support of my submission
 (Please tick one)
by ☒ appearing personally
 ☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 24/6/18 Signature: J Runkel
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: andrea scott <ariaod@hotmail.com>
Sent: Thursday, 28 June 2018 8:59 PM
To: DPTI:scapreps
Subject: Crystal Brook Wind Farm
Attachments: Windfarm.pdf

Hi

Please find attached a formal submission proforma against the proposed wind farm at Crystal Brook SA

Thank you

Andrea

134

DEVELOPMENT ACT, 1993, 549/549A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018

During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).

My name: ANDREA SCOTT
 My phone number: 0417700588
 PRIMARY METHOD(S) OF CONTACT: Email address: aridod@hotmail.com
 Postal address: PO BOX 101
Crystal Brook Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 434 The Cattle track Postcode 5523
Crystal Brook

The specific aspects of the application to which I make comment on are:

1. Proximity to residences and Crystal Brook township
2. Impact on visual amenity of the Flinders Ranges
3. Inadequacy of current EPA windfarm noise guidelines
4. Impact on television reception

Basically I think they should NOT be going up within the area.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 28th June 2018

Signature: 

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
 scapreps@sa.gov.au

→ 6. Decommissioning.

DPTI:scapreps

From: Richard Mackinnon <richard@cbmp.com.au>
Sent: Thursday, 28 June 2018 8:15 PM
To: DPTI:scapreps
Cc: Richard Mackinnon
Subject: re Dev Number 354/V003/18
Attachments: Scan.pdf

Please find attached a submission for consideration.
Richard Mackinnon

135/

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: DR. Richard Mackinnon

My phone number: 0409 362110

PRIMARY METHOD(S) OF CONTACT: Email address: richard@cbmp.com.au

Postal address: 12 FRITH RD,
CRYSTAL BROOK Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

☒ owner of local property

☒ occupier of local property

☐ a representative of a company/other organisation affected by the proposal

☒ a private citizen

The address of the property affected is 12 FRITH RD, CRYSTAL BROOK Postcode 5523

The specific aspects of the application to which I make comment on are:

See attached letter.

I ☒ wish to be heard in support of my submission

☐ do not wish to be heard in support of my submission

(Please tick one)

by ☒ appearing personally

☐ being represented by the following person :

(Cross out whichever does not apply)

Date: 27/6/2018

Signature: R. Mackinnon

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

We wish to make the following submission against the proposed development by Neoen Australia of wind turbines Development Number 354/v003/18.

We have been living in Crystal brook for 30 years and would like to have a say re this proposal.

We feel that there has been minimum consultation with our community. We heard about a meeting one afternoon earlier this year. We all work and were unable to attend. Since then the only information we have received is from concerned citizens who have been following this issue.

We are alarmed at:

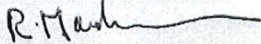
- The lack of consultation
- The proposed site being so close to the township
- The size of the towers being greater than any other wind farms around us
- The likelihood of the lack of desirability of people to move in to our town, which currently supports a commuting population in to Port Pirie for people who do not want to live in Port Pirie.
- This will have a potential devastating effect on our town's viability in to the future.
- The potential for interruption of TV, radio signal and internet for those relying on wireless NBN.

We would appreciate the Development Committee delaying approval of this application, pending meaningful consultation with the community of Crystal Brook where questions and answers can be heard. This is the least we should expect when considering a project that will visually affect our town for many years to come.

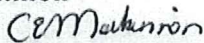
We would wish to be heard in support of this submission by appearing personally.

Yours sincerely

Dr Richard Mackinnon



Mrs Chrissy Mackinnon



Mr Callum Mackinnon



Ms Ruth Mackinnon



**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Mr PETER G COUSINS

My phone number: 0408210893

PRIMARY METHOD(s) OF CONTACT: Email address: Peter@PCC-farm

Postal address: PO. Box 31
CRYSTAL BROOK Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

- ☒ owner of local property
- ☒ occupier of local property
- ☐ a representative of a company/other organisation affected by the proposal
- ☒ a private citizen

The address of the property affected is 215 TALBOT ROAD CRYSTAL BROOK Postcode 5523

The specific aspects of the application to which I make comment on are: AS ATTACHED
PLEASE REFER TO ATTACHMENT

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☒ appearing personally
☐ being represented by the following person : _____
(Cross out whichever does not apply)

Date: 28/6/18 Signature: P G Cousins

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or scapreps@sa.gov.au

DEVELOPMENT APPLICATION 354/V003/18 – NEOEN AUSTRALIA PTY LTD

I am a resident of Talbot Road Crystal Brook and would like to raise concerns that I have with the Neoen application.

Firstly, the application placed on the Government SA Public Register Summary website for the Neoen development for the application lodgement was initially dated the 05/04/18. Why was the date suddenly changed on the 15/6/18 to read, that the lodgement date was 29/3/18? Was it that if the lodgement date was the 05/04/18 then the development wouldn't have met the deadline? A letter dated 11/5/18 from the Hon Stephan Knoll, Member for Schubert and Minister for Transport, Infrastructure and Local Government, clearly stated the application was lodged with the State Commission Assessment Panel on 5 April.

Clearly there is a code of ethics for the South Australian Public Sector which states- "Public sector employees will avoid actual or potential conflicts of interest. As the Presiding member for the State Commission Assessment Panel is also a Principle Planner for GHD, the company engaged by Neoen to provide various reports in their application. Did the Presiding Member change or influence the change of date once the application date was questioned by a member of the public, and will they stand aside from any discussions and decision-making procedures? Another conflict of interest exists with another member of the panel is the Honorary French Consul for South Australia and the Proponent of the Application is Neoen a French Company. Without both members declaring a Conflict of Interest and withdrawing from the Panel there should be no public confidence in the Assessment Panel.

The application by Neoen is very unprofessional with numerous errors and omissions which does not give me any confidence in the application or their ability to provide clear and accurate information. The document has obviously been a "cut and paste" document with many statements referring to parts of it not lining up to the area which it states denying residents the ability to check the details

Neoen claim that there may be some disruption to TV signals when they well know that in other areas there have been numerous complaints about the distortion of signals. They would also know that the companies involved have had to hook up people to Imparja TV to appease the situation. With so many residents that will be within the 10 km radius that they talk about in their submission, many of the older residents in Retirement and Nursing homes, the disruption to them will be significant but also others with the loss of local news and weather.

Neoen also talk the loss of wireless broadband signal but have very much under estimated the cost to the local community and businesses who will wear the brunt of the problem. In my own personal situation, I rely on the broadband network to run my business. In a worst-case scenario if I am unable to effectively operate my business and I lose customers, who will be liable and who will compensate me?

If we lose our wireless broadband signal will it also affect our mobile phone service as well? Within 3.2 kilometres from the proposed site we have 2 radio towers ABC 639 and 5CS. What effect will the electromagnetic interference have on the signal due to being in a near direct line from the

broadcasting sites in Port Pire? ABC 639 broadcasts over a very large part of the northern areas of the state as far as Alice Springs and is relied upon by many people in the Pastoral areas of our state and is our local State Emergency Radio channel in times of emergency situations. Local residents in a direct line from the Bangor and Beetaloo Valley Fires relied very much upon this service for information about fire fronts and warnings to evacuate from their properties.

In one part of the application it talks about land values being maintained or increasing. In other areas where wind farms have been situated away from residential areas, this is often the case as those people whose land the development is located on, have received payments, from the generation of power and the sites on which the towers are located. While land values may be maintained or increasing it is often to the detriment of other adjoining land holders who do not have the same ability to pay. An increasing problem in rural areas is that young farmers are being denied any chance of buying land to continue their future with the average age of farmers increasing all the time. While the application states that land values have been maintained or increasing it does not take into consideration where residential or lifestyle blocks are near the developments. In our case this would amount to significant devaluation of our house and land as has the case in many other areas. This was recognised by the then Federal Minister of Agriculture back in 2006 and the problem still exists today.

PARLIAMENT OF AUSTRALIA

SENATE COMMUNITY AFFAIRS COMMITTEE INQUIRY

SUBMISSION to Senate Inquiry.

THE SOCIAL AND ECONOMIC IMPACT OF RURAL WIND FARMS

Department of the Senate

P.O. Box 6100, Parliament House, Canberra, ACT 2600, Australia.

"At a Federal level, Federal Agriculture Minister Peter McGauran visited the Devon North locality and spoke to a number of residents on their property, including my own. In The Weekly Times, July 5, 2006, he branded the wind energy industry "immoral" for slashing land values and not paying proper compensation. In a strong attack, Mr McGauran also accused the fledgling industry of exaggerating its energy credentials and using government subsidies to build massive wind farms in regional Australia. "Someone has to blow the whistle on this industry," Mr McGauran told The Weekly Times. The worst aspect of wind turbines was that they "immorally devalued adjoining property values and devastated the landscape". Mr McGauran said it was "immoral for windfarms to be distorting neighbouring property values without compelling reasons that they are in the national interest, or worse still, without sufficient compensation. Some savvy entrepreneurs have attempted to build the industry on the back of taxpayer subsidies and at the expense of innocent property owners," he said.

Another effect of reduced valuations is a cost to the local council and its residents with falling rate revenue income available to the council so not only local residents will suffer but the whole district."

My power bill has risen every year and as more renewable energy comes on line it just keeps increasing. I fully realise that there is a need to cut greenhouse gases and reduce emissions, but the gouging of these companies to extort the highest price for their power generation by manipulating generation to spike prices, is ruining our country and devastating the lives of many of our residents, as can be seen in reports in the press nearly every day.

Part of the Neoen proposal states in the visual impact assessment that “non-host residential dwellings within 3kms of the wind turbines and determined that the majority of these would not experience a significant (high) visual effect as a result of the project” From where we live we are able to see the windfarm towers at Snowtown approximately 130 metres in height, the closest being 35 km away. Neoen proposal is to build towers 240 metres high and only 3km away. Their statement is derogatory and an insult to my and others’ intelligence. Something that is less than 3 km from my house is obviously going to have a visual impact.



These are the tallest wind towers in the world in Germany in a forest and these are only 6.5 metres taller than those proposed for Crystal Brook. Not a high visual impact, do Neoen think we are stupid? Neoen are claiming that we can screen these towers with trees but obviously they have deliberately over-estimated the growth of trees in Australia and the local annual rainfall. The tallest tree in the world ever recorded only grew to a height of 116 metres tall, less than half the height of the proposed towers and the photo above clearly indicates that no trees will screen the proposed towers.

Where we live, most mornings we experience katabatic winds from the hills which obviously carry noise. Looking at the report there was nowhere to find what noise levels we would experience as no testing was done on our property. As there are no other turbines in Australia of this height and packed into such a small area, it is simply ludicrous to assume that guidelines for noise established in other areas will be the same here. As I understand, the normal guidelines for establishing sites for towers is 10 X blade length apart. The site development of towers in this proposal is around a third of the normal, so one could assume that the noise levels would potentially be 3 times other areas. Having been under many wind towers over several years, the noise from one tower is magnified many times when the blades get out of sync with the adjoining towers blades. What will the developer be required to do if noise levels exceed current guidelines? There can not be any error in this assessment so how do Neoen propose to do testing when there are obviously no other

towers of this height and density in Australia and how can the assessment panel have any confidence in what is presented?

The Neoen proposal states that they have done a field survey for the Crystal Brook site. It was undertaken from the 27th February to the 2nd March 2018 with follow up surveys in May 2017 and February 2018. It is obvious that the potential for this survey to be accurate should have included Spring when most flowers and shrubs are flowering and most noticeable. They also included in their report that there was probably no Lace Monitors in the area when there are commonly sightings of them and echidnas at various times of the year. On one occasion last year we saw three lace monitors climbing trees and moving about various areas of the Brook Creek. In my opinion the report on Flora and Fauna is completely lacking



Photo of a baby Lace Monitor climbing up a tree following its mother. The photo was taken by my Granddaughter in the Brook Creek

Another problem with the project is the access point proposed to the site is that it is located on the top of the Hill where there is limited vision for other vehicles. I note that Neoen state that visibility requirements are met, just. I would like for Neoen to explain if they have allowed for the length of the Blade which would deduct around 79 metres plus the length of the prime mover. The area is a double lined area of three lanes as shown in figure 26 and 27 on pages 37 and 38 -a single lane and a passing lane which finishes just on the western side of the range. The Wilkins Highway is a registered Road Train route and a corridor for many other freight and grain trucks that use the road every day. Are these trucks expected to stop on the steep incline while the various parts of the towers and blades and concrete are delivered. Visibility to other road users traveling at the open road speed limit will also be limited while they come up to the area as it is not an open space. Who will be responsible if there is an accident especially if it is a school bus loaded with children as the road is also a school bus route.

The Flinders Ranges have always been recorded that they start at Crystal Brook, now apparently they start at Wilkins Highway. What's next when it doesn't suit? Do we shift the line to Collaby Hill

road or the end of Beetaloo Valley? No doubt our early explorers would be turning over in their graves.

In summary, my objections to Neoen's windfarm proposal of Crystal Brook Energy Park are based upon the following factors and damaging impacts:

1. Inconsistencies of the application lodgement date on the SA Public Register, and the willingness of SCAP to change the date on the Public Register back to comply with the Neoen's application's requirement to meet the cut-off date.
2. Conflicts of Interest of the SCAP Presiding Member and another member, the French Consul in South Australia.
3. Incompetent application by Neoen with numerous errors.
4. The impact on television reception by limiting or distorting local television programmes, sports and news access.
5. Reduction of wireless broadband reception and the debilitating impacts that will have on emergency services communications and relays of dangerous situations to the public, impacts to local traders, businesses and farmers, as well as the general community.
6. Devaluing of land assets in rural living zones
7. Devastating effect on visual amenity of the picturesque region.
8. No noise and infrasound studies have been conducted in Australia on turbines of this size. There is no criteria to make informed judgments against.
9. Destruction of habitat of flora and wildlife
10. Danger to road users with slow moving and turning over dimensional vehicles in zones with poor vision, particularly on designated road train and school bus routes.

While I am very much opposed to the windfarm development I am in favour of the solar and battery storage part of the application as proposed but do not support the windfarm proposal at all.

Peter Cousins 215 Talbot Road Crystal Brook SA 5523

137/

DPTI:scapreps

From: Malcolm Sargent <sargem@westnet.com.au>
Sent: Thursday, 28 June 2018 5:41 PM
To: DPTI:scapreps
Subject: Neoen Australia Pty Ltd, Development Number: 354/V003/18
Attachments: SCAP JUNE 18 .pdf

Please find attached my comments regarding the Crystal Brook Energy Park.

Could you please acknowledge receipt

--

Malcolm Sargent

sargem@westnet.com.au

M 0407 395 075

PO Box 215 Crystal Brook SA 5523

CROWN DEVELOPMENT REPRESENTATION ON APPLICATION

Applicant: Neoen Australia Pty Ltd

Development Number: 354/V003/18

Nature of Development: Crystal Brook Energy Park-Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).

Zone / Policy Area: Primary Industry Zone - Port Pirie Regional Council

Subject Land: 32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.

Contact Officer: Lee Webb

Phone Number: 7109 7066

Close Date: Friday 29 June 2018

During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).

My name:

Malcolm Sargent

My phone number:

0407 395 075

PRIMARY METHOD(S) OF CONTACT:

Email address: sargem@westnet.com.au

Postal address: P O Box 215 Crystal Brook SA

Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

☒ owner of local property

☐ occupier of local property

☐ representative of a company/other organisation affected by the proposal

☐ a private citizen

The address of the property affected is 69 Mitchell Street Crystal Brook SA 5523

The specific aspects of the application to which I make comment on are:

Scale & Proximity of the wind turbines to residences & township of Crystal Brook.

1/ The Application mentions the Scenic Landscape Zone which the Applicant has avoided, but similar consideration is not given for Crystal Brook or its adjacent hills face zone. The Scenic Landscape Zone is an area where Colorbond sheds are required instead of galvanised. Adjacent to this zone there are to be Turbines 240m high on top of the hills which are 100m higher than the town – making the turbines 340m above the town.

2/ Clearances mentioned of 1km & 3km for lone residences & towns does not account for the scale of the project proposed. The height as detailed is greater than ever considered before. The concentration of twenty six (26) turbines in such a small area is unprecedented.

3/ For decades Crystal Brook has promoted itself as "Where the Flinders begins". The town being where the beauty of these ancient ranges can be grasped. Allowing these wind turbines to be built will destroy that concept.

4/ No where else are there Turbines as close or as high near a town. Neither Snowtown or Jamestown has Turbines this close (they are 10 km from Snowtown).

5/ While the Applicant claims to have consulted with the Beetaloo Valley Association & acceded to their requests no such consultation has taken place with people of Crystal Brook. Such an intrusion into the Crystal Brook landscape is unwanted

☒ [X] wish to be heard in support of my submission

☐ [] do not wish to be heard in support of my submission

(Please tick one)

by ☒ [X] appearing personally

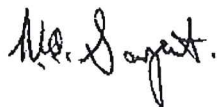
☐ [] being represented by the following person :

.....
(Cross out whichever does not apply)

Date

: 28 June 2018

.....
Signature:



.....
Return Address:

The Secretary,

State Commission Assessment Panel

, GPO Box 1815, Adelaide, SA 5001

or

scapreps@sa.gov.au

DPTI:scapreps

From: robert scarman <robert.scarman@gmail.com>
Sent: Thursday, 28 June 2018 5:12 PM
To: DPTI:scapreps
Subject: SCAP Representation
Attachments: Neoen submission form pi.jpg; Neoen submission form pii.jpg; Robert's submission to Neoen application.docx

Good evening,

Please find attached page i & ii of the Application on Notification – Crown Development Applicant Neoen Australia Pty Ltd Devt # 354/V003/18 plus a third attachment is my response to: The specific aspects of the application to which I make comment on.

Regards,

Robert Scarman
479 Beetaloo Valley Rd
Beetaloo Valley SA 5523
041889920

138j

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Robert Scarmen
 My phone number: 0418809920
 PRIMARY METHOD(S) OF CONTACT: Email address: robert.scarmen@gmail.com
 Postal address: PO Box 754
Port Pirie Postcode 5540

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 479 BECTALOO VALLEY RD Postcode 5523

The specific aspects of the application to which I make comment on are: SEE ATTACHED

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 26.6.18 Signature: [Signature]

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

I have concerns for the environment in the proposed wind farm area of the Crystal Brook Energy Park due to my work history.

Neoen state:

".....areas of remnant woodland and grassland vegetation and contains numerous rocky outcrops. The flat western regions are heavily cleared while the higher terrain to the east and north has some remnant vegetation, particularly on the steeper slopes." Pg7 V1

"Avoiding development in areas where there will be an adverse impact on scenic landscapes" Pg31 V1

- Having worked on windfarms I've witnessed the disregard to the landscape where hills have been levelled to fill gullies, so a road can be built. Sides of mountains have been ripped out to put in a construction pad for a wind tower eg Hornsdale wind farm.

"...the wind farm has the potential to generate the most significant impacts including vegetation clearance, noise, construction traffic and visual impact." Pg36 V1

"The distinguishable characteristics of the landscape character area may be altered by the Project, although the landscape character area would have the capability to absorb some change. The degree to which the landscape character area may accommodate the Project will potentially result in the introduction of prominent elements to the landscape character area, but these may be accommodated to some degree." Pg37 V1

- As a member of the construction and maintenance of many windfarm sites for over 10 years I have grave concerns for the southern most tip of the Flinders Ranges.

Sincerely

Robert Scarman

479 Beetaloo Valley Rd

DPTI:scapreps

From: Bob Lewis <tavarina@bigpond.com>
Sent: Thursday, 28 June 2018 3:15 PM
To: DPTI:scapreps
Subject: Development Application 354/V003/18: Crystal Brook Energy Park.
Attachments: NEOEN submission signed.pdf; SUBMISSION IN RESPONSE.pdf

To whom it may concern. Please accept my attached submission in response to the above DA.

Thank you.

R.B. Lewis

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Robert B. Lewis

My phone number: 0498 394 072

PRIMARY METHOD(s) OF CONTACT: Email address: tavarina@bigpond.com

Postal address: _____

Postcode _____

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is .1130 Wilkins Highway, Huddleston Postcode .5523

The specific aspects of the application to which I make comment on are: Attached

.....

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☐ being represented by the following person : _____
 (Cross out whichever does not apply)

Date: 26th June 2018

Signature: 

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

The Secretary
State Commission Assessment Panel
GPO Box 1815
ADELAIDE SA 5001

PO Box 4
Crystal Brook
SA 5523
tavarina@bigpond.com
Mob: 0498 394 072

28th June 2018

By Email: scapreps@sa.gov.au

**SUBMISSION IN RESPONSE TO DEVELOPMENT APPLICATION NUMBER 354/V003/18
CRYSTAL BROOK ENERGY PARK**

My first indication of a Development Application for the Crystal Brook Energy Park being raised was on Monday 19th March 2018 when I read a small notice posted in the Crystal Brook Newsagency window advertising an information session to be held by Neoen the following week, Monday 26th March 2018 which I attended.

I was aware of two previous attempts some years ago to establish a windfarm on the ridge immediately west of my home both of which failed, apparently due to lack of public support. Since then, I have not been approached by Neoen nor, indeed, been in any way informed of the current development proposal prior to 19th March 2018, contrary to the proponent's extravagant claims that there would be "*fair and open engagement with identified local stakeholders*". I assume I am a "*stakeholder*" since the closest tower to my property is 1500 metres away and the entire array of WTG will be visible from my home, situated some 3000 metres east of the development site.

Furthermore, I submit this letter to other relevant Government and administrative stakeholders for their information and involvement in this controversial development which affects us all socially, environmentally and economically.

In the short time available for me to briefly study 548 pages of the above DA and assess the ramifications, I respectfully submit the following for your consideration:

THE POLITICAL AND BUREAUCRATIC PROCESS:

As a private citizen, I am confused and concerned about the way the development process, notably that part concerned with the proliferation of windfarms in the Mid north of SA, appears to be largely driven by the corporate sector with little control, management or proper comprehension of consequences for the local population by our political leaders. My concerns are significantly heightened because it appears that, at huge expense to South Australian taxpayers, companies have stampeded to gain the enormous financial benefit of renewable energy subsidies in the fastest and most convenient way for them.

I listened to a recent radio interview of Mr Stephan Knowl during which he stated that the matter of final approval of the development application was "*....out of my hands*". In fact, it is clearly and officially stated elsewhere that The Minister for Infrastructure and Planning has the final say.

I have to hand a letter dated 30th April 2018 signed by the Mayor of Port Pirie, Mr John Rohde, in response to my letter to him dated 19th April 2018 drawing his attention to the fact that I had only recently been made aware of the Neoen proposal and expressing my concerns. His reply in part was, *"Our Council may be consulted for comment as part of the assessment process however this may not take place and the final decision will be made entirely by the State Commission Assessment Panel."*

On reading the Neoen proposal in two parts, I noted a copy of a letter dated 21st November 2017 from Mr Don Russell (Premiers Department) to Mr Garth Heron (Neoen) stating in part, *"With a three month extension, a development application under this Crown sponsorship variation must now be lodged with the State Planning Commission on or prior to 31 March 2018. If this is not achieved by that time, my support under Section 49(2)(c) of the Development Act 1993 for Neoen's Crystal Brook Energy Park will lapse."* On further enquiry, I have since discovered that the proposal was not properly lodged until 5th April 2018 leaving me with the belief that the DA no longer has Crown sponsorship.

Anecdotally, I have recently heard that the previous government had moved swiftly immediately prior to removal from office on 17th March 2018 to change the assessment procedure to ease the way for Neoen CBEP proposal and make it somewhat more difficult for people like me to make informed comment on the development. I found the claim entirely believable because I'd come to understand the careless disregard by Government which had over the past 16 years become complacent, overconfident and desensitised to its failings with constituents. Hence the loud call for change on 17th March 2018.

I had hoped that a newly elected Government would turn all that around and begin again to establish the trust and confidence of a public weary of the spin, deception and, often, outright lies fed to them. I live with that hope.

All the above indicates to me the confusion and obfuscation perpetrated by windfarm developers, ostensibly sanctioned by State Government and bureaucrats, and convincingly suggests a more rigorous, transparent, socially aware and collaborative approach needs to be urgently established.

COST BENEFIT:

While researching the background of this proposal, nowhere have I seen an analysis of the TRUE cost-benefit of WTG. Tax payers are being required to subsidise the entire scheme in the absence of any TRUE facts at all about the savings of CO2 emissions versus the cost of emissions involving building, transporting, land clearing, erection, maintenance and so on. Once again, we trust in Government and bureaucrats to keep us properly informed but this trust is ostensibly misplaced.

Premature destruction of reliable coal fired power generation has been hand-in-hand with the enormous proliferation of intermittent and unreliable renewable energy systems at a catastrophic cost and inconvenience to business and home-owners in South Australia, all of whom now pay the highest prices for power in the world as a consequence.

Government is further called upon to answer why we have rich gas resources in this State but most of the product is exported: to be imported to meet our increasing needs. I recall in the early days of gas exploration in the Cooper Basin that the South Australian public was assured of more than adequate, cheap and reliable gas supplies for hundreds of years. One has learned over the years to

be suspicious of extravagant claims such as currently put out by windfarm proponents and amplified by Government.

The question that hangs is, 'are we being well served by WTG?' The answer from every corner of this State and Nation to this point in time is a resounding, "NO!"

It is time for a moratorium, a pause to readjust the need for other types of renewable energy sources before we are crushed by mounting losses incurred by massive subsidies flowing to the wind industry. Furthermore, the size and power of these machines has so rapidly outstripped current guidelines that they clearly beg immediate revision before too much more damage is done to communities and individuals. Importantly, much more consideration and positive action needs to be applied to the protection of our precious natural environment.

NEOEN PROPOSAL:

Even to an untrained eye, this proposal in two volumes totalling 548 pages is permeated with errors, inconsistencies, and misleading, indeed, specious statements throughout. It is lengthy and obviously produced at considerable cost by professionals but in no way, to a common observer, can it be relied upon for assessment of the proposal it purports to represent as the entire truth of the matter.

It is beyond me to detail here all these problems, but to point to a few of the typical statements which immediately caught my eye:

Part 1, p. 3: There are 13 towers (not "none") located within 2.9km of at least 3 homes in Beetaloo Valley and 2 of these towers on Tank Hill are at 1300 metres distance from the closest private residence. As an aside, I point out there are 10 towers within 2000 metres of the Bowman Park reserve; a significant local and tourist attraction. Noteworthy is the fact that Neoen claim to use 1500m set-back distance from homes where State regulations specify 1000m. Such set-back distances are, in any case, obsolete and not in keeping with the escalation in height and power of rapidly developing WTG. Even so, Neoen's stated 1500 metres set-back is ignored when found to be an inconvenient measure.

Part 1, p. 38: The 3 closest private residences have not had acoustic base line tests on site. My home is 1500 metres from 1 of the Wind Tower Generators (WTG) and 1800m from another, but I was not approached by Neoen until 10th May this year, and then only after my formal request. At that time of a meeting with two representatives of Neoen, I was denied the opportunity for acoustic tests at my home on the stated basis that tests already conducted further out from the site of the windfarm would be extrapolated to appraise the situation at my home following completion of development.

Part 1, Appendix B., p. 1: Some 600 or more citizens signed a petition presented to the local council and parliamentary member expressing opposition to the proposed project. As somewhat of a recluse, I am nevertheless personally aware of a sizeable number of citizens in Crystal Brook who are opposed. I see signs proclaiming opposition to the proposal popping up in the last few weeks all over Crystal Brook. However, I have spoken to other citizens who were oblivious of the fact that the towers would be 36 metres higher than the Port Pirie, Nyrstar smelter stack and that their density on the ridge line would be so compact; a revelation to all I have casually spoken to. It is quite obvious many town residents who have been seduced by the platitudes of the developers are belatedly becoming alarmed as details of the size, power and density of the proposed are revealed.

Part 1, Appendix B. p. 11: I was personally advised by a Neoen representative during a meeting at my home on 10th May 2018 there could be no 'photo montage' available for me. My surprise prompted their further visit on Thursday, 21st June 2018 when several photos were taken off-hand, late in the afternoon, outside my home by Neoen representatives with the intention of having Canberra people provide the montage. I have not seen copies of this effort prior to the deadline for this submission. I recognise the good intentions of these two representatives but also the futility of the exercise at such a late stage and when Neoen had claimed montages were available. However, I present my own assessment at ANNEX A (Plates 1 and 2).

Part 1, App. C. p. 17. Beetaloo Valley is on the eastern side of the range, not the "western". Also on this page, Crystal Brook Creek runs the entire length of the WTG site: from Beetaloo Valley Reservoir to Crystal Brook and the watercourse is closely bracketed by WTG along its section from Wilkins Highway to Bowman Park.

Volume 2, p, 7: It is quite simply untrue that the visual impact of this dense cluster of turbines would have a "*low to moderate*" effect on the landscape viewed from roads and dwellings around the windfarm. Personally, I will be able to see almost every nacelle and propeller, and part of most of the support structures from my back window and they will be in my face for what remains of my life.

These few observations reinforce the persistent and perplexingly inaccurate data presented to me and to the SCAP in the DA.

There are very many more examples too numerous for me, a humble citizen, to detail here. In particular, the many specious statements contained within the document are revealing of the dubious and expansive claims of the proponent and particularly galling for residents who live close to the proposed project; citizens who better understand the landscape and its natural environment. None the least, more than a few of the residents whose later comments regularly and invariably refer to being "ridden rough shod over" by Neoen during development of the Hornsdale windfarm.

Assessors are urged to visit the site of the current proposal to view, particularly, the landscape and biodiversity of flora and fauna on the eastern side of the ridge, particularly along the Crystal Brook Creek which is proposed to be bracketed by these giant towers.

SOCIAL IMPACTS:

Part 1, 1.3; of the DA; (Community Engagements); states, "*Commencing with the site selection phase of the project development, Neoen undertook initial consultation with the landholder group who were the drivers behind the development of the project. This was then extended to neighbouring land holders and the nearby community and included one-on-one and group meetings.*" The last sentence is quite simply not true in my case and is an infuriating example of the kind of specious statements that permeate this DA.

On 11th April 2018, Graham Lloyd, the environmental editor of The Australian wrote an incisive article which neatly encapsulates the situation today in the Mid North of South Australia. His comments accurately expose the means and methods that I note seem also to drive Neoen's current DA. I quote selectively from the article:

- "*...prospectors swarmed potential sites for windfarms with little regard for the impact they would have on rural communities....*"

- *"The hills from South Australia to Queensland are littered with tales of sharp practices where neighbours were pitted against neighbours to sign up windfarm development sites."*
- *"A report by the National WindFarm Commissioner acknowledges the history of community division, unfair contracts, inadequate communication, potential conflicts of interest and disregard for complaints of human suffering."*

There is a considerable amount of anecdotal evidence that indicates significant disruption by windfarms to societies and to the well-being of individuals. Of special mention is the well documented case of Clive and Trina Gare from the Mid North, south of Jamestown, who enthusiastically hosted 19 turbines on their property only later to realise it was the worst decision of their lives because of noise issues impacting their health. The case was recorded during a Senate Committee Meeting and documented in Hansard. The Committee further highlighted the misleading and untruthful statements of a windfarm developer in this region.

The Gare's predicament is not an isolated case and clearly warrants a delay in rolling out WTG, under the 'precautionary principle'. When windfarms are established in close proximity to people in settled areas there will inevitably and always be controversy; a concern that is carelessly disregarded by Government with its eye on quickly attaining its overwhelmingly optimistic renewable energy target. Given the great expanse of this State the only plausible reason for the enthusiasm of developers is to maximise financial benefit available through RE subsidies by locating WTG as close to the power grid as possible while the going is good.

Adverse social and personal consequences for the community are of secondary importance in the pursuit of "development" it seems. Neoen speciously state in their application that there is *"no scientific evidence..."* that noise generated by WTG affects humans. There is mounting evidence to the contrary along with increasingly louder calls to conduct more research into such matters, particularly infrasound. I remain singularly concerned about this aspect as a war veteran diagnosed with PTSD arising from combat operations in South Vietnam; an affliction I have managed to control over the years by living a quiet and peaceful life in a rural setting. Audible noise at a continuous and monotonous level would drive me insane, and may well shorten my life. More research on the effects of low frequency vibrations on human physiological is also recommended repeatedly in the literature.

My concern is increased by the lack of data referring to the vibrations, both audible and inaudible, emanating specifically in this case from such a dense cluster of giant towers. Compared with many hundreds of towers in the region the proposed towers will be twice the height, twice the power and twice as densely packed: so densely packed indeed that I understand the separation between adjacent towers is approximately one third of the recommended distance.

My home is constructed from steel-reinforced concrete, capped with steel roofing, and my growing concern is that seismic vibrations from this dense cluster of giant towers and huge generators, located in close proximity will resonate within my house. I have read more than a few accounts of this phenomenon and all I hear from windfarm proponents is, *"No scientific evidence....."*

The DA states *"LVIA identified 3 landowners expected to experience high levels of shadow flicker"*. I gather from this statement that I have, or should have, been identified as one of these landowner's since all of these giant towers are located to the west of my home and will be in direct line of sight at

the going down of the sun for most of the year. This fact was never brought to my attention and only acknowledged when I raised the issue with Neoen representatives on 10th May 2018.

There appears to be no follow-up assessment of the efficiency of these hundreds of WTG in dozens of clusters, mostly in the Mid North of this State. Nor is there any serious effort to gauge the effect on communities, or to listen to the concerns of hundreds of citizens who live amongst them. We have all been seduced by the vision of clean, cheap power supply while the costs, socially, environmentally and economically are conveniently concealed from a trusting constituency: people who are now starting to wince with the pain of "progress".

When I asked the Neoen representatives during their visit last week on 21st June whether or not the proposed turbines were geared, the answer was equivocal, along the lines that Neoen is still considering which specific type of turbine to install: further evidence for me that the DA has been precipitously and carelessly drawn up, and one more example of specific details being unavailable to, or hidden from, concerned citizens.

The Crystal Brook Energy Park is claimed by Neoen to be a conspicuous case of a project instigated by private citizens. I understand there are only 4 landowners in fact, only two of whom are farmers and one of those who has already privately expressed an intention to move away – something his benefactor will facilitate through generous lease arrangement and a compensation unavailable to his neighbours who will live with these monuments for what remains of a life.

Yet another specious claim by Neoen is that there is no evidence the proximity of WTG affects house prices. There is much anecdotal evidence that contradicts that statement. I am a pensioner on a fixed income whose sole asset is my home. Naturally I am concerned that my quiet and uncomplicated life has led to now being threatened by thoroughly inappropriate development.

The proposal has already shown signs of fracturing a cohesive and essentially gentle community. The people within these close communities go to great lengths to maintain harmony within township areas or regions and are not normally given to stoke the fires of controversy. So it is with Crystal Brook and surrounds. All of us rely on Governments making sound decisions in the best interests of promoting peace and cohesion among constituents but such faith has been remarkably misplaced over the past 16 years.

There has been no serious consideration given to the impacts of WTG on other local industries, notably tourism, which is vitally important in this Southern Flinders Ranges region. For Neoen to claim, for example, that walkers on the impacted area of the Heysen Trail, along the section bracketed by proposed WTG, will be attracted to view giant turbines is as incomprehensible to a clear thinking individual as BP claiming an oil spill in the GAB would economically benefit locally based coastal communities.

ECONOMIC IMPACT:

As stated above, the uncontrolled and fervent roll-out of windfarms in South Australia has had catastrophic results for all power consumers, none the least businesses which we rely upon for employment of labour and expertise – infinitely higher numbers than engaged by windfarm operators. Already we see businesses begin to close because of the unviability of steeply rising power prices caused by heavily subsidised renewable energy sources.

Massive subsidies for windfarms have resulted in rapidly removing reliable power sources which stabilise the grid: again, at overwhelming inconvenience to citizens and businesses in terms of unreliability and cost of supply. It is said, anecdotally, that power costs will reduce in time but expert opinion I have read is frequently to the contrary.

These unplanned effects have compelled Government to introduce, again at great cost to the taxpayer, diesel powered generators to stabilise the grid. Batteries which have the ability to do this for a relatively short time before discharge, need to be recharged, even when the wind is not blowing or blowing too hard, and solar power ceases at night or is reduced by overcast weather. It is incomprehensible that the need for continuous and consistent power supply has been exacerbated so pre-emptively and in pursuit of a political ideal to achieve 50% of our power demands from renewable energy sources by 2025.

Well might the average citizen shake the head in despair at the poor planning and management, and lack of foresight of our governments and their bureaucrats, lapses which appear to be unending. It is time, truly, to pause and take stock.

ENVIRONMENTAL IMPACTS:

I do not identify as an ardent environmentalist but recognise the great comfort I and the community-at-large derive from regions/areas of the natural environment. These sanctuaries are inexorably declining and ever shrinking; so much so, it is incumbent on us all to take stock and guard against further environmental degradation, action so carelessly ignored by developers in the seemingly imperative quest for economic benefits and shareholder profits.

The Crystal Brook Creek is densely forested with River red gum (*Eucalyptus camaldulensis*) and is a haven for wildlife by day and at night. Its peaceful environment is the main attraction for tourists walking this highly attractive section of the Heysen trail. From observation of micro bats on my own property I estimate there would be large numbers of them inhabiting the tree hollows along the entire watercourse by day and flying about at night. It is counter-intuitive to expect that they will not be affected by turbines, both by the noise and by enormous whirling blades.

Similarly, many species of raptors drift high above and along the watercourse seeking food and shelter, and will be driven away from that sanctuary by inappropriate development. WTG will bracket the creek with the nearest generators being within 300 metres of the watercourse. To even consider, as proposed by Neoen, a 500m set-back distance from a wedge tail eagle's nest – a bird that hunts the area for kilometres - is inexcusable nonsense from so-called professional, biological assessors.

Noise affects animals just as it does humans. We can expect that notable ground dwelling birds in the area, such as very highly sociable white winged choughs, white browed babblers and apostle birds will be driven away from their precious habitat. Many other bird species will be similarly affected; notably the shy finches and robins and the very shy bronze-wing pigeons which inhabit this area, these to name but a few species who depend for survival on this fragile ecosystem. The enormous disturbance and dislocation about to be visited upon this assemblage of fauna is tantamount to environmental vandalism.

Extensive earthworks will be needed to bring up roads onto the ridges and in the case of two of the turbines, perhaps even across Crystal Brook Creek and up onto each of two heavily wooded knolls nominated by Neoen as sites for turbines CB04 and CB05 (See ANNEX A: Plate 7). There is significant evidence provided anecdotally by Hornsdale residents that once approval is granted, contracted earthmovers will charge ahead largely unsupervised and without due care for the environment. This is, after all, the hallmark of their frenetic activity.

Above all it is tantamount to vandalism to even contemplate damaging the precious remnant vegetation on the ridges and knolls above Crystal Brook Creek – so aptly named. Farmers have forever been admired for their custodianship of the land. The proposed desecration in this conspicuously beautiful location is not to be contemplated by ordinary folk let alone the custodians of this lovely location.

The proposed site of the Neoen windfarm imposes an effective barrier along a wildlife corridor that extends the entire way north through the Flinders Ranges and beyond.

It is important to point out that the sparsely vegetated western slopes up to the ridge line are very different in character from the eastern approaches which are more heavily grown with native species, including the rare peppermint box (*Eucalyptus odorata*). I have attached photographs (Annex A: Plates 3 – 7.) which illustrate the nature of the eastern slopes of the ridge and along the watercourse that is Crystal Brook Creek.

THE HYDROGEN PRODUCTION PLANT

I raise the issue because on looking back over public announcements concerning the CBEP, one of the principal attractions enthusiastically presented to the public by the previous Labor Minister for Energy, Mr Koutsantonis, highlighted the fact that Neoen's proposal to establish the Energy Park would incorporate a plant utilising renewable energy to produce 20,000 tonnes of hydrogen per day. Undoubtedly, these announcements contributed towards Neoen speciously claiming "83% of respondents.." approved of the proposal. These reports which I read only recently were published in The Flinders News on 7th March 2018 and on the ABC website the following day.

On questioning the two representatives during our meeting on 10th May 2018, it was made clear to me that the proposal had not yet entered the feasibility stage but that the then Government had offered a commitment of \$1 million to complete the study. I note that the hydrogen production plant gets only a brief mention in the current DA.

On further questioning at the same meeting about the electrolytic process referred to in the media announcements, I was told that production of 20000 tonnes per day would require "*.. not much more water than I put on my garden*". Being quietly astounded at this 'flip' statement, I did some further research later in the week which confirmed to me that 225 Megalitres of H₂O per day would be required produce the publicly stated amount of hydrogen – at a rate of 9:1 - H₂O:H₂:water which presumably will come from the precious supply of Murray River water from the adjacent pipeline.

On briefly raising the issue at my next meeting with the same representatives on 21st June 2018, the response was somewhat evasive and related, in my mind, to naïve confusion about the relative atomic weights of Oxygen (16) and Hydrogen (1). However, I remain firmly of the belief that the Hydrogen plant is another classic example of the way Neoen pays 'lip service' to its often stated

claim to be open, honest and up-front in its professional engagement with the public. Nor do I blame the representatives who are simply paid to promote the company line.

At the time, Mr Koutsantonis was reported as stating, *"If approved for construction, the site will create up to 260 jobs during the planning and construction phase, with 40 ongoing positions once the site is operational"*. "Pearls before swine", as I perceive it.

CONCLUSION:

I maintain that the public have been poorly served by a government in pursuit of unrealistic ambitions and by its extravagant statements relating to the efficacy of renewable energy systems: likewise, misled by the great number of claims contained in Neoen's DA before us today.

The proposal to significantly disturb and alter such a biodiverse and lovely part of the Southern Flinders Ranges, to deliberately disrupt social cohesion and to cause pain to very many local residents has raised the ire of a significant number of people in the region.

Common folk we may be but we have long memories for Government abuse of our trust and confidence.

"The hand that mocks them, and the heart that fed" Percy Bysshe Shelley. 1817.



R.B. Lewis: (Section 352 North, Hundred of Booyoolie, Government Road, Huddleston, 5523.)

Attachment: ANNEX A.

Copy to: Mr Stephan Knoll. MP. Minister For Planning and Infrastructure.
Mr Dan Van Holst Pellekaan. MP Minister for Mines and Energy
Mr David Spiers. MP. Minister for The Environment and Water.
Mr Tim Anderson. Chairman. SA Planning Commission.
Mr Geoff Brock. Member For Frome.
Mr John Rohde. Mayor. Port Pirie Regional Council.
Mr Joe Paparella. Councillor. Port Pirie Regional Council
Mr Eric Sommerville. Presiding Member. Northern & Yorke NRM Board.

ANNEX A:

Plate 1.



This Photograph was taken by me from the back door of my home. Featuring the ridge line 2900 metres away to the approximate position of (Neoen's proposed) turbine CB27 and upon which I have superimposed a photograph of the Port Pirie Nyrstar smelter stack, also taken with the same camera from exactly the same distance from the stack in Port Pirie.

Notable is the fact that the stack is 204m high. The nacelle of the proposed turbines is at 161m and the blade length is to be 79m. Therefore the height to the top of the propeller will extend a further 36m (118 ft) from the top of the stack pictured here. There will be a dense cluster of turbines along the clearly visible ridge line in the field of view.

Plate 2.



This photograph was taken by me from a position 100 m further south from that of Plate 1. It shows the ridge line, just visible and sunlit in the background, with the same representation of the Nyrstar stack (highlighted in red to make it visible). The blades will extend another 36m above the stack. All 36 turbines will be visible from my home – from north to south along the ridge. My amateur photo montage is presented due to the failure by Neoen to provide similar representation of the proposed 240m towers.

PLATE 3.



PLATE 4.



PLATE 4.

Plates 3, 4, 5, and 6: These photographs were taken by me from the Heysen Trail in the Crystal Brook Creek watercourse some weeks ago. They illustrate the density of the Red Gum forest from positions approximately 300m to 600m from the nearest proposed turbines on the steeply rising slopes to the ridge. Noteworthy is the density of Red Gum forest and the obvious sanctuary for a broad diversity of fauna in close proximity to giant turbines.

PLATE 5.



PLATE 6.

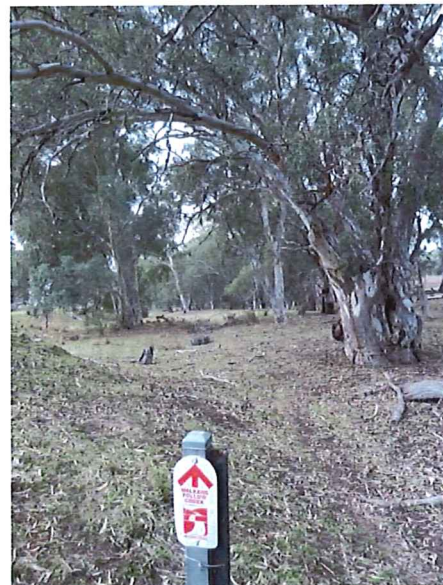




PLATE 7.

This photograph was taken by me on 26th June 2018 from the southern boundary of my property. Looking directly south west through Neoen's proposed turbine sites CB14 and CB18 to be sited in the middle distance (close to the water pipeline) to the two heavily wooded knolls - on top of each of which is proposed to place a giant turbine (CB04 and CB05). Of special note is the extent to which earthworks would be required to knock down native vegetation to access the knolls and level appropriate mounting platforms on this heavily wooded area. These features are clearly visible on Google Earth.

DPTI:scapreps

From: Toni Bentley <toni7@hotmail.com.au>
Sent: Thursday, 28 June 2018 2:58 PM
To: DPTI:scapreps
Cc: DPTI:Minister Knoll; minister.spiers@sa.gov.au; DEM:Minister Dan van Holst Pellekaan; admin@saplanningcommission.sa.gov.au; frome@parliament.sa.gov.au; mayor@pirie.sa.gov.au
Subject: Submission for SCAP Development Number: 354/V003/18 - Crystal Brook Energy Park
Attachments: Development Number 354V00318.jpg; 354V00318.jpg

Good afternoon,

Please find attached my submission in relation to Development Number: 354/V003/18 - Neoen Australia Pty Ltd.

I am strongly opposed to the development in its current form.

Sincerely,

A Bentley



Virus-free. www.avast.com

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: ANTOINETTE BENTLEY

My phone number: 0427 777 431

PRIMARY METHOD(s) OF CONTACT: Email address: toni7@hotmail.com.au

Postal address: 9 TOM CATT HILL RD

LAURA SA Postcode 5480

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:

☐ owner of local property

☐ occupier of local property

☐ a representative of a company/other organisation affected by the proposal

☒ a private citizen

The address of the property affected isPostcode.....

The specific aspects of the application to which I make comment on are: No windfarms in the iconic Flinders Ranges! This proposal has turbines too close to houses and the visual amenity of 240m towers will be appalling. Loss of television reception and the noise emitted are also concerning. Please note, I am against the development.

1. I ☒ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 28 JUNE 2018

Signature: AB

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Jessica Koch <jkoch@pringlescrouch.com.au>
Sent: Thursday, 28 June 2018 2:37 PM
To: DPTI:scapreps
Cc: DPTI:Minister Knoll; DEWNR:Minister Speirs; lstephens@pirie.sa.gov.au; azubrinich@pirie.sa.gov.au; nwilson@pirie.sa.gov.au; DEM:Minister Dan van Holst Pellekaan; admin@saplaningcommission.sa.gov.au; ddevlin@pirie.sa.gov.au; kjackson@pirie.sa.gov.au; jpaparella@pirie.sa.gov.au; frome@parliament.sa.gov.au; mayor@pirie.sa.gov.au; djohnson@pirie.sa.gov.au; dgadaleta@pirie.sa.gov.au; mhopgood@pirie.sa.gov.au
Subject: The Secretary, State Commission Assessment Panel - Neoen Crystal Brook Energy Park
Attachments: J & C Carey.pdf; JP & N Carey.pdf

The Secretary,
State Commission Assessment Panel

Please find attached two submissions opposing the Neoen Crystal Brook Energy Park, the concern stretches far beyond the residents at Crystal Brook.

The Flinders Range view and tourism is precious and this proposal has overstepped the mark,

On behalf of:

John and Cathie Carey
John Peter and Nicolle Carey

Grain Farmers

Booleroo Centre

Kind regards

Jessica Koch

Precision Ag Consultant

P:

F: 08 8636 2088

E: jkoch@pringlescrouch.com.au

W: www.pringlescrouch.com.au



Wudinna | Kimba | Cleve | Cummins | Crystal Brook
26 Brandis St, Crystal Brook, SA, 5523

This e-mail and its attachments may be confidential and are intended solely for the use of the individual to whom it is addressed. If you are not the intended recipient of this e-mail and its attachments, you must take no action based upon them, nor must you copy or show them to anyone. Please contact the sender if you believe you have received this e-mail in error.

141/

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Contact Officer:	Lee Webb
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My name: John and Cathie Carey
 My phone number: 0427672199
 PRIMARY METHOD(S) OF CONTACT: Email address: cathie.carey@bigpond.com
 Postal address: PO Box 76
Booleroo Centre Postcode 5482

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 5 Avic St Booleroo Centre Postcode 5482

The specific aspects of the application to which I make comment on are:

eyesaw, don't need them on the range.
we now have them at Hornsdale, can see them
from our farm, cannot imagine how the residents at
Crystal Brook are feeling having them
proposed so close.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 28.6.2018 Signature: B. M. Carey

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

1421

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: John - Peter & Nicole Carey
 My phone number: 0417845875
 PRIMARY METHOD(S) OF CONTACT: Email address: jwhitecliffs@activ8.net.au
 Postal address: PO Box 34
Bookeroo Centre Postcode 5482

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 593 Whitecliffs Rd Postcode 5482
Bookeroo Centre

The specific aspects of the application to which I make comment on are:

• Visual aspect
 • Frightened of what else might get built on the Flinders
 • Hold up to our semi through the gap to grainflow and viterra during harvest

☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
 (Cross out whichever does not apply)

Date: 28.6.2018 Signature: [Signature]

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
 scapreps@sa.gov.au

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Close Date:	Friday 29 June 2018

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My name: Michelle Psaila
 My phone number: 0417 809 536
 PRIMARY METHOD(S) OF CONTACT: Email address: michellegreig@hotmail.com
 Postal address: _____
 Postcode: _____

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is Stanley St, Crystal Brook Postcode 5523

The specific aspects of the application to which I make comment on are: proximity to Crystal Brook,

visual impact, sleep interference - especially for
young babies & children.
derivative of property
Aerial firefighting capability in such an fire prone area.
Impact on tv reception & internet

☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☐ being represented by the following person : _____
 (Cross out whichever does not apply)

Date: 24/6/18 Signature: mp
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
 scapreps@sa.gov.au

DPTI:scapreps

From: Pam Pilkington <pam@pcc.farm>
Sent: Thursday, 28 June 2018 10:49 AM
To: DPTI:scapreps
Subject: Development Number 354/V003/18
Attachments: Nick Greig solar.pdf

Please refer to attachment

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: Nick Greig
My phone number: 0413486800
PRIMARY METHOD(S) OF CONTACT: Email address: ngrey75@gmail.com
Postal address: Po Box 373 Crystal Brook
SA 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 10099 Augusta Hwy Postcode 5523

The specific aspects of the application to which I make comment on are: The solar panels
are straight across from my driveway and they will
be facing straight at my house in the summer months
on the glare or so called glare will effect peoples vision
exiting onto HWY 1 and 980m from them and was
never notified and by company or neighbours of where they were going

☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person :
(Cross out whichever does not apply)

Date: 28/6/18

Signature: [Signature]

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Pam Pilkington <pam@pcc.farm>
Sent: Thursday, 28 June 2018 10:48 AM
To: DPTI:scapreps
Subject: Development Number 354/V003/18
Attachments: Annabel Greig.pdf

Please refer to attachment

145,

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: Annabel Greig

My phone number: 0428 546 338

PRIMARY METHOD(S) OF CONTACT: Email address: _____

Postal address: PO Box 373
Crystal Brook Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 10099 August Hwy Postcode 5533

The specific aspects of the application to which I make comment on are: _____

- Worried about the reflection the solar panels will ~~cause~~ make on our driveway as safety of exiting onto highway 1. (also the many trucks that are in and out on a daily basis).

- Health effects of the wind turbines (specially for our autistic son who struggles with noise etc already)

I ☐ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person : _____
(Cross out whichever does not apply)

Date: 28/6/18

Signature: 28/6/18

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreprs@sa.gov.au

- the effect on the environment once turbines & panels are decommissioned. (disposal).

DPTI:scapreps

From: Pam Pilkington <pam@pcc.farm>
Sent: Thursday, 28 June 2018 10:48 AM
To: DPTI:scapreps
Subject: Development Number 354/V003/18
Attachments: Tim Reichstein.pdf

Please refer to attachment

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: Tim Reichstein
 My phone number: 0421 305 850
 PRIMARY METHOD(S) OF CONTACT: Email address: treichste@bigpond.net.au
 Postal address: _____
 _____ Postcode _____

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 77 BRANDIS ST Postcode 5523

The specific aspects of the application to which I make comment on are: * REAL ESTATE PRICES
* NOISE + VISUAL EFFECTS / CLOSE PROXIMITY TO TOWN
* CONCERNS REGARDING GUIDELINES WITH THE INCREASE
IN SIZE OF TOWERS
* EFFECTS ON TV RECEPTION, PHONE + INTERNET RECEPTION
* EFFECT ON ENVIRONMENT

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☐ being represented by the following person : _____
 (Cross out whichever does not apply)

Date: 27/6/18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Suzanne Scarman <suz.scarman@gmail.com>
Sent: Thursday, 28 June 2018 9:25 AM
To: DPTI:scapreps
Cc: Dan van Holst Pelekaan ; schubert@parliament.sa.gov.au
Subject: SCAP representation
Attachments: Neoen submission form pi.jpg; NEOEN submission form pii.jpg; Sue's submission to Neoen application.docx

Importance: High

Good morning,

Please find attached page i & ii of the Application on Notification – Crown Development Applicant Neoen Australia Pty Ltd Devt # 354/V003/18 plus a third attachment is my response to: The specific aspects of the application to which I make comment on.

Regards,

Sue Scarman
479 Beetaloo Valley Rd
Beetaloo Valley SA 5523
0418844935

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Phone Number:	7109 7066
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My name: Sue Scarman
My phone number: 0418844935
PRIMARY METHOD(S) OF CONTACT: Email address: SUZ.SCARMAN@gmail.com
Postal address: PO Box 754
Port Pirie SA Postcode 5540

You may be contacted via your nominated PRIMARY METHOD(s) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 479 BEE TALOO VALLEY RD Postcode 5523

The specific aspects of the application to which I make comment on are: See attached.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☒ appearing personally
☐ being represented by the following person :
(Cross out whichever does not apply)

Date: 26-6-18

Signature: [Signature]

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

The specific aspects of the application to which I make comment on are:

Having been heavily involved in tourism in the Flinders Ranges for a decade through being a member of Flinders Ranges SA Tourism board, a member of Southern Flinders Tourism & Taste, a tourism business operator and an elected member of Northern Areas Council I have a passion and an obligation towards protecting the integrity of the Flinders Ranges.

Throughout the application Neoen refer to the visual amenity of the wind proponent of the project below I have listed some of their quotes and responded to the claims made in them.

"Neoen considered feedback from members of the community and advice from expert consultants and responded by presenting a revised layout in April 2017. Neoen removed all turbines located in land zoned 'Landscape Protection Zone' under the Northern Areas Council Development Plan, and all turbines located north of Collaby Hill Road. In doing so, Neoen strove to respond to community concerns regarding the suitability of the Landscape Protection Zone for the development of renewable energy projects, reduced the visual impact on residents in the Beetaloo Valley, and avoided areas identified by our ecologists as having high conservation value." Pg2 V1

"The aim of the plan is to minimise the localised visual impacts of the proposal" Pg28 V1

"....location is at the very southern end of the lower Flinders Ranges. **The Flinders Ranges are highly valued for their aesthetic beauty and natural habitat and are a key tourism feature in the State.**" Pg31 V1

- Neoen were keen to reduce visual impact for Beetaloo Valley, avoid areas of high conservation value; **do the same for all of the Flinders Ranges as they are a high conservation area in their entirety.** The Flinders Ranges & Outback are the **third highest earning tourism region** in the state following closely behind Adelaide City and Fleurieu. They are the world renown Flinders Ranges from the Southern Tip to the Far North; they are **The Flinders Ranges. \$425m was spent in this tourist region in the 12months to December 2017, 1 in 12 jobs in the region are supported by tourism, there are 516 tourism businesses, over 300 of which are in the Southern**

Flinders Ranges. The anticipated **value of Tourism in the Flinders Ranges by 2020 is**

\$425m. Ref SATC Regional Visitor Strategy 2020

"Potential benefits to tourism (see, for example, the Hornsdale Power Reserve or 'Tesla big battery', which have become significant attractions to Jamestown)" Pg4 V1

"The region's economic base comprises agriculture, forestry and tourism." Pg7 V1

- The potential tourism to this region is already at a high due to the world renown

Flinders Ranges. The Wind component of the Energy Park will not enhance the

tourism value it will degrade its value. The Flinders Ranges' appeal to tourists is its

natural aspects not industrialisation via wind farms.

"This final layout has been developed to achieve a balanced profile of solar and wind energy production on the site, whilst avoiding and minimising environmental, visual and noise impacts identified through consultation and specialist studies." Pg5 V1

repeated on Pg7 V1

"Avoiding development in areas where there will be an adverse impact on scenic landscapes" Pg31 V1

"However, the Mid North Region Plan also places high value on the landscapes of the Southern Flinders Ranges and tourism is anticipated to expand in this area due to its scenic value. Therefore, any renewable energy development would have to give careful regard to visual impact." Pg31 V1

"However, there will be a need to balance the opportunity that the project could deliver with its potential impact on an identified scenic landscape" Pg35 V1

- By making these towers the **largest to be built in Australia how does this avoid or minimise the visual impact on the Flinders Ranges?**

"However, there will be a need to balance the opportunity that the project could deliver with its potential impact on an identified scenic landscape" Pg37 V1

"However, there will be a need to balance the opportunity that the project could deliver with its potential impact on an identified scenic landscape" Pg37 V1

"Due to the dense, mature vegetation surrounding Bowman Park and its location in a valley, it is not expected that the turbines (the closest being 1.4km away) will have a large visual or noise impact." Pg41 V1

- 6 turbines are within a 2km radius from Bowmans Park campground and all 26 turbines are within 5km of Bowmans Park. No amount of tree coverage is going to alleviate the impact both visually and aurally of the 26 towers on what is currently a peaceful natural environment open to and well utilised by locals and tourists alike.

"The LVIA has made recommendations for mitigating the impact of the proposed development by way of refinements through the detailed design phase including microsite where possible to assist with height and scale of the proposed infrastructure and refine material and colour selections to ensure the development does not impose itself on the landscape more than is reasonably necessary." Pg47 V1

"It is acknowledged that this development will introduce a significant change to the visual appearance of the land involved and will have a visual impact in the context of the immediate locality. The potential impacts are considered to be generally confined to the site and its immediate Surrounds" Pg49 V1

- It is mentioned several times throughout Neoen's application that care has been taken to reduce the visual impact on the Flinders Ranges, but I fail to see how erecting 26 X 240m structures on the Flinders Ranges is in any way being even slightly mindful of the visual effect this project will have on the Australian icon and (hopefully soon to be) World Heritage Listed region which is the Flinders Ranges.

Cr Sue Scarman

479 Beetaloo Valley Rd

Beetaloo Valley SA 5523

0418 844 935

DPTI:scapreps

From: Toby Connor <toby173@outlook.com>
Sent: Thursday, 28 June 2018 9:18 AM
To: DPTI:scapreps
Subject: Crown Development Representation on Application
Attachments: TobyConnor.pdf

Good morning,

Please find the appropriate form filled out and attached.

Regards,

Toby Connor

0402 784 898

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
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My name: Toby Connor
 My phone number: 040228 4848
 PRIMARY METHOD(S) OF CONTACT: Email address: toby173@outlook.com
 Postal address: _____
 _____ Postcode _____

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☐ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is lot 53 Talbots Rd Postcode 5523
Crystal Brook

The specific aspects of the application to which I make comment on are: _____

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)
 by ☒ appearing personally
☒ being represented by the following person: Nelson Magor
 (Cross out whichever does not apply)

Date: 27/6/18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Elizabeth Traeger <liztraeger01@gmail.com>
Sent: Thursday, 28 June 2018 8:09 AM
To: DPTI:scapreps
Subject: Submission re Development 354/V003/18 Crystal Brook Energy Park
Attachments: Submission re Crystal Brook Energy Park.pdf

Please find attached my submission in relation to the Application by Neoen Australia Pty Ltd to develop the Crystal Brook Energy Park (354/V003/18).

Regards
Elizabeth Traeger

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: ELIZABETH TRAEGER

My phone number: 0407 285 663

PRIMARY METHOD(S) OF CONTACT: Email address: liztraeger01@gmail.com

Postal address: _____

Postcode _____

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

- My interests are:
- ☐ owner of local property
 - ☐ occupier of local property
 - ☐ a representative of a company/other organisation affected by the proposal
 - ☒ a private citizen

The address of the property affected is EDMUND TERRACE Postcode 5523
CRYSTAL BROOK

The specific aspects of the application to which I make comment on are: _____

• LOCATION

• SIZE OF TURBINES

• VISUAL AMENITY

• CUMULATIVE EFFECT OF WIND FARM DEVELOPMENTS

(SEE ATTACHMENT)

- I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person : _____
(Cross out whichever does not apply)

Date: 28/6/18

Signature: Elizabeth Traeger

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

Proximity to a township/Size of turbines

The proposed wind farm is situated 3.5 kms from the centre of the township of Crystal Brook and 1.3 kms from the nearest dwellings. This is far too close considering that the noise and annoyance from this type of industrial site is strongly reported across the world. Furthermore, the low frequency noise and vibrations emanating from the turbines has been reported by some people to cause ill health. I am aware of many stories of people (often farmers) who have been affected by the noise and vibration from wind turbines, some having been forced to leave their homes following the establishment of wind farms nearby.

Because these reports are so numerous and convincing they have come to the attention of the National Health and Medical Research Council (NHMRC). The adverse health effects of living near wind farms has certainly not been discounted by the NHMRC who has stated that *"Given the limitations of the existing evidence and continuing concerns expressed by some members of the community, NHMRC considers that further high quality research on the possible health effects of wind farms is required."*

This matter is so serious the NHMRC have awarded two grants totalling \$3.3 million to enhance the evidence-based understanding of the effects of wind farms on human health.

The potential for the Crystal Brook community to experience annoyance and adverse health issues is further compounded by the size of the proposed turbines. The 26 turbines proposed are much larger than those already established in the Mid North. Each turbine is 240 metres tall (which is twice the size of the Clements Gap turbines) with an output up to 4.8MW.

There is a kindergarten, primary school, aged care facility and hospital in the town and thus many vulnerable and susceptible people. It is therefore reasonable to suggest that, until there is clear evidence that wind farms are safe, they should not be placed near populated areas and certainly not with turbines the size of those proposed.

Visual Amenity

Crystal Brook is known as the gateway to the Flinders Ranges. An industrial site the magnitude of this proposal will detract from this image. In the proponents proposal they make the claim that there would be potential benefits to tourism. There is no evidence to support this contention. I suggest that visitors to the area come to enjoy the scenery and vistas the Flinders Ranges has. It is far more likely that visitors will stay away from Crystal Brook and head to non industrial areas of the Flinders Ranges. I know I would.

Cumulative effect of wind farm developments


The Mid North of the state has shouldered an inordinate amount of the burden of hosting wind farm developments. I would urge the Commission to consider the number of wind farms that already exist in the Mid North and take this into consideration when assessing the proponent's application. There are already 9 wind farms within a 100 km radius of Crystal Brook. Surely this is enough for one region of the state to tolerate.

DPTI:scapreps

From: Darren McCourt <dwmccourt@iinet.net.au>
Sent: Thursday, 28 June 2018 1:23 AM
To: DPTI:scapreps
Subject: Crystal Brook Energy Park
Attachments: Windfarm.pdf

Please find attached Application on notification - Crown Development for the Crystal Brook Energy Park.
My family and I are in full support of the proposed Energy Park at Crystal Brook because we are for cleaner energy for us and for future generations.

Darren McCourt,
1 Gilbert Street,
Crystal Brook, SA 5523
PH 86362167

sing Opera's mail client: <http://www.opera.com/mail/>

This email has been checked for viruses by AVG.
<https://www.avg.com>

150/

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Darren McCourt
My phone number: 86362167
PRIMARY METHOD(S) OF CONTACT: Email address: dwmccourt@inet.net.au
Postal address: 1 GILBERT STREET
CRYSTAL BROOK Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 1 GILBERT ST CRYSTAL BROOK Postcode 5523

The specific aspects of the application to which I make comment on are: MY FAMILY AND I
ARE IN FULL SUPPORT OF THE CRYSTAL BROOK
ENERGY PARK. WE ALL WANT A CLEANER EARTH
FOR US AND OUR FAMILIES IN THE FUTURE
BRING ON CLEANER ENERGY.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)
by ☐ appearing personally
☐ being represented by the following person: _____
(Cross out whichever does not apply)

Date: 20/6/2018 Signature: [Signature]
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Holly O'Dea <hollyodea13@gmail.com>
Sent: Wednesday, 27 June 2018 10:22 PM
To: DPTI:scapreps
Subject: Submission re Development Number 354/V003/18
Attachments: Dr Holly Deer Submsission.tiff; Luke O'Dea Submission.tiff; ODEAs to Development Application.docx

Please find attached submissions and additional letter also.

151

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
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Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Dr Holly Deer
 My phone number: 0427596119
 PRIMARY METHOD(S) OF CONTACT: Email address: hollyodea13@gmail.com
 Postal address: PO Box 179
Crystal Brook SA Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 434 Collaby Hill Rd Warreroo Postcode 5540

The specific aspects of the application to which I make comment on are: I am extremely concerned the noise + transmission interference is underestimated! the application intimates this will be same as a smaller turbine which doesn't make sense. I live out of Crystal Brook + rely on mobile services and wireless internet at home to provide on-call as my work as a Crystal Brook GP. What do I do if interference means I can't be reached?

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)

by ☐ appearing personally
☒ being represented by the following person: Mr Luke O'Dea
 (Cross out whichever does not apply)

Date: 27/06/18 Signature: [Signature]
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

152/

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Luke O'Dea
 My phone number: 0401849731
 PRIMARY METHOD(S) OF CONTACT: Email address: luke@harvestthesun.com.au
 Postal address: Po Box 179
Crystal Brook Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 434 Collaby Hill Rd Warrnaka Postcode 5540

The specific aspects of the application to which I make comment on are: the visual impacts on the region, the electrical noise and interference, how the farm will be decommissioned at end of it's use, stroking from shadow over nearby residents and businesses of crystal brook, the fact that this project is so very, very close to a town, and the devaluation of our property.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)
 by ☒ appearing personally
☐ being represented by the following person: _____
 (Cross out whichever does not apply)

Date: 27/06/2018

Signature: [Signature]

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or scapreps@sa.gov.au

Luke & Holly O'Dea
PO Box 179
Crystal Brook SA 5523
Luke: 0401849731
luke@harvestthesun.com.au
Holly: 0427596119
HollyODea13@gmail.com

The Secretary
State Commission Assessment Panel
GPO Box 1815
Adelaide SA 5001
scaprep@sa.gov.au

To Whom It May Concern,

We write to you with serious concerns regarding the proposed Crystal Brook Energy Farm by Neoen Australia, Development Number 354/V003/18. We live in the foothills of the southern Flinders Ranges, on Collaby Hill Road, in an off-grid solar-powered, self-sustaining, environmentally friendly home. Our home and property is west of Beetaloo Valley. When this house was built, council regulations required it to be built with minimal impact on the surrounding environment and so the chosen materials and colours of this house fit it into the surroundings. We chose to live here due to the minimal environmental impact this kind of living achieves, and the quiet, out-of-the-way location, plus the beautiful views and scenery we are lucky to enjoy.

Now Neoen Australia wants to interrupt all of the listed qualities for which we've chosen to live, by establishing a wind and solar farm directly in our view. This will not only affect those qualities for us, but the entire community of Crystal Brook and also that of Beetaloo Valley. We do not support this energy farm proposal at all, due to the planned location. It is not right for the Flinders Ranges, nor is it right to be so close to a town.

Due to the proposed Energy Farm, property-owners in the district have already put a halt on building houses and extensions/upgrades to houses. This has directly impacted local trades. Neoen Australia claims to be able to provide jobs to the local area however just the proposal already had a negative effect on local business and jobs. Similarly, property values for all people in and around the settlements of Beetaloo Valley and the town of Crystal Brook have immediately devalued. You wouldn't want to buy a house with 26 x 240m wind turbines 3.5km away, so why should the entire town and surrounding areas be subject to this?

In principle, we are all for wind and solar power to reduce greenhouse gases, improve environmental outcomes and provide our state with the energy provisions it needs. We have solar ourselves and are off-grid with it. Our business installs solar-power to many, many homes and businesses. Renewable energy solutions are our business, the way we chose to live in our home, and a passion. The issue with have with Neoen Australia's Crystal Brook Energy Farm proposal is all about the location.

We have done our research: our understanding about Neoen Australia as a company suggests there is questionable amount of electricity that will be offered to South Australia's energy grid. We are also aware of the issues this French-owned company has in their home country with regards to

establishing windfarms over a certain height, and the decommissioning of these at the end of their working life.

With regards to this last point, we are aware that there are many windfarms in Australia, but as yet, none have been decommissioned. We understand their life lasts approximately 20 years. We are concerned for the future and what will happen with the towers once their working life is at an end. Will decommissioned towers simply remain standing, unused? Who will be responsible for their removal, if anyone? And who will have to pay for this removal? We ask this please to be considered when so many nearby homes could possibly be left with ghost-towers in 20 years.

Thank you for taking the time to read this letter and allow us to raise our concerns.

Yours Faithfully,

Mr Luke & Mrs Holly O'Dea

153/

DPTI:scapreps

From: Simon Wooley <simondwooley@gmail.com>
Sent: Wednesday, 27 June 2018 9:58 PM
To: DPTI:scapreps
Subject: Written submission, and Request to be Heard in support of submission, Re Development Number 354/V003/18 (Applicant Neoen Australia)
Attachments: SWooley 27 6 18 Submission to SCAP.pdf; ATT00001.htm; Noise Impact Assessment Commentary Crystal Brook Windfarm South Australia, Report No 4154 20 June 2018.pdf; ATT00002.htm

Attention Lee Webb

Dear Lee, as discussed on the phone today regarding the failure of your fax line and my lack of access to scanner in my remote location on APY Lands, I include 2 documents as my written Submission regarding the Neoen development (2 pdf files, my Submission and its attachment), and I also request to be heard by appearing personally in support of my submission. As I cannot scan the formal document with my details on the request to be heard document, I reproduce them below *

My name: Simon Wooley

Phone: 0439033246 (when in range)

Primary method of contact: simondwooley@gmail.com

Postal Address: 21 Beetaloo Valley Road, Beetaloo, 5523 SA

My Interests are: owner of local property, at above address.

The specific aspects of the application to which I make comments on are:

- 1 Errors of fact and misinformation , with particular reference to noise impacts, in Neoen application
- 2 Visual impact
- 3 Property value impact

Thank you

Yours sincerely

Simon Wooley

Written Submission to State Commission Assessment Panel
Re: Neoen Australia Pty Ltd, Development Number:
354/V003/18
By: Dr Simon Wooley, BDS (Bachelor of Dental Surgery)
MPHC (Master of Primary Health Care), owner, 21 Beetaloo
Valley Rd, Beetaloo, 5523
27/6/18

I, Simon Wooley am the legal owner and occupier of our family home at 21 Beetaloo Valley Rd, Beetaloo Valley, 5523, the closest non-host property to the wind turbine component of the Neoen proposal. Our home is designated H 17 in the maps in the Sonus Report (Neoen Vol 2, Table of Contents, Noise Impact Assessment) and Dr Bob Thorne's Report commissioned by Ian Peterson (Attachment 1, Noise Impact Assessment Commentary Crystal Brook Windfarm South Australia, Report No 4154 20 June 2018)

I purchased the property in 1984. It is the place I chose to make my home base due to the peace, tranquillity and natural beauty of the Beetaloo Valley, and its location in the area immediately north of Crystal Brook defining the beginning of the Flinders Ranges, and is indeed known as 'the southern gateway to the Flinders Ranges'.

Over the years since 1984 the garden has been transformed essentially from a rural paddock into a park like space with lots of mature eucalypts and other species, planted by myself, friends and family over three decades. The old cottage has been altered and renovated to improve its amenity, particularly the kitchen and bathroom, always with the intention of keeping it as our family home. Over the years we have regularly had friends and family to stay and have hosted many shed parties. Our home and its amenity therefore comprise the garden **as well as** the inside of our dwelling – over the years we have enjoyed much of our time outside in the garden.

At times, my work as a rural and remote public dentist has taken me away from this home base. By way of example my current work out of a mobile dental clinic takes me across the top 1/10 of the state of South Australia for at least 32 weeks of the year. That employment does not mean that Beetaloo is no longer my home base. My wife cares for our children in my absences, and currently works from home as the CEO of a charity facilitating research into the adverse health effects of industrial noise upon human health, including wind turbine noise. She is internationally known for her work in this area. Prior to having children she provided her professional services as a full time local rural medical practitioner in Crystal Brook, and she intends to go back to medical practice in the field of palliative care in regional and remote areas.

I was married in our garden at Beetaloo in 1994, and it has been the home in which our twin children, born in 2003, have grown up. At the beginning of 2017, my wife and I made the decision to further our children's secondary education in Adelaide. We did not wish our

children to board at high school, so the family currently lives in Adelaide during the school week and returns to Beetaloo at every opportunity on weekends and during school holidays. It is our family home, in an area with connections to my mother's family, and where longstanding friendships have been established, and where the children continue involvement with friends, and in local soccer teams (the Northern Demons), and horsemanship pursuits – our daughter's pony is currently agisted locally near Crystal Brook.

Beetaloo is the home my wife and I intend to return to when the children's' secondary education is complete. Indeed, it is the place we wish to be when we transition to retirement. Our daughter has future plans to continue her horsemanship experiences on the property, and to rebuild the old stables.

The reason for this preamble is both to illustrate our family's deep, longstanding, and ongoing attachment to the place we call home, and to reject any implication that might be drawn from Neoen's application that the property is not occupied, as they impute that no dwelling in the Beetaloo Valley is closer than 2.9km (see details under Errors and misinformation in Neoen's application, below).

The specific aspects of the application to which I make comment on are; and include, but are not limited to

- 1. Errors of fact and misinformation by the proponents, with particular reference to noise impacts**
- 2. Visual Impact**
- 3. Property Value impact**

1. Errors and misinformation in Neoen's application, with particular reference to noise impacts

There are many errors of fact, omissions, and significant misinformation in the application, and I know a number of my neighbours have dealt with these in depth, including particularly John Birrell, Ian Peterson and Anita Crisp. These include, but are not limited to the following items (Neoen references cited, with my comments following)

- Neoen Vol 1, p43, *'The portion of the site covered by the Port Pirie Development Plan is within the 'Primary Production Zone'. The boundary of the Primary Production Zone follows the alignment of the gas pipeline which means that the whole of the project is location with in this zone.'*

WTG CB18 is within the Rural Landscape Protection (Ranges) Zone ie the Neoen statement is incorrect and misleading. Turbines, being immediately adjacent to the

Ranges Zone, will also, simply by their overwhelming size, have visual intrusion into the Ranges Zone.

- Neoen Vol 1, p3, ***'...no BVA dwelling is any closer than 2.9km to a turbine, with the majority at a distance well over 5km'***

The above statement is incorrect and misleading. The Beetaloo Valley Association (BVA) is not a legal entity with ownership of properties in the Beetaloo Valley. Furthermore, the statement implies that there are no dwellings in the Beetaloo Valley closer than 2.9km to a wind turbine. This is incorrect. Our home at 21 Beetaloo Valley Rd, Beetaloo Valley, (H17 on Figure 5.1 p39 Vol 1 of the application), is the closest non-beneficiary residence to the Wind Turbine Generators (WTG). **The closest WTG to our dwelling is 1.3 km away. It also appears that there 5WTGs within 2km of our property, and a further 8WTG's between 2 and 3 kms away (ie 13 WTG within 3km).**

Also, to focus on 'BVA dwellings' (sic) is to potentially ignore the evidence in the Neoen Volume 2, Landscape Visual Impact Assessment Fig 20, that illustrates **8 non-host properties 2km or closer distance from WTGs, and a total of 28 non-host dwellings 3km or less from the WTG's.**

- Neoen Vol 1, p 38 *'Sonus undertook a noise impact assessment to determine the effect of construction and operational noise would have on both the neighbouring landowners and the beneficiary landowners associated with the proposed development. The assessment was undertaken against the relevant criteria as provided by the Wind farms environmental noise guidelines 2009 (the Guidelines), and the Environment Protection (Noise) Policy 2007. The assessment was made based on the information derived from monitoring which occurred at 5 locations in the vicinity of the proposed wind farm between 7 December 2017 and 24 January 2018.'*

Sonus accurately title their report in Vol 2 'Environmental Noise Assessment'. They have provided modelling of predicted noise levels in relation to WTGs that are averaged. There does not appear to be any serious attempt to provide any information based on facts about the known wind turbine noise *impacts* (definition of IMPACT in the English Collins Dictionary: *"To impact on a situation, process, or person means to affect them"*¹). Therefore, for Neoen to refer to the Sonus report as a Noise Impact Assessment. (Volume 2 Table of Contents, and in Volume 1 p37 38 and elsewhere) is inaccurate and inappropriate at best, and deliberately misleading at worst. A noise *impact* assessment should, by definition, include information not limited to noise prediction modelling.

¹ <https://www.collinsdictionary.com/dictionary/english/impact>

Furthermore, Sonus cannot claim ignorance of adverse health effects or adverse impacts for neighbours to wind turbines, including sleep disturbance, given that their own SONUS document commissioned by Wind Industry lobby group the Clean Energy Council in 2010 referenced in Dr Bob Thorne's report (Attachment 1: Noise Impact Assessment Commentary Crystal Brook Windfarm South Australia, Report No 4154 20 June 2018) mentions sleep disturbance as an issue on page 47.

In addition, the principal of Sonus gave expert evidence in the recent Australian court case (also referenced in Dr Bob Thorne's report) where Justice White (Federal Court) and Deputy President of the AAT, Ms Bean, found that wind turbine noise could be a pathway to disease and that the current regulatory framework for wind turbine noise using dBA alone does not protect people.²

Acoustic consultants such as those employed by Sonus have a duty of care, and a professional obligation to protect the health and safety of the community according to the Australian Acoustical Society Code of Ethics.³ The exact words are, under the first item of "Responsibility":

"The welfare, health and safety of the community shall at all times take precedence over sectional, professional and private interests".

It is my personal opinion that SONUS may be at risk of professional negligence action from all those who will be adversely affected by the noise and vibration from this proposal if it is approved and built. Acousticians internationally have already been sued for professional negligence⁴ for precisely this reason and it is only a matter of time before the same happens in Australia, in conjunction with litigation for noise nuisance.

There are no studies at all, yet, into human populations exposed to noise to wind turbines of the size and power generation capacity that NEOEN have proposed in this application. Therefore, no assurances such as "no adverse impacts" can be made, by anyone.

However, there are three separate population noise impact studies from much smaller wind turbines in Australia showing sleep disturbance alone is a problem out to 10 km. One of these studies, by Mary Morris,⁵ was included by the NHMRC commissioned Adelaide based Literature Review, and involves a wind farm at Waterloo, ie in the mid North of South Australia.

² <https://waubrafoundation.org.au/resources/aat-decision-reasons-waubra-foundation-vs-acnc-dec-4-2017/>

³ <http://www.acoustics.asn.au/code-ethics>

⁴ <https://stopthesethings.com/2016/07/01/wind-farm-noise-victims-sue-developer-noise-consultant-for-millions/>

⁵ <https://waubrafoundation.org.au/resources/waterloo-wind-farm-survey-2012/>

Mrs Morris subsequently documented the resolution of sleep problems in individuals who were keeping sleep diaries when the turbines were unable to operate for a week – known as a cross over study, providing powerful epidemiological evidence that exposure to operating wind turbines was indeed affecting residents' sleep negatively.⁶

Most recently Mrs Morris has documented the errors and material omissions from the SA EPA study of the Waterloo Wind Farm, and co-authored a paper with leading Australian Acoustician Steven Cooper, presented at the American Acoustical Society conference in December 2017 in New Orleans. Red flags should be being raised in many quarters within government regarding the mounting evidence suggestive of regulatory capture of the South Australian EPA. Its senior noise expert was well aware in 2009 that amplitude modulation was a problem with respect to wind turbine noise.⁷

There is recent laboratory research from Sweden reported in September 2016 showing that even fit young people will have disturbed sleep in the very short term if the reproduced wind turbine noise contains strong amplitude modulation, and that REM sleep in particular is affected.⁸

Most recently there is laboratory research by Steven Cooper first presented in New Orleans in December 2017,⁹ and most recently in May 2018 in Crete at Eurnoise¹⁰ as an invited speaker, showing evidence of direct causation of symptoms by wind turbine noise recordings ie that wind turbine noise recordings replayed in a laboratory can induce the characteristic symptoms in people who have become sensitised to wind turbine and other sources of industrial noise and that the reported reactions occur with 100% accuracy **despite the fact that the sound was not heard by them**. These sound recordings included amplitude modulated wind turbine noise between 30 – 1200 Hz, at or just below the threshold of hearing. **In other words, inaudible but amplitude modulated sound directly causes the symptoms that people living near wind turbines have been complaining of around the world.**

Relevant Issues arising...

Sonus have already previously admitted in the 2010 SONUS document for the Clean Energy Council that they know that the audible swish from amplitude modulated sound can be a problem for sleep disturbance.

⁶ <https://waubrafoundation.org.au/resources/morris-m-waterloo-case-series-preliminary-report/>

⁷ https://www.acoustics.asn.au/conference_proceedings/AAS2012/papers/p6.pdf

⁸ <https://waubrafoundation.org.au/resources/smith-m-g-et-al-physiological-effects-wind-turbine-noise-sleep/>

⁹ <https://asa.scitation.org/doi/pdf/10.1121/2.0000653>

¹⁰ http://www.eurnoise2018.eu/docs/papers/395_Eurnoise2018.pdf

More broadly, why is there no effective regulation for prevention of amplitude modulation by the South Australian EPA, and its known harmful effects to neighbours?

Why did wind industry acousticians influence the SA EPA to avoid specifically mentioning amplitude modulation in their Wind Turbine Noise Guideline (2009)?¹¹ Is it possible that the millions of dollars wind industry acousticians receive for working as consultants to the wind industry could have played a part?

Why is no penalty proposed by Sonus for this particular project with respect to amplitude modulation that is an inherent characteristic of wind turbine noise?

Personal Relevance to my own family situation

This latest laboratory and field research is of particular interest to myself and my family, given our home's close proximity to the proposed Neoen project, and given the additional problem for each of us, that each of us has one or more of the susceptibility or risk factors for developing problems with wind turbine noise sooner rather than later.

These risk factors were first identified by Dr Nina Pierpont, a scientist and specialist paediatrician from the USA, and include the extremes of age, a history of migraines, motion sickness, and inner ear damage.

The existence of these risk factors was later endorsed by low frequency noise acoustic expert Dr Geoff Leventhall, based in the UK, who has given evidence in court cases for wind power operators in the UK and Canada.

Leventhall also told the Australian Senate Inquiry in Canberra in June 2015 that it was amplitude modulation that "upsets" people, and that he had been saying this for 10 years. **The fact that amplitude modulated, inaudible, recorded wind turbine sound can trigger acute symptoms is precisely what Steven Cooper's latest laboratory research has now shown. It does indeed "upset" people. It also makes them feel very ill.**

In addition to the accepted risk factors of migraines and motion sickness, our children have already been exposed to wind turbine noise commuting between Beetaloo and Adelaide. We (and the children) know that on occasions they experience symptoms when the turbines are turning as we drive past, and they regularly experience unpleasant symptoms of pressure headaches and pulsing in their ears driving past the wind turbines adjacent to Highway 1, between our home at Beetaloo and Adelaide. This has also occurred at night when they have been

¹¹ Information obtained under FOI from the EPA and held by various parties including members of the community as well as the current Minister for Energy, Dan Van Holst Pellekaan and the current Minister for Planning, Stephan Knoll

woken up from sleep when they had no way of knowing where we were or our proximity to wind turbines, so any inference that suggestibility is causing the symptoms is not supported by the facts. At times the symptoms have also included acute, severe, sudden nausea and dry retching /vomiting whilst travelling along a straight stretch of road adjacent to banks of turbines between Snowtown and Redhill.

So, we as a family have a better understanding than many others of precisely what this proposed wind power development may mean, for us, if it is ever approved and built.

Noise Monitoring offer

It is also notable that the 3 closest non-associated residences, of which we are the closest, have not had noise monitoring by Sonus or an independent qualified acoustician. We were in fact offered noise monitoring in an email from Neoen 5/5/17, however Neoen rejected our conditions which included use of an independent acoustician, and full accessibility to, and transparency of, any data obtained. Neoen refused to negotiate on these conditions, with Garth Heron writing to me in an email 22/5/17 *'The conditions you propose are, unfortunately, not in line with what is required to meet those requirements and as a result your property will not be included in the background monitoring assessments'*.

Furthermore, the email from Neoen dated 5/5/17 offering the noise assessment was the first personal contact I had received from Neoen regarding this development. The Head of Wind Development, in his 22/5/17 rejection to my independent noise monitoring proposal did include an offer to call him to *'discuss any aspect of the project or to arrange a face to face meeting'*. Given the fact that we are the closest non-host home to the wind turbine proposal and potentially significantly impacted, and that Neoen had refused transparency of data collection and independent noise assessment, I found the rather late contact from, and offer of face to face meeting, demonstrated an underlying lack of concern of the proponent for its potentially severely impacted neighbours. Their *'community engagement'* process and their refusal to share acoustic data obtained completely lacks integrity.

- Neoen Vol 1 Appendix B, p7: *'The redesign of the project also took into account concerns expressed by the Beetaloo Valley Association, with the result being that no BVA dwelling is any closer than 2.9km to a turbine, with the majority at a distance well over 5km'*

This is a repetition of the error, noted earlier, on p3 of the application. In addition, the BVA never *'expressed concerns'* to Neoen on behalf of its members. Community meetings were attended by concerned citizens who may or may not have been members of the BVA. Not all landowners are necessarily members of the BVA, some members have been hosts and some non-hosts, and it is incorrect and *deliberately misleading* to use the Beetaloo Valley Association descriptor to characterise

dwellings in relation to proximity to the turbines, as it will not include all impacted dwellings in the valley.

As mentioned above in the second dot point, our home at 21 Beetaloo Valley Rd, Beetaloo Valley, (H17 on Figure 5.1 p39 Vol 1 of the application), is the closest non-beneficiary residence to the Wind Turbine Generators (WTG). The closest WTG to our dwelling is 1.3 km away. It also appears that there are 5WTGs within 2km of our property, and a further 8WTG's between 2 and 3 kms away (ie 13 WTGs within 3km of our property).

Multiple other non-host homes in the valley are just outside the '2.9 km' distance, a measure that appears to have been deliberately chosen to give the misleading impression of minimal homes impacted. Furthermore, there appear to be 26 non-host homes outside of the Beetaloo Valley impacted by the wind facility that are 3km or closer in distance. (see Neoen Volume 2, Landscape Visual Impact Assessment Fig 20 for locations of dwellings and distance from WTGs).

2. Visual impact

- Neon Vol 2, *Project Description and impact assessment findings, Landscape and Visual Impact Assessment, by Green Bean Design:*

The scale indicator on figures 5, 13, 24 and 25 is incorrect. The 2km should be 1km

- Neon Vol 2, Project Description and impact assessment findings, Landscape and Visual Impact Assessment (LVIA), by Green Bean Design, Table 14, records for our home, H17, *"Short distance views would potentially extend from the dwelling and curtilage in a southerly direction toward wind turbines within the northern portion of the Project Site; however, views toward the majority of wind turbines are likely to be restricted and/or completely screened by tree cover beyond the dwelling"* "Visual effect: low" The same report in figures 20 and 21 indicates we are likely to see 25 or more hubs and the blades above!

In the LVIA table 14 above there is 'low' visual effect of the turbines from our property H17. The issue of vision for our home is not the view from inside the house, it is when enjoying the amenity outside that the visual presence is significant. It is grossly misleading to suggest that turbines, the closest which is 1.3km away, 240m high from base to tip, and which are located on hills that are 50 to 100 m higher in altitude than the property will have 'low visual effect', notwithstanding the trees and shrubs of the property. The WTGs will dominate the landscape in precisely the way the Port Pirie Smelter dominates the Port Pirie Landscape. Yet the Smelter stack at 205m high is lower than the proposed turbines rotor tip height (240m), is virtually at sea-level, and is a single structure!

Significantly, in a moment of objectivity on p8 of the LVIA report *'it is acknowledged that the degree to which the wind turbines may be visually mitigated is limited by their scale and position within the landscape relative to surrounding view locations.'*

That this intrusive and dominant visual impact of the WTGs should be contemplated in the 'southern gateway to the Flinders Ranges' is breathtaking in its complete disregard and wilful blindness to the natural beauty and unique character of the region, a character not least celebrated by The Heysen Trail which traverses through the middle of the proposed WTG site.

Indeed on p165 of the Port Pirie Regional Council Development Plan (October 2017), under Rural Landscape Protection Zones Objectives, it states, *"The western slopes of the southern Flinders Ranges are an important natural asset to both the agricultural and tourism industries. Development which is undertaken in this zone should be small scale and be sited unobtrusively so as to blend with and preserve the character and amenity of the locality and be landscaped with the use of local endemic species to screen development from public view"*.

Whilst most of the proposed WTGs are immediately adjacent to, but *not* in the Ranges Zone (except for WTG CB18, which is therefore non-complying), due to their extremely large scale and prominent siting will, *de facto*, have significant visual intrusion *into* the Ranges Zone, and clearly not blend with and preserve the character and amenity of the locality.

3. Property Value impact

- Neoen V1, Appendix B, p11 cites papers that there is *'insufficient evidence to suggest that wind farms can be linked to adverse impacts on property prices'*.

Given that impacted properties are on occasions purchased by wind turbine proponents, inclusive of gag clauses, that 'evidence' referred to is likely to be elusive and difficult to obtain. However there is evidence from a legal case from 2012 in the Federal Magistrates Court of Australia that an Industrial Wind Power Factory proposal, did indeed devalue properties nearby.¹² The valuers in that case agreed that the drop in value of the properties due to the wind farm if it was constructed was estimated at \$525,00 (17.5% of \$3 million) and the valuers also agreed that

"the proposed wind farm is likely to have a greater deleterious impact on the value of "lifestyle" properties such as the southern block than on land intended only for agricultural use".

¹² <https://www.wind-watch.org/documents/effect-of-proposed-wind-farm-on-value-of-rural-property/>

It is blatantly self-evident that any property in proximity to an industrial scale wind turbine power plant that was imposed in a rural locality previously free of a large scale built industrial landscape will diminish in desirability, safety and therefore market value.

Lifestyle and rural living properties can therefore lose significant value or can simply not be able to be sold at all.

Conclusion

Substantiated evidence in this submission has been presented supporting the rejection of the Neoen application, an application which includes multiple errors of fact, and strategic misinformation. It is my personal opinion that the proponents have exhibited a callous, disregard for the health, safety and wellbeing of the nearby residents including within the township of Crystal Brook, to this proposed industrial wind power factory. This is particularly relating to the known and emerging knowledge about the adverse effects of acute and chronic exposure to wind turbine noise, and especially with respect to amplitude modulation.

Should this Industrial Wind Turbine Power Factory be approved by the Minister and / or his delegates, we have been advised by expert independent acousticians that my family home will become unliveable for us due to predictable adverse acoustic impacts on human health and well-being. As parents we do not want to risk harm to our children or indeed to ourselves.

It is therefore my intention that should this development be approved, that our family home will be established as a research facility for ongoing independent investigation and analysis of the acoustic output, and impacts of, Industrial Wind Turbines, with the concurrent intention to hold all those responsible for the approval of this project to account for the inevitable harm to its neighbours. I am delighted that a number of independent researchers have already expressed their interest in using this facility for that purpose.

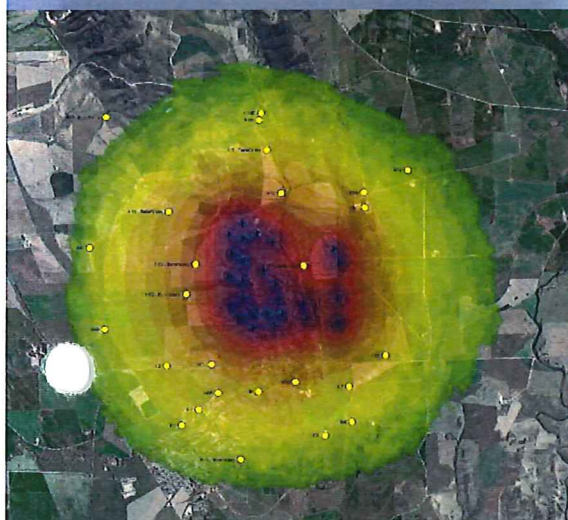
Attachment1: Noise Impact Assessment Commentary Crystal Brook Windfarm South Australia, Report No 4154 20 June 2018)



NOISE MEASUREMENT SERVICES

NOISE IMPACT ASSESSMENT COMMENTARY
CRYSTAL BROOK WIND FARM
SOUTH AUSTRALIA

Report No 4154 20 June 2018



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1 pdf	0	Ian Peterson
2	0	Noise Measurement Services

REPORT FOR Ian Peterson

CONTACT Ian Peterson

Signed



Dr Bob Thorne PhD, FRSPH, MIOA
(Principal)

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Executive Summary

This Report is in response to a request from Mr Ian Peterson for a noise impact assessment commentary with respect to the proposed Crystal Brook Energy Park (CBEP). The commentary presents a set of noise impact assessments based on turbine data provided in Sonus CBEP documentation. The provenance and application of the South Australian wind farm noise guidelines are discussed. The potential for noise impacts is identified.

Introduction

The proposed Crystal Brook Energy Park will have up to 125MW of wind generation comprising 26 turbines (up to 240m in height). Documentation for this project is sourced from:

https://www.saplanningcommission.sa.gov.au/__data/assets/pdf_file/0005/462857/354_V003_18_Application_docs_Part_1.pdf

and

https://www.saplanningcommission.sa.gov.au/__data/assets/pdf_file/0006/462858/354_V003_18_Application_docs_Part_2.pdf

Neoen documentation states that:

The wind turbines and their sites have been selected and sited to meet key impact management criteria including:

- *The EPA's noise criteria*
- *A minimum distance of 1km from un-involved residences and 2km from the closest zoned living area (the Rural Living Zone)*

However, Neoen also states, in relation to concern about noise and potential health effects:

Concern raised in relation to noise and infrasound and potential health impacts on the local community

The development must comply with the SA Environment Protection Authority (EPA) Wind Farm Guidelines. Expert acoustic engineering advice has been integral to the siting of the proposed wind turbines to ensure the SA Environment Protection Authority (EPA) Wind Farm Guideline is met.

Regarding infrasound, there is no scientific data to suggest that the levels of low frequency noise emitted by wind turbines make humans sick. Research to date has not shown any negative health effects at the noise levels produced by operational wind turbines.

The project team has also taken a conservative approach, and no wind turbines will be located within 1.3km of a non-involved landholder (the Guidelines specify 1km).

DISCUSSION

1. Ambient Sound Levels

Appendix A refers to the ambient noise level and weather surveys being undertaken by residents.

2. Wind Farm Noise Calculations

Wind farm noise calculations, tabulated sound levels at residences, and graphical noise exposure contours are presented in Appendix B. A standard (ISO 9613-2) noise prediction model is applied. Two wind turbine sound power levels are applied; 105 dB(A) and 110 dB(A), as there is no certainty that the *indicative* 105 dB(A) SWL noise turbine nominated in the Sonus report 'Crystal Brook Energy Park Environmental Noise Assessment March 2018' will be the turbine installed.

- The 110 SWL contour provides a practical and reasonable approach to assessing the '105 dB SWL turbine plus 5 dB penalty for amplitude modulation' zone of influence.
- As an absolute the minimum the applicant must provide the true certified sound power levels, operational conditions (e.g. is there a 'low-noise' mode) and wind speed data for each turbine type to be installed.

3. Potential for Adverse Health Effects

An Administrative Appeals Tribunal Decision that specifically addresses the potential for adverse health effects due to wind farm noise is presented in Appendix C.

4. South Australia Noise Legislation and Wind Farm Guidelines

Relevant sections of the South Australian noise policy, noise characteristics and wind farm guidelines are presented and discussed in Appendix D.

5. Amplitude Modulation and Other Characteristics

Relevant sections from a Sonus paper addressing wind farm noise, amplitude modulation and other characteristics are presented in Appendix E. This material and a potential 5 dB penalty is not addressed in the Sonus report 'Crystal Brook Energy Park Environmental Noise Assessment March 2018'.

6. Glossary

A Glossary of terms is provided in Appendix F.

Appendix A: Ambient Sound Levels

Ambient sound level monitoring commenced at three residential locations in October 2017. Sound levels are collected at 10-minute intervals with Class 1 BSWA Model 308 sound level meters. Depending on the location, each meter collects time-average (LAeq) and statistical (e.g. LA90) sound levels or time-average and one-third octave band sound levels.

Each meter is connected to a soundcard to record audible, low frequency and infrasound. A second microphone provides recording for infrasound and low frequency sound.

A Davis weather station collects weather data as wind speed and direction, temperature, humidity, barometric pressure and rainfall, also at 10-minute intervals.

Appendix B: Wind Farm Noise Calculations

The ISO 9613 standard from 1996 is the most used noise prediction method worldwide. Many countries refer to ISO 9613 in their noise legislation. However, the ISO 9613 standard does not contain guidelines for quality assured software implementation, which leads to differences between applications in calculated results. In 2015 this changed with the release of ISO/TR 17534-3. This quality standard gives clear recommendations for interpreting the ISO 9613 method. The calculations in this Commentary are implemented with SoundPLAN 8. SoundPLAN supports and complies with changes that have been proposed to ISO/TR 17534-3:2015, relating to acoustics software for the implementation of standards associated with the calculation of sound outdoors.

The recommended changes outlined to ISO 9613-2 will help improve the accuracy of calculated sound levels, which can currently differ significantly.

Noise modelling presents 'single-figure dB(A)' values to provide a *simplified overview of potential noise exposure*. The effects of low frequency sound and amplitude modulated sound are not considered. *As such, the levels must be adjusted in terms of real-life '24/7/365' application.*

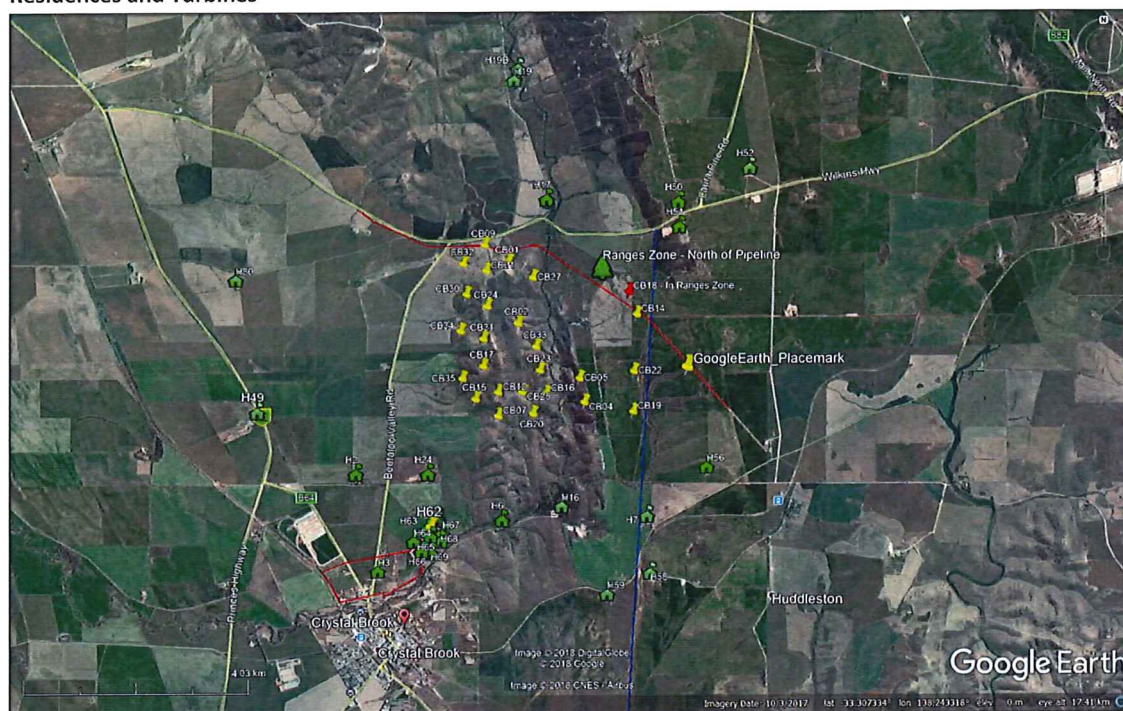
The calculations and modelling in this Commentary are under Default conditions as these present the readily assessable conditions for a slight downwind breeze for comparison purposes. *In practice, under field observations, real conditions can vary significantly due to temperature changes, changes in wind speed and direction, and changing operational conditions applied to the wind farm turbines.* These variations can happen quickly, in minutes, and noise modelling does not normally present these important variations.

Model Variables	
Noise Model Standard	ISO 9613-2: 1996
Air absorption Standard	ISO 9613-1
Ground Absorption Factor	0.5
Air Pressure	1013.3 mbar
Relative Humidity	70.00%
Temperature	10.0 °C
Receptor Height (m)	1.5

Noise Source											
Model	GE 4.8-158 Wind Turbine Generator										
Hub Height (m)	160										
Rotor Diameter (m)	158										
Sound Power Level	Sum	16Hz	31Hz	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
dB(Z)	125	124	117	113	109	105	101	101	96	85	71
dB(A)	105	67	78	87	93	96	98	101	97	86	70

The noise prediction locations and turbine sound power data have been recorded from information provided by Mr Peterson.

Residences and Turbines



Results for the ISO Default condition, Port Pirie wind rose, and 100% southerly wind at 6m/s are presented in Table 1 and graphically in Plates 1 to 6.

Table 1: Summary forecast noise levels (LAeq) for different operational scenarios

Receiver	Forecast Noise Level (dB(A))					
	Turbine SWL 105dB(A)			Turbine SWL 110dB(A)		
	ISO Default Met	Port Pirie Met	100% Southerly Wind	ISO Default Met	Port Pirie Met	100% Southerly Wind
H2	29.0	27.6	26.5	34.1	32.7	31.6
H3	24.3	22.4	19.7	29.4	27.5	24.8
H4	27.3	25.6	23.1	32.4	30.7	28.2
H6	28.1	27.1	25.2	33.2	32.2	30.3
H7	30.0	29.1	27.4	35.1	34.2	32.5
H12 - Beneficiary	35.9	35.6	35.5	41.0	40.7	40.6
H13 - Beneficiary	37.9	37.7	37.8	43.0	42.8	42.9
H14 - Beneficiary	31.2	30.5	31.0	36.3	35.6	36.1
H15 - Beneficiary	40.5	40.5	40.5	45.7	45.6	45.6
H16	32.8	32.0	30.6	37.9	37.1	35.7
H17	35.1	34.9	35.1	40.2	40.0	40.2
H18 - Beneficiary	27.5	26.9	27.5	32.6	32.0	32.6
H19	24.6	23.7	24.6	29.7	28.8	29.7
H19B	23.9	23.0	23.9	29.1	28.1	29.0
H22 - Beneficiary	9.9	8.5	9.6	15.0	13.6	14.7
H24	33.0	32.4	31.8	38.1	37.5	37.0
H33 - Beneficiary						
H49	24.0	22.4	22.3	29.1	27.5	27.4
H50	29.4	28.8	29.3	34.5	33.9	34.4
H51	31.0	30.7	30.9	36.1	35.8	36.0
H52	22.0	21.2	21.9	27.1	26.3	27.0
H56	30.0	29.4	28.6	35.1	34.5	33.7
H58	23.9	22.5	19.5	29.0	27.6	24.6
H59	25.3	23.6	20.3	30.4	28.8	25.4
H60	30.2	29.0	26.9	35.3	34.1	32.0
H75 - Beneficiary	19.5	17.6	13.7	24.6	22.7	18.8
H80	22.5	21.1	21.8	27.6	26.2	26.9

Plate 1: Calculations under ISO 9613-2 default settings, turbines at 105 dB(A) sound power level

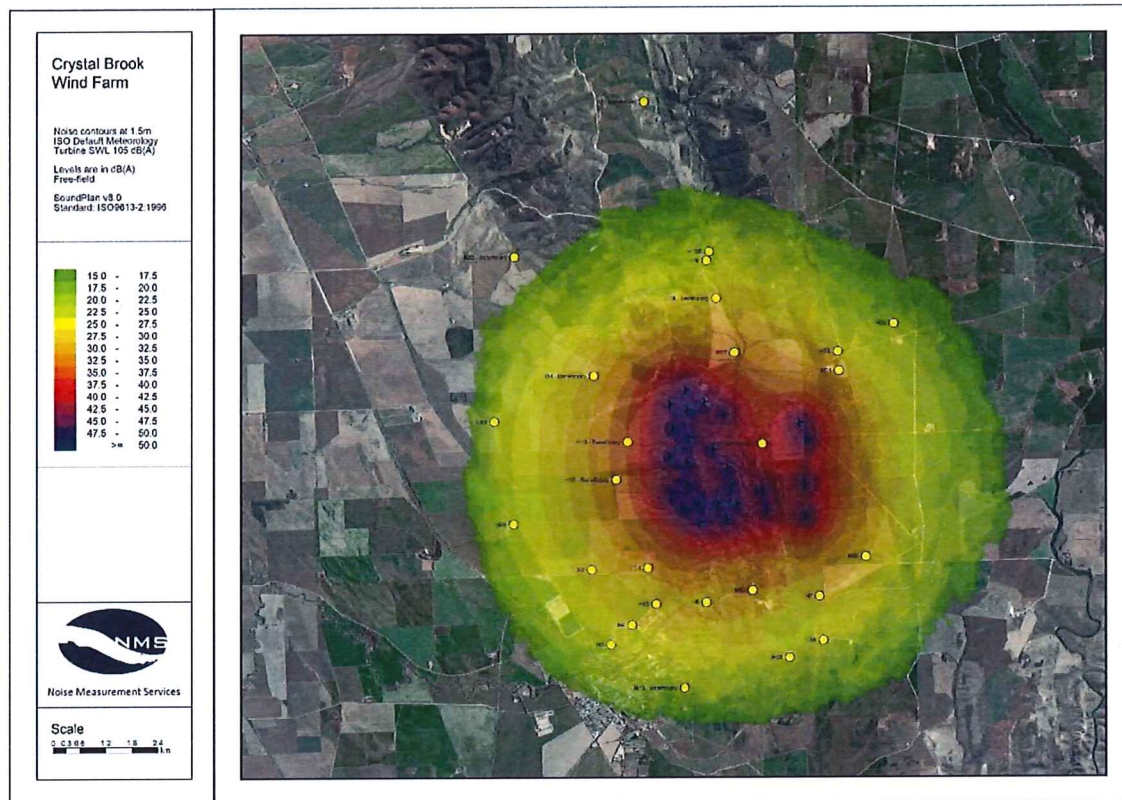


Plate 2: Calculations with Port Pirie wind rose data, turbines at 105 dB(A) sound power level

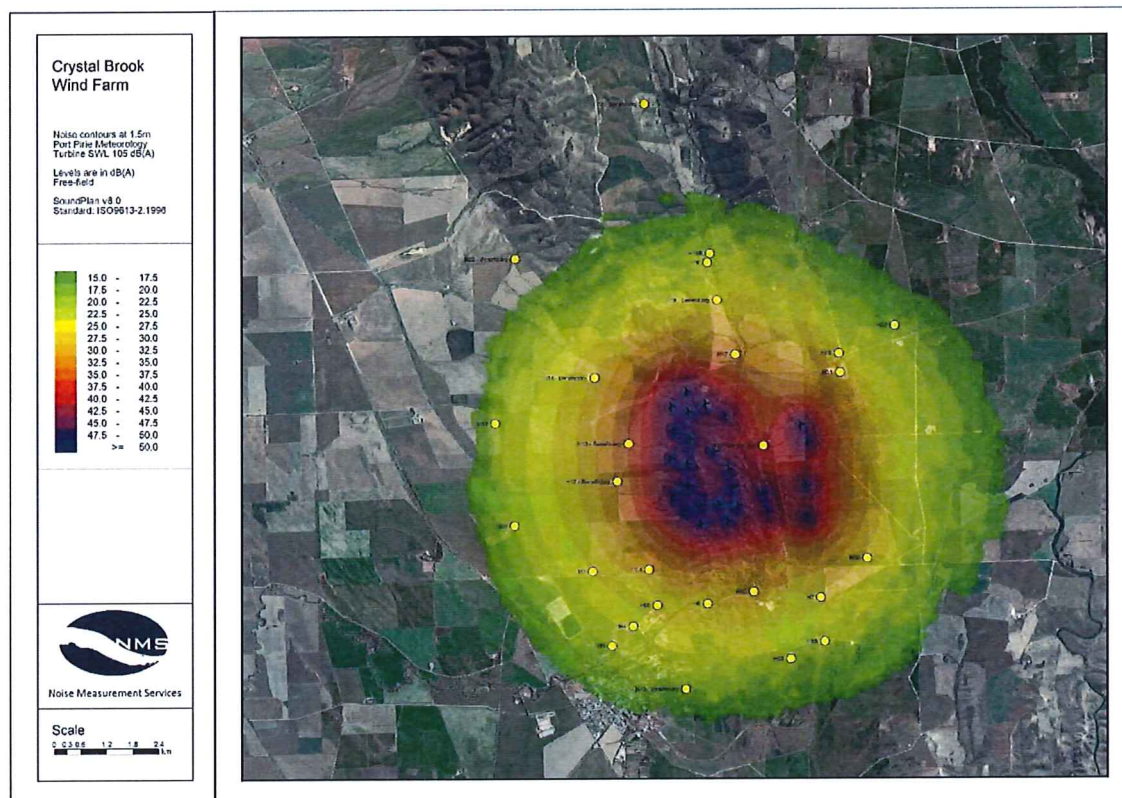


Plate 3: Calculations with 6m/s wind from the south, turbines at 105 dB(A) sound power level



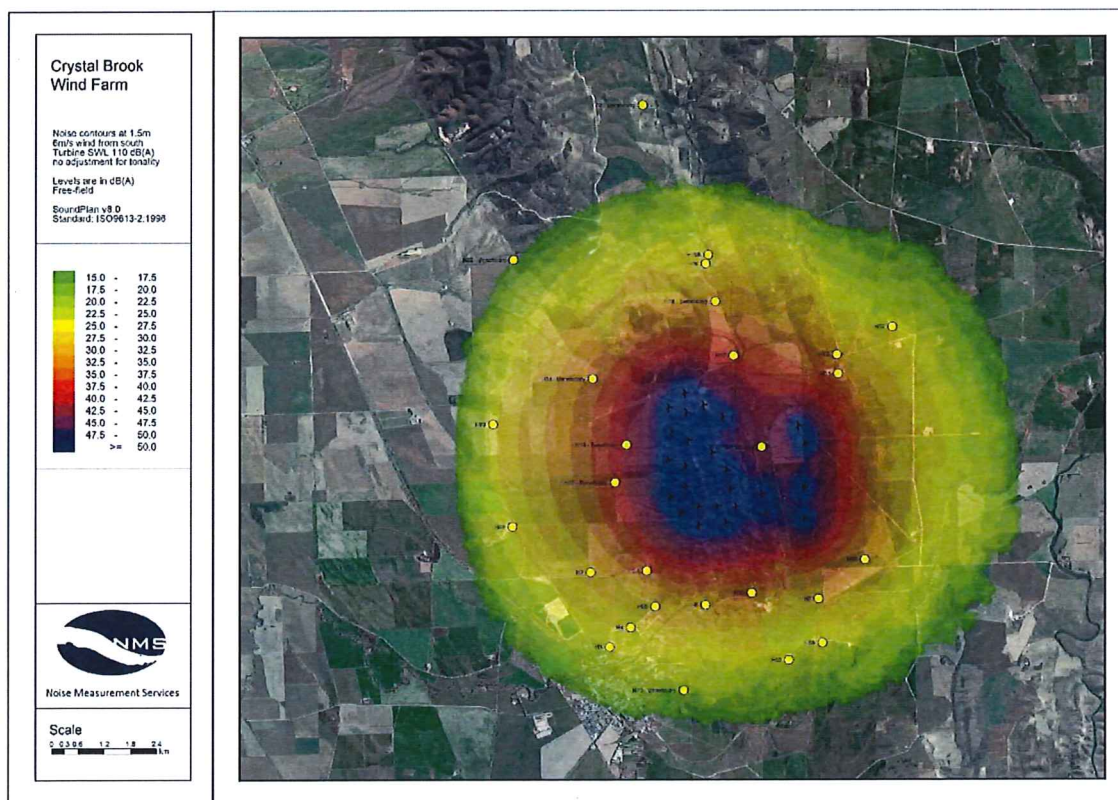
Plate 4: Calculations under ISO 9613-2 default settings, turbines at 110 dB(A) sound power level



Plate 5: Calculations with Port Pirie wind rose data, turbines at 110 dB(A) sound power level



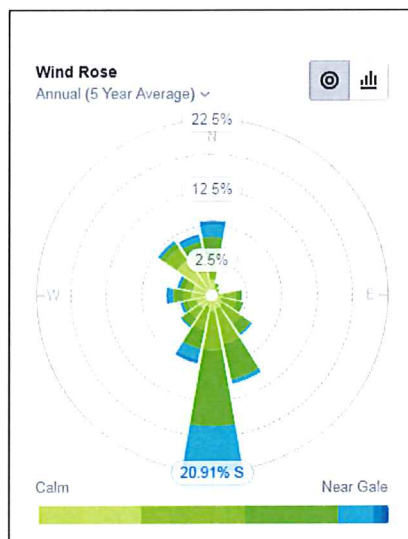
Plate 6: Calculations with 6m/s from the south, turbines at 110 dB(A) sound power level



Summary calculations

Receiver	Forecast Noise Level (dB(A))					
	Turbine SWL 105dB(A)			Turbine SWL 110dB(A)		
	ISO Default Met	Port Pirie Met	100% Southerly Wind	ISO Default Met	Port Pirie Met	100% Southerly Wind
H2	29.0	27.6	26.5	34.1	32.7	31.6
H3	24.3	22.4	19.7	29.4	27.5	24.8
H4	27.3	25.6	23.1	32.4	30.7	28.2
H6	28.1	27.1	25.2	33.2	32.2	30.3
H7	30.0	29.1	27.4	35.1	34.2	32.5
H12 - Beneficiary	35.9	35.6	35.5	41.0	40.7	40.6
H13 - Beneficiary	37.9	37.7	37.8	43.0	42.8	42.9
H14 - Beneficiary	31.2	30.5	31.0	36.3	35.6	36.1
H15 - Beneficiary	40.5	40.5	40.5	45.7	45.6	45.6
H16	32.8	32.0	30.6	37.9	37.1	35.7
H17	35.1	34.9	35.1	40.2	40.0	40.2
H18 - Beneficiary	27.5	26.9	27.5	32.6	32.0	32.6
H19	24.6	23.7	24.6	29.7	28.8	29.7
H19B	23.9	23.0	23.9	29.1	28.1	29.0
H22 - Beneficiary	9.9	8.5	9.6	15.0	13.6	14.7
H24	33.0	32.4	31.8	38.1	37.5	37.0
H33 - Beneficiary						
H49	24.0	22.4	22.3	29.1	27.5	27.4
H50	29.4	28.8	29.3	34.5	33.9	34.4
H51	31.0	30.7	30.9	36.1	35.8	36.0
H52	22.0	21.2	21.9	27.1	26.3	27.0
H56	30.0	29.4	28.6	35.1	34.5	33.7
H58	23.9	22.5	19.5	29.0	27.6	24.6
H59	25.3	23.6	20.3	30.4	28.8	25.4
H60	30.2	29.0	26.9	35.3	34.1	32.0
H75 - Beneficiary	19.5	17.6	13.7	24.6	22.7	18.8
H80	22.5	21.1	21.8	27.6	26.2	26.9

Plate 7: Port Pirie wind rose



Port Pirie is the closest BOM station at 23 km distant

Wind rose recorded from:

<https://wind.willyweather.com.au/sa/flinders-ranges-and-outback/port-pirie.html>

Additional weather data for Crystal Brook is available in pictorial form from Meteoblue:

https://www.meteoblue.com/en/weather/archive/windrose/crystal-brook_australia_2073422

Appendix C: Potential for Adverse Health Effects

Whether there is evidence that wind farm emissions cause or are associated with diseases, and, whether there is a plausible basis for thinking that wind farm emissions could lead to disease has been considered in the case: Waubra Foundation and Commissioner of Australian Charities and Not-for-profits Commission [2017] AATA 2424 (4 December 2017). The Tribunal consisted of the **Honourable Justice White, Deputy President and Deputy President K Bean**.

The official link to the AAT decision on the Austlii website is here: <http://www.austlii.edu.au/cgi-bin/viewdoc/au/cases/cth/AATA/2017/2424.html>

The section of the judgment dealing with wind turbine noise being a pathway to disease is summarised here:

Excerpts from Pages 141 to 148 of the Decision

468. The propositions which we understand have unanimous support from the relevant experts or are not contested include the following:

- Wind turbines emit sound, some of which is audible, and some of which is inaudible (infrasound);
- There are numerous recorded instances of WTN exceeding 40 dB(A) (which is a recognised threshold for annoyance/sleep disturbance);
- There are also recorded instances of substantial increases in sound at particular frequencies when particular wind farms are operating compared with those at times when they are shut down;
- If it is present at high enough levels, low frequency sound and even infrasound may be audible;
- WTN is complex, highly variable and has unique characteristics;
- The amount and type of sound emitted by a wind farm at a given time and in a given location is influenced by many variables including topography, temperature, wind speed, the type of wind turbines, the extent to which they are maintained, the number of turbines, and their mode of operation;
- Wind farms potentially operate 24 hours a day, seven days a week;
- There are numerous examples of WTN giving rise to complaints of annoyance from nearby residents, both in Australia and overseas.

469. The propositions which are supported by the preponderance of relevant expert opinion, and which we accept on that basis, include the following:

- A significant proportion of the sound emitted by wind turbines is in the lower frequency range, i.e. below 20 Hz;
- The dB(A) weighting system is not designed to measure that sound, and is not an appropriate way of measuring it;

- *The most accurate way of determining the level and type of sound present at a particular location is to measure the sound at that location;*
- *The best way of accurately measuring WTN at a particular location is through 'raw' unweighted measurements which are not averaged across time and are then subjected to detailed "narrow-band" analysis;*
- *When it is present, due to its particular characteristics, low frequency noise and infrasound can be greater indoors than outdoors at the same location, and can cause a building to vibrate, resulting in resonance;*
- *Humans are more sensitive to low frequency sound, and it can therefore cause greater annoyance than higher frequency sound;*
- *Even if it is not audible, low frequency noise and infrasound may have other effects on the human body, which are not mediated by hearing but also not fully understood. Those effects may include motion-sickness-like symptoms, vertigo, and tinnitus-like symptoms. However, the material before us does not include any study which has explored a possible connection between such symptoms and wind turbine emissions in a particular population.*

470. *We consider that the evidence justifies the following conclusions:*

- *The proposition that sound emissions from wind farms directly cause any adverse health effects which could be regarded as a "disease" for the purposes of the ACNC Act is not established;*
- *Nor, on the current evidence, is there any plausible basis for concluding that wind farm emissions may directly cause any disease;*
- *However, noise annoyance is a plausible pathway to disease;*
- *There is an established association between WTN annoyance and adverse health effects (eg. this was established by the Health Canada study);*
- *There is an established association between noise annoyance and some diseases, including hypertension and cardiovascular disease, possibly mediated in part by disturbed sleep and/or psychological stress/distress;*
- *There are as yet no comprehensive studies which have combined objective health measurements with actual sound measurements in order to determine for a given population the relationships between the sound emissions of wind turbines, annoyance, and adverse health outcomes. Indeed there is as yet no study which has given rise to a soundly based understanding of the degree to which particular types or levels of wind turbine emissions give rise to annoyance, or what levels or types of emissions are associated with what level of annoyance in the population. Because it relied on calculated rather than actual sound measurements, and was limited to the A and C-weighted systems, the Health Canada study did not do this.*

473. *The applicant submitted that the evidence in the hearing provided plausible and credible evidence of the kind required. Counsel referred in particular to the effect of noise on sleep and, in particular, in disturbing sleep. It was not contentious that impaired sleep, if sufficiently serious, may result in a number of*

ailments and diseases. Professor Wittert said that “depression and sleep disturbance are, respectively, the first and third most common psychological reasons for patient encounters in general practice”. The professor went on to say that insomnia doubles the risk of future development of depression and that insomnia symptoms together with shortened sleep are associated with hypertension. Professor Wittert also said that a person suffering from restricted sleep is exposed to an increased risk of elevated blood sugar levels and endocrine disorders such as diabetes, symptomatic ischaemic heart disease, hypertension, obesity, insomnia and anxiety related illnesses.

476. As our earlier findings have indicated, some wind farms generate sound which is capable of causing, and does cause, annoyance. We are further satisfied that annoyance of the kind which is generated (often associated with psychological distress and sleep disturbance), is a recognised pathway to a range of adverse health outcomes, including hypertension and cardiovascular disease.

481. It follows in our view that the applicant has established that there is a plausible basis for thinking that wind turbine sound (mediated by annoyance) may lead to adverse health outcomes, such as to warrant further investigation. It is unnecessary for us to draw conclusions as to the precise nature of the annoyance which is caused, and whether annoyance may be caused by sound which is not audible (infrasound). That is something which we expect will be the subject of further study and investigation. For our purposes, it is sufficient that annoyance is produced, and it appears that it may be associated with adverse health outcomes. An identification of the causes of that annoyance may allow it to be reduced or mitigated and adverse health outcomes to be reduced or avoided.

482. We regard it as particularly significant that the NHMRC has considered that, despite the absence of direct evidence that exposure to wind farm noise affects physical or mental health, and the poor quality direct evidence that wind farm noise is associated with annoyance or sleep disturbance, it is appropriate to provide funding to the extent of \$3.3 million for an evaluation of the “sleep and physiological disturbance characteristics of wind farm noise compared to traffic noise” and for an investigation of whether “exposure to infrasound causes health problems”. Given this degree of recognition by the NHMRC, we do not consider that it should be held that the associations which are the subject of the applicant’s activities do not have plausibility or credibility, although not as yet positively established.

485. Given our finding that there is a plausible basis for considering that wind farm sound emissions may have an adverse effect on human health, we accept that conducting, supporting and advocating for further research or engaging in awareness raising activities could be properly characterised as activities promoting the prevention or control of diseases (in the sense of that term explained earlier).

Appendix D: South Australia Noise Legislation and Wind Farm Guidelines

The South Australia *Environment Protection (Noise) Policy 2007* under the *Environment Protection Act 1993* sets out the requirements for measuring and assessing noise. One of the critical terms is 'characteristic'.

*The Noise Policy states that a **characteristic**, in relation to noise from a noise source, means a tonal, impulsive, low frequency or modulating characteristic of the noise that is determined by the Authority or another administering agency, in accordance with the *Guidelines for the use of the Environment Protection (Noise) Policy 2007* published by the Authority as in force from time to time, to be fundamental to the nature and impact of the noise;*

- **low frequency characteristic**—a noise has a low frequency characteristic if it has a characteristic that dominates the overall noise with content between 20 hertz and 250 hertz;
- **modulating characteristic**—a noise has a modulating characteristic if it varies significantly in frequency character or amplitude;

With respect to wind farms, the Policy states:

34—Wind farms

(1) If a person operates a wind farm, the Wind Farms Environmental Noise Guidelines 2003 prepared by the Authority apply.

(2) In this clause—wind farm means a group of wind turbine generators.

35—Issue of environment protection orders to give effect to guidelines

The Authority or another administering agency may issue an environment protection order to a person who undertakes an activity referred to in this Part to give effect to the guidelines that apply to the activity under this Part.

Comments:

1. It is understood that later Guidelines issued in 2009 are applied by the SAEPA although the Policy does not specifically allow for this later document. The disclaimer to the 2009 Guidelines state:

This publication is a guide only and does not necessarily provide adequate information in relation to every situation. This publication seeks to explain your possible obligations in a helpful and accessible way. In doing so, however, some detail may not be captured. It is important, therefore, that you seek information from the EPA itself regarding your possible obligations and, where appropriate, that you seek your own legal advice.

2. From a technical point-of-view, therefore, as sound/noise monitoring and evaluation professionals we would apply the provisions of the Policy relating to 'characteristics'. This position, we believe, is supported by the information recorded in Appendix E.

3. It would appear that the guidelines do not apply to a specific windfarm, e.g. Crystal Brook, unless and until an environment protection order has been issued to a person who undertakes the wind farm activity.

Appendix E: Amplitude Modulation and Other Characteristics

Sonus, in the document titled '*Wind Farms Technical Paper – Environmental Noise*' dated November 2010 to the Clean Energy Council, state:

Amplitude Modulation

Amplitude modulation is an inherent noise character associated with wind farms. It should be noted that the ambient environment modulates in noise level by a significantly greater margin and over a significantly greater time period than that which would be audible from a wind farm at a typical separation distance. Notwithstanding, the South Australian Guidelines (2003 & 2009) note that the objective standards include a 5 dB(A) penalty for this fundamental and inherent character of amplitude modulation.

A 5 dB(A) penalty is a significant acoustic impost. To reduce a noise source by 5 dB(A) requires either the distance between the source and the receiver to be approximately doubled, or the noise source to reduce its output by two thirds. In wind farm terms, this means the distance between the farm and the nearest dwellings might need to be doubled, or up to two thirds of the total turbine numbers would need to be removed, compared to a wind farm not subject to such a penalty.

The ability to hear the "swish" (amplitude modulation) depends on a range of factors. It will be most prevalent when there is a stable environment (temperature inversion) at the wind farm and the background noise level at the listening location is low. In addition, amplitude modulation is greater when located cross wind from a wind turbine (Olermans and Schepers, 2009). It is noted that whilst the amplitude modulation is greater at a cross wind location, the actual noise level from the wind farm will be lower than at a corresponding downwind location. These conditions are most likely to occur when wind speeds at the wind farm are low under a clear night sky.

The swish is at its greatest under the above conditions as the change in wind speed at increased heights above the ground is also at its greatest, and this results in an increased difference in wind speed as the blades move through the top of their arc and down past the tower. In addition, if there are several turbines subject to similar conditions, then it is possible this can have an amplifying effect on the modulation. The increase in swish under these specific conditions is termed the Van Den Berg Effect, and it is suggested higher levels of swish might result in higher levels of annoyance and potentially sleep disturbance.

The Van Den Berg effect was observed on a flat site in Europe under specific conditions and in the two matters before the NSW Land and Environment Court (Gullen Range wind farm NSW LEC 41288 of 2008 and Taralga wind farm NSW LEC 11216 of 2007), it has been determined by the relevant experts that the required meteorological conditions to trigger the effect were not a feature of the environment. In Gullen Range (NSW LEC 41288 of 2008), the meteorological analysis prepared by Dr Chris Purton concluded that

suitable conditions for this effect are not a feature of the area because of the elevated ridgeline location of the wind farm (Purton, evidence NSW LEC 41288 of 2008).

If suitable conditions did exist to regularly generate high levels of swish, then there is no scientific research to indicate that the existing Standards and Guidelines do not adequately account for it. Indeed, given the conditions are more likely to occur at night, then sleep disturbance would be the main issue to address, and the noise standards applied to wind farms are significantly more stringent than limits established for the potential onset of sleep disturbance. This is discussed in further detail in the following section.

In the first draft of the National Wind Farm Development Guidelines (EPHC, 2009), excessive swish is referred to as one of the potential Special Audible Characteristics (or SACs) along with low frequency, infrasound and tonality. It recommends that:

With the exception of tonality, the assessment of SACs will not be carried out during the noise impact assessment phase, that is, pre-construction. This arrangement reflects two key issues:

- i. There are, at present, very few published and scientifically-validated cases of any SACs of wind farm noise emission being problematic at receivers. The extent of reliable published material does not, at this stage, warrant inclusion of SACs other than tonality into the noise impact assessment planning stage.*
- ii. In the case that reliable evidence did demonstrate merit in assessing such factors during the pre-construction phase, there is a gap in currently available techniques for assessing SACs as part of the noise impact assessment. In part this is due to the causes of most SACs in wind turbine noise emission not yet being clearly understood.*

In summary:

- Swish is an inherent noise characteristic of a wind farm;
- Modulation in noise level is a feature of the ambient noise environment surrounding a wind farm;
- The level and depth of swish can vary with meteorological conditions, and under certain conditions, will be more prevalent;
- The conditions to consistently generate high levels of audible swish have not been established to be a typical feature of Australian wind farms;
- The level, depth, time and testing regime for excessive swish that would justify introducing a more stringent standard have not been established;
- Sleep disturbance is the key issue associated with excessive swish, if it is to occur.

Appendix F: Glossary

Background sound pressure level (LA90,T), LA90

Commonly called the "L90" or "background" level and is an indicator of the quietest times of day, evening or night. The LA90 level is calculated as the noise level equalled and exceeded for 90% the measurement time. The measured LA90 time-intervals are arithmetically averaged to present the "average background" levels of the environment for day/evening/night. The level is recorded in the absence of any noise under investigation. The level is not adjusted for tonality or impulsiveness.

Equivalent Continuous or time average sound pressure level (LAeq,T), Leq

Commonly called the "Leq" level it is the logarithmic average sound/noise level from all sources far and near. The level can be adjusted for tonality.

CAUTION: this is NOT the same measure as described in the Noise Policy definition of *ambient noise level (continuous)* as the Policy definition applies the exponential Fast response.

Façade-adjusted level

A sound level that is measured at a distance of 1.0 metre from a wall or facade. The level is nominally 2.5 dB higher than the free-field level.

Free-field level

A sound level that is measured at a distance of more than 3.5 metres from a wall or facade.

Beneficial

- A term applied to a person or landowner who directly benefits from a project or activity.
- Landowner with a commercial agreement with the wind farm developer.

DPTI:scapreps

From: Joe Koch <kochy260@hotmail.com>
Sent: Wednesday, 27 June 2018 9:13 PM
To: DPTI:scapreps
Cc: DPTI:Minister Knoll; DEWNR:Minister Speirs; lstephens@pirie.sa.gov.au; azubrinish@pirie.sa.gov.au; nwilson@pirie.sa.gov.au; DEM:Minister Dan van Holst Pellekaan; admin@saplanningcommission.sa.gov.au; ddevlin@pirie.sa.gov.au; kjackson@pirie.sa.gov.au; jpaparella@pirie.sa.gov.au; frome@parliament.sa.gov.au; mayor@pirie.sa.gov.au; djohnson@pirie.sa.gov.au; dgadaleta@pirie.sa.gov.au; mhopgood@pirie.sa.gov.au
Subject: STATE COMMISSION ASSESSMENT PANEL: ARBON SUBMISSION
Attachments: ARBON SUBMISSION005.pdf

To The Secretary, State Commission Assessment Panel,

Please find attached our submission against the NEOEN CRYSTAL BROOK ENERGY PARK,
Please ensure our concerns are taken in to consideration when reviewing the proposal,

Gary and Janet Arbon

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Jane + Gary Arban
My phone number: _____

PRIMARY METHOD(S) OF CONTACT: Email address: _____
Postal address: Box 600 Centre SA Postcode 5482

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 16 Campbell St Box 600 Postcode 5482

The specific aspects of the application to which I make comment on are: _____

Not against turbines or renewable energy, but would prefer not to see turbines on the Flinders Range. Totally in favour of solar panels etc but not positioning wind turbines on Flinders Range

I ☐ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
(Please tick one)
by ☐ appearing personally
☐ being represented by the following person : _____
(Cross out whichever does not apply)

Date: 27.6.18 Signature: [Signature]
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: Gerry Nicholson <g.nich@westnet.com.au>
Sent: Wednesday, 27 June 2018 4:36 PM
To: DPTI:scapreps
Subject: Neoen Development Application - Crystal Brook,354/V003/18
Attachments: Nicholson - .pdf

Please see attached document in relation to Neoen Development Application - Crystal Brook,354/V003/18

Gerry Nicholson
30 Dead Horse Gully Road
Crystal Brook
South Australia 5523

Phone 0400103343

155

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: GERRY NICHOLSON
 My phone number: (0400 103 343) (8636 2043)
 PRIMARY METHOD(S) OF CONTACT: Email address: g.nich@westnet.com.au
 Postal address: P.O. Box 201
CRYSTAL BROOK Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is 30 DEAD HORSE GULLY RD. CRYSTAL BROOK Postcode 5523

The specific aspects of the application to which I make comment on are:

- (1) SIZE & PROXIMITY TO CRYSTAL BROOK TOWNSHIP AND THE FLINDERS RANGES. (2) NOISE AND POSSIBLE HEALTH IMPLICATIONS
 (3) PROPERTY DEVALUATION (4) VISUAL IMPACT ON THIS RURAL AREA.
 (5) PRECEDENCE FOR MORE TURBINES ON FLINDERS RANGES.

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)

by ☒ appearing personally
☒ being represented by the following person :
 (Cross out whichever does not apply)

Date: 25.6.18

Signature: G. Nicholson

Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
 scapreps@sa.gov.au

DPTI:scapreps

From: Pam Pilkington <pam@pcc.farm>
Sent: Tuesday, 26 June 2018 6:14 PM
To: DPTI:scapreps
Subject: Development Number 354/V003/18
Attachments: Patricia Greig 26062018.pdf

Please see attachment

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Patricia Greig
 My phone number: 0429 362 376
 PRIMARY METHOD(S) OF CONTACT: Email address: apggreig@bigpond.com
 Postal address: P.O. Box 141
Crystal Brook Postcode 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are: ☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 261 Greig Road, Crystal Brook Postcode 5523

The specific aspects of the application to which I make comment on are:

Imposing on view for town - industrial appearance at the
Start of the Flinders Ranges - down grades town appeal idles tourists away.
Interference with T.V. and internet connections. Internet use is vital
for the running of our farm business, so will interfere significantly with running
of farm. Glare from solar panels will shine directly onto my sons house & yard
Constantly ☐ wish to be heard in support of my submission
Interfere with his ☒ do not wish to be heard in support of my submission
family's by daily (Please tick one)
life. ☐ appearing personally
☒ being represented by the following person : Pam Pilkington
 (Cross out whichever does not apply)

Date: 25-6-18 Signature: P. Greig
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

DPTI:scapreps

From: roscommon2@bigpond.com
Sent: Wednesday, 27 June 2018 3:23 PM
To: DPTI:scapreps
Cc: ministerknoll@sa.gov.au; minister.speirs@sa.gov.au; dem.ministerVHP@sa.gov.au; admin@saplanningcommission.sa.gov.au; frome@parliament.sa.gov.au; mayor@pirie.sa.gov.au; lstephens@pirie.sa.gov.au; azubrinich@pirie.sa.gov.au; nwilson@pirie.sa.gov.au; ddevlin@pirie.sa.gov.au; kjackson@pirie.sa.gov.au; jpaparella@pirie.sa.gov.au; djohnson@pirie.sa.gov.au; dgadaleta@pirie.sa.gov.au; mhopgoog@pirie.sa.gov.au
Subject: Crystal Brook Energy Park
Attachments: img355.jpg; img356.jpg

Please find attached a representation on notification showing our objection to the proposed Crystal Brook Energy Park – in particular the wind turbines.

Regards
Anne Clothier
roscommon2@bigpond.com
0429362357

**DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION**

157/

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

Name: Anne Clothier
Phone number: 0429 362357

PRIMARY METHOD(S) OF CONTACT: Email address: roscommann2@bigpond.com
Postal address: PO Box 11, Crystal Brook
SA 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

Interests are: ☒ owner of local property
☐ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 262 Roscommon Road Postcode 5523
Crystal Brook SA

The specific aspects of the application to which I make comment on are: Although we don't have anything against green energy we do have serious concerns about where these wind towers are to be placed and the Southern end of the beautiful Flinders Ranges is NOT the place. There has been very little public consultation and NEAD claiming that the 240meter tall turbines will have no impact on the scenery is utter rubbish. The turbines are an absolute eyesore!! Now we are hearing that our TV, phone and internet services could possibly have major interruptions as a result of the turbines being in line with the towers, - not to mention the health issues also contributed to these towers. Put the turbines elsewhere where they will not impact a town - can't believe they can be built so close to a town!!!

☒ I wish to be heard in support of my submission
☐ I do not wish to be heard in support of my submission
(Please tick one)
☒ I am appearing personally
☐ I am being represented by the following person :
(Cross out whichever does not apply)

Date: 27.6.18 Signature: A Clothier
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or

DPTI:scapreps

From: Jacob Beinke <jacob.w.beinke@gmail.com>
Sent: Wednesday, 27 June 2018 2:33 PM
To: DPTI:scapreps
Subject: Comment on Development 354/V003/18
Attachments: EPSON001.PDF

Good afternoon,

Please find attached my comment form for Development 354/V003/18.

Regards,
Jacob

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
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Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Jacob Beinke
My phone number: 08 7430 26
PRIMARY METHOD(S) OF CONTACT: Email address: jacob.w.beinke@gmail.com
Postal address: _____
Postcode: _____

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

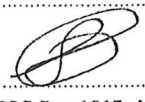
My interests are: ☐ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☐ a private citizen

The address of the property affected is 918 Forest Rd, Viridiana Postcode 5481

The specific aspects of the application to which I make comment on are: Impact on aerial firefighting capability & loss of visual amenity, with its impacts on both local residents & also a loss of tourism revenue.

I ☐ wish to be heard in support of my submission
☒ do not wish to be heard in support of my submission
(Please tick one)

by ☐ appearing personally
☐ being represented by the following person: _____
(Cross out whichever does not apply)

Date: 27/06/2018 Signature: 
Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreps@sa.gov.au

159/

DPTI:scapreps

From: Anne & Stuart Beinke <mambinx@activ8.net.au>
Sent: Wednesday, 27 June 2018 1:23 PM
To: DPTI:scapreps
Subject: Crystal Brook Energy Park comments Anne Beinke
Attachments: A_Beinke Response to Neoen Application.docx; ABeinke_cover.jpeg

Dear SCAP Members,
Please find attached my comments on the proposed Crystal Brook Energy Park

Thank you
Anne Beinke
Beetaloo Valley

DEVELOPMENT ACT, 1993, S49/S49A – CROWN DEVELOPMENT
REPRESENTATION ON APPLICATION

Applicant:	Neoen Australia Pty Ltd
Development Number:	354/V003/18
Nature of Development:	Crystal Brook Energy Park - Hybrid renewable energy project comprising a wind farm (26 turbines with a capacity up to 125MW), a solar farm (400,000-500,000 solar panels with a capacity up to 150MW), an energy storage facility (Lithium-ion battery with a capacity up to 130MW / 400MWh) and associated infrastructure for connection to the electricity grid (including a 33kV/275kV substation and a 300m long 275kV transmission line between the substation and the 275kV Para-Bungama transmission line).
Zone / Policy Area:	Primary Industry Zone - Port Pirie Regional Council
Subject Land:	32 allotments, approximately 3.5km north of Crystal Brook and 23km south-east of Port Pirie.
Contact Officer:	Lee Webb
Phone Number:	7109 7066
Close Date:	Friday 29 June 2018
During the notification period, hard copies of the application documentation can be viewed at the Department of Planning, Transport and Infrastructure, Level 5, 50 Flinders Street, Adelaide during normal business hours. Application documentation may also be viewed during normal business hours at the local Council office (if identified on the public notice).	

My name: Anne Beinke
 My phone number: 0438 842 057
 PRIMARY METHOD(S) OF CONTACT: Email address: mambinx@activ8.net.au
 Postal address: 503 Beetaloo Valley Road,
Beetaloo Valley, S.A. Postcode: 5523

You may be contacted via your nominated PRIMARY METHOD(S) OF CONTACT if you indicate below that you wish to be heard in support of your submission.

My interests are:
☒ owner of local property
☒ occupier of local property
☐ a representative of a company/other organisation affected by the proposal
☒ a private citizen

The address of the property affected is: As above Postcode: _____

The specific aspects of the application to which I make comment on are: Community, noise
& visual impact. (see attachment)

I ☒ wish to be heard in support of my submission
☐ do not wish to be heard in support of my submission
 (Please tick one)
 by ☒ appearing personally
☐ being represented by the following person: _____
 (Cross out whichever does not apply)

Date: 26/6/18 Signature: A.M. Beinke
 Return Address: The Secretary, State Commission Assessment Panel, GPO Box 1815, Adelaide, SA 5001 or
scapreprs@sa.gov.au

A response to Neoen Application

I would like to comment on the Development Application from Neoen to establish the Crystal Brook Energy Park.

I feel that the application has many errors and omissions but I am most concerned about the Windfarm aspect of the development. These turbines are 240metres high and are totally unsuitable for the area. The development sits between two communities, Beetaloo and Crystal Brook and will have unacceptable impacts on both.

Community

I believe that Neoen are miscommunicating the truth when they say that they have community support for this development. Both councils involved have worked to keep the development out of this area of the Flinders Ranges. Dozens of anti windfarm signs in the roadways in Beetaloo Valley and Crystal Brook are testament to the feeling of the residents. The Development Plans in both councils do not allow for large developments such as this at the very start of the iconic Flinders Ranges. Neoen are choosing to ignore this.

Noise

The noise from these machines will echo up the valley reducing our quality of life. These turbines are the largest proposed turbines in Australia. How can they be forced upon unwilling residents without proper testing of the noise impacts they will have on communities?

How can there be a claim that noise will not be an issue when the when these turbines are larger than any in Australia, the rules governing turbine placement are out of date and the acoustics of the valley coupled with the density of turbines has not been taken into account?

Visual Impact

There is a radio tower to the east of Crystal Brook that is approximately 120m high. It sits on hills that are around 230m high and is visible for tens of kilometres, The tower gives some perspective for the proposed development which will consist of 26 turbines, 240m high and sitting on hills up to 280m high and will be moving, How can this not be a significant impact visual?

Consider these two statements from Volume 1 of the report.

Vol1 5.3 Overall this LVIA concludes that the Project would not have an unreasonable impact on the landscape character, or the visual amenity of people living, working, or travelling through the landscape surrounding the Project Site.

Vol 1 6.3 It is acknowledged that this development will introduce a significant change to the visual appearance of the land involved and will have a visual impact in the context of the immediate locality.

Are these people serious? How can they make contradictory statements like this while planning to destroy the landscape in which we live, work and play? Neoen won't be affected. They are on the other side of the world!

Visual "low impact trending to moderate for closer houses" is an insult. The turbines are 240m high! They will be higher than the tallest building in Adelaide. When approaching the Southern Flinders from the south on Horrocks Highway, the Cattle track or The Augusta Highway, the machines will dominate the scenery and fundamentally change the look of this rural and conservation area.

There is great potential for the development of tourism in the Southern Flinders. DEW have recently acquired a number of parcels of land that have the potential to create a new tourism area in the district. Why do we have to spoil this potential with these wind turbines? These turbines will have a ruinous affect on the scenic nature of the Southern Flinders Ranges.

If you have a chance, view the Southern Flinders Range from Weroona Island or from Clements Gap This will give a picture of the beautiful sweep of the range as it rises from Crystal Brook. To impose huge wind turbines on to this landscape is an environmental and aesthetic travesty.

Anne Beinke
503 Beetaloo Valley Road
Beetaloo Valley
26.06.18