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**Title of Proposal - Houghton Solar Farm**

## **Section 1 - Summary of your proposed action**

Provide a summary of your proposed action, including any consultations undertaken.

### **1.1 Project Industry Type**

Energy Generation and Supply (renewable)

### **1.2 Provide a detailed description of the proposed action, including all proposed activities.**

The proposed action will comprise the construction and operation of a large scale solar photovoltaic facility, with a generation capacity of up to 500MW and battery storage capabilities at a site off Keith Venables Road, Upper Houghton, Queensland. The project development area is 1,181ha of rural land, partially covering two lots (Lot 4 GS602 and Lot 30 SP100843). The facility will be connected to the Powerlink Ross to Strathmore 275kV electrical transmission line which runs along the eastern boundary of the development area.

The facility will be comprised of an array of solar photovoltaic (PV) modules, arranged in a horizontal grid patterns with gaps between the rows, grouped into batches. The panels will be mounted up to 4 meters above ground level, on a structure that may track the movement of the sun during daylight hours. Inverter houses and kiosk transformers will be distributed throughout the array and an electrical substation constructed within the north-eastern part of the development area to enable connection to the 275kv transmission line. The built form will also include a site office/warehouse, electrical substation, car parks and temporary lay down area and an area for future battery energy storage opportunities. Final site layout will be finalised during detailed design but will be within the project development footprint currently indicated. The development will not require reticulated water, sewerage or storm water connections. Access to the development area will be via an existing track that extends from Keith Venables Road and connects to the eastern boundary of the development area. Keith Venables Road crosses an irrigation channel and an upgrade to the bridge over the channel will be required. Works will also be undertaken to upgrade the access track to allow provision for greater widths at turning points.

During operation, maintenance work will include the management of vegetation within the development footprint.

### **1.3 What is the extent and location of your proposed action? Use the polygon tool on the map below to mark the location of your proposed action.**

Area

Point

Latitude

Longitude



Area	Point	Latitude	Longitude
Project Development Area	1	-19.764007239461	147.02261479159
Project Development Area	2	-19.764007239461	147.02259333392
Project Development Area	3	-19.764027433133	147.02259333392
Project Development Area	4	-19.762331155786	147.02263624927
Project Development Area	5	-19.761846501802	147.02205689212
Project Development Area	6	-19.762149410715	147.01836617251
Project Development Area	7	-19.759362627014	147.01797993442
Project Development Area	8	-19.756252680471	147.00665028354
Project Development Area	9	-19.756252680471	147.0024445798
Project Development Area	10	-19.752738771815	147.00197251101
Project Development Area	11	-19.735289251841	147.04471619388
Project Development Area	12	-19.747245610144	147.0568612363
Project Development Area	13	-19.756656573058	147.05952198764
Project Development Area	14	-19.758999129898	147.06059487125
Project Development Area	15	-19.761099324023	147.05510170718
Project Development Area	16	-19.764330337904	147.05420048495
Project Development Area	17	-19.764168788764	147.05179722568
Project Development Area	18	-19.766834328632	147.0486214902
Project Development Area	19	-19.767238194421	147.04145462772
Project Development Area	20	-19.759201072843	147.04214127322
Project Development Area	21	-19.759806900142	147.038622215
Project Development Area	22	-19.762068635061	147.03544647952
Project Development Area	23	-19.761745532036	147.03394444247



Area	Point	Latitude	Longitude
Project Development Area	24	-19.762714839146	147.03166992923
Project Development Area	25	-19.764613048503	147.03175575992
Project Development Area	26	-19.764007239461	147.02261479159

**1.5 Provide a brief physical description of the property on which the proposed action will take place and the location of the proposed action (e.g. proximity to major towns, or for off-shore actions, shortest distance to mainland).**

The project development area is located approximately 17 kilometres (km) from the township of Clare in North Queensland and falls within the Burdekin Shire Council area. The development area is approximately 1,181ha of vacant rural land, accessed via Keith Venables Road. The project development area partially encompasses two lots, Lot 4 GS602 and Lot 30 SP100843. The land has been previously prepared for irrigated sugar cane farming, which is consistent with the dominant land use in the surrounding area; however the property owner has been unable to secure water allocations to develop the land for this purpose. A small portion of the development area is currently agisted for cattle.

There are currently no buildings located over the development area. Built elements on the site include vehicular access tracks, small dams and pumps, perimeter fencing and gates and overhead transmission lines. There are no major creeks within the project development area. The Haughton River runs to the north and west of the project development area, approximately 0.7km away at its closest point. Oakey Creek runs to the south of the project development area, approximately 0.3km away at its closest point. Piccaninny Creek runs to the south east of the project development area, approximately 0.6km away at its closest point.

**1.6 What is the size of the development footprint or work area?**

1,181ha

**1.7 Is the proposed action a street address or lot?**

Lot

**1.7.2 Describe the lot number and title.** Lot 4 GS602 and Lot 30 SP100843 (part of), subject to future boundary realignment



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## 1.8 Primary Jurisdiction.

Queensland

### 1.9 Has the person proposing to take the action received any Australian Government grant funding to undertake this project?

No

### 1.10 Is the proposed action subject to local government planning approval?

Yes

#### 1.10.1 Is there a local government area and council contact for the proposal?

Yes

##### 1.10.1.0 Council contact officer details

##### 1.10.1.1 Name of relevant council contact officer.

Shane Great

##### 1.10.1.2 E-mail

shane.great@burdekin.qld.gov.au

##### 1.10.1.3 Telephone Number

07 4783 9961

### 1.11 Provide an estimated start and estimated end date for the proposed action.

Start date 09/2017

End date 09/2047

### 1.12 Provide details of the context, planning framework and State and/or Local government requirements.

The project constitutes Assessable Development pursuant to the Planning Act 2016, and is subject to assessment by the Burdekin Shire Council. In accordance with the Burdekin Shire Council IPA Planning Scheme 2011, the project development area is located within the 'rural' zone and the application triggers Impact Assessment as the land use is an undefined land use. An application for a Material Change of Use (MCU) approval for a 'Renewable Energy Facility' was submitted and in support of the application, the following assessments were undertaken:



Ecological Assessment – including field surveys assessing the terrestrial biodiversity values including threatened species, vegetation communities, conservation significant species, and significant environmental constraints.

Hydraulic Impact Assessment – assessing surface water and drainage, including flood modelling.

Traffic Impact Assessment – determining traffic impact during construction and operation including access to the site.

**1.13 Describe any public consultation that has been, is being or will be undertaken, including with Indigenous stakeholders.**

Pre-lodgement meetings were held with the following organisations

- Burdekin Shire Council
- Powerlink Queensland
- Neighbours and key stakeholders

These meetings were facilitated by Pacific Hydro staff and were conducted throughout February and March 2017. These meetings indicated broad support for the Project among the local community, as well as interest in potential employment opportunities, with some local capabilities identified.

An on-site meeting was held with the local Aboriginal Party (Bindal People) on 25-26 May 2017. A site walk over will be undertaken and a Cultural Heritage Management Agreement is currently being negotiated.

**1.14 Describe any environmental impact assessments that have been or will be carried out under Commonwealth, State or Territory legislation including relevant impacts of the project.**

The current proposal has not been the subject of an environmental impact assessment but to date studies commissioned in support of the Development Application are:

Ecological Assessment – including field surveys assessing the terrestrial biodiversity values including threatened species, vegetation communities, conservation significant species, and significant environmental constraints.

Hydraulic Impact Assessment – assessing surface water and drainage, including flood modelling.



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Traffic Impact Assessment – determining traffic impact during construction and operation including access to the site.

**1.15 Is this action part of a staged development (or a component of a larger project)?**

No

**1.16 Is the proposed action related to other actions or proposals in the region?**

No



## Section 2 - Matters of National Environmental Significance

Describe the affected area and the likely impacts of the proposal, emphasising the relevant matters protected by the EPBC Act. Refer to relevant maps as appropriate. The [interactive map tool](#) can help determine whether matters of national environmental significance or other matters protected by the EPBC Act are likely to occur in your area of interest. Consideration of likely impacts should include both direct and indirect impacts.

Your assessment of likely impacts should consider whether a bioregional plan is relevant to your proposal. The following resources can assist you in your assessment of likely impacts:

- [Profiles of relevant species/communities](#) (where available), that will assist in the identification of whether there is likely to be a significant impact on them if the proposal proceeds;
- [Significant Impact Guidelines 1.1 – Matters of National Environmental Significance](#);
- [Significant Impact Guideline 1.2 – Actions on, or impacting upon, Commonwealth land and Actions by Commonwealth Agencies](#).

### 2.1 Is the proposed action likely to impact on the values of any World Heritage properties?

No

### 2.2 Is the proposed action likely to impact on the values of any National Heritage places?

No

### 2.3 Is the proposed action likely to impact on the ecological character of a Ramsar wetland?

No

### 2.4 Is the proposed action likely to impact on the members of any listed threatened species (except a conservation dependent species) or any threatened ecological community, or their habitat?

No

### 2.5 Is the proposed action likely to impact on the members of any listed migratory species, or their habitat?

No



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**2.6 Is the proposed action to be undertaken in a marine environment (outside Commonwealth marine areas)?**

No

**2.7 Is the proposed action likely to impact on any part of the environment in the Commonwealth land?**

No

**2.8 Is the proposed action taking place in the Great Barrier Reef Marine Park?**

No

**2.9 Will there be any impact on a water resource related to coal / gas / mining?**

No

**2.10 Is the proposed action a nuclear action?**

No

**2.11 Is the proposed action to be taken by the Commonwealth agency?**

No

**2.12 Is the proposed action to be undertaken in a Commonwealth Heritage Place Overseas?**

No

**2.13 Is the proposed action likely to impact on any part of the environment in the Commonwealth marine area?**

No





## Section 3 - Description of the project area

Provide a description of the project area and the affected area, including information about the following features (where relevant to the project area and/or affected area, and to the extent not otherwise addressed in Section 2).

### 3.1 Describe the flora and fauna relevant to the project area.

An ecological assessment was initially completed for a wider project area (3,200 ha). The wider project area consists mostly of non-remnant vegetation with remnant vegetation pockets remaining in some areas. The field survey identified a number of mapped Regional Ecosystems (RE) 11.3.7, 11.3.10, 11.3.12, and 11.3.35; all listed as least concern under the Vegetation Management Act 1999 (VMA) and not analogous with Threatened Ecological Communities (TECs) listed under the Environmental Protection and Biodiversity Conservation Act 1999 (EPBC Act). The project area was also found to have large areas of non-remnant vegetation, in areas previously cleared and prepared for sugar cane production (defined as Category X). One High Ecological Significant (HES) wetland area was identified in the north of the wider project area. A second HES wetland was identified in close proximity to the southern boundary of the wider project area. One watercourse, defined as a stream order 1 watercourse under the VMA, was identified on site and was dry at the time of survey. It is highly degraded and vegetated with rubber vine weed species. Two unmapped and unnamed watercourses were recorded in the centre of the project area.

The ecological field survey did not record any flora or fauna species of conservation significance, however it was determined that the site did contain suitable habitat for roosting micro bats and possible habitat for black-throated finch close to water sources. Mapped Essential Habitat for the black-throated finch, was identified approximately 1.4km north of the survey area and 5.1km south of the survey area. Further species specific surveys for the EPBC listed black-throated finch and bare rump-tailed bat were undertaken to determine if any suitable habitat exists and the likelihood of impact to these species. These further assessments found that the most suitable habitat for these species was restricted to areas of native vegetation.

As a result of the assessments, Pacific Hydro reduced the project area to ensure that these environmental sensitivities were avoided. The refined project development area will affect only non-remnant vegetation with no conservation significant species, no vegetation communities, and as such is unlikely to have a significant impact on Matters of National Environmental Sensitivity (MNES).

### 3.2 Describe the hydrology relevant to the project area (including water flows).

The project development area lies within close proximity (within 1 km) to the Haughton River, Piccaninny Creek and Oakley Creek. Assessments have been undertaken to assess the potential impact of the proposed Haughton Solar Farm on localised flooding and drainage. One



mapped (unnamed) watercourse (Stream order 1 as defined under the VMA) runs through the south-eastern corner of the project development area. This is highly degraded and is mapped as a non-remnant regional ecosystem and is vegetated with rubber vine weed species. Two unmapped and unnamed watercourses were recorded in the centre of the project development area.

Hydraulic flood modelling has been undertaken to estimate existing flood levels for the 1% Annual Exceedance Probability (AEP) flood event. This showed that the development area is partly affected by flooding from Oakey Creek. The impact of the Project on flood levels has been quantified by including the proposed solar farm in the flood model, which indicated the Project would not cause any significant afflux.

The impact of the Project on stormwater runoff from site has been conservatively estimated by assuming a part of the developed site as impervious (e.g. where the panels are covering the surface from direct fall onto the ground). This analysis found that the peak 1% AEP flow from the Project would increase by about 7.9m<sup>3</sup>/s. This is approximately 1.2% of the peak flow in Oakey Creek and, therefore, it is not expected to significantly impact the receiving water environment.

### **3.3 Describe the soil and vegetation characteristics relevant to the project area.**

The project development area is characterised by Quaternary alluvium and lacustrine deposits (Queensland Globe database). The project development area is located within Category X (non-remnant) vegetation area.

### **3.4 Describe any outstanding natural features and/or any other important or unique values relevant to the project area.**

There are no outstanding natural features within the project development area.

### **3.5 Describe the status of native vegetation relevant to the project area.**

There is no remnant native vegetation within the project development area.

### **3.6 Describe the gradient (or depth range if action is to be taken in a marine area) relevant to the project area.**

The development area has a fall of approximately 0.2% across the site towards the east.

### **3.7 Describe the current condition of the environment relevant to the project area.**

The project development area has been previously cleared and is primarily composed of non-



remnant modified grassland primarily unused (vacant land), with some agistment for cattle grazing. Areas of remnant vegetation occur adjacent to the project development area but will not be impacted by the proposed works.

**3.8 Describe any Commonwealth Heritage Places or other places recognised as having heritage values relevant to the project area.**

There are no Commonwealth Heritage Places or other places recognised as having heritage values within the project development area.

**3.9 Describe any Indigenous heritage values relevant to the project area.**

A review of the DATSIP Aboriginal and Torres Strait Islander Cultural Heritage Database and Register under the Aboriginal Cultural Heritage Act 2003 was completed in January 2017 and indicated that there are no records of Cultural Heritage within the project development area or nearby.

**3.10 Describe the tenure of the action area (e.g. freehold, leasehold) relevant to the project area.**

Freehold

**3.11 Describe any existing or any proposed uses relevant to the project area.**

The project development area is vacant rural land. It has previously been prepared for sugar cane cropping by the landholder and part of the property is agisted for cattle grazing.



## **Section 4 - Measures to avoid or reduce impacts**

Provide a description of measures that will be implemented to avoid, reduce, manage or offset any relevant impacts of the action. Include, if appropriate, any relevant reports or technical advice relating to the feasibility and effectiveness of the proposed measures.

Examples of relevant measures to avoid or reduce impacts may include the timing of works, avoidance of important habitat, specific design measures, or adoption of specific work practices.

### **4.1 Describe the measures you will undertake to avoid or reduce impact from your proposed action.**

The original project site was reduced to the project development area to avoid impacts to areas of remnant vegetation which were found to provide suitable habitat for MNES. No further mitigation measures are proposed, other than the development and implementation of Environmental Management Plan/s that will apply to construction and operation of the development.

### **4.2 For matters protected by the EPBC Act that may be affected by the proposed action, describe the proposed environmental outcomes to be achieved.**

No MNES will be significantly impacted by the proposal, therefore no mitigation measures for MNES are proposed.



## **Section 5 – Conclusion on the likelihood of significant impacts**

A checkbox tick identifies each of the matters of National Environmental Significance you identified in section 2 of this application as likely to be a significant impact.

Review the matters you have identified below. If a matter ticked below has been incorrectly identified you will need to return to Section 2 to edit.

### **5.1.1 World Heritage Properties**

No

### **5.1.2 National Heritage Places**

No

### **5.1.3 Wetlands of International Importance (declared Ramsar Wetlands)**

No

### **5.1.4 Listed threatened species or any threatened ecological community**

No

### **5.1.5 Listed migratory species**

No

### **5.1.6 Commonwealth marine environment**

No

### **5.1.7 Protection of the environment from actions involving Commonwealth land**

No

### **5.1.8 Great Barrier Reef Marine Park**

No

### **5.1.9 A water resource, in relation to coal/gas/mining**

No



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#### **5.1.10 Protection of the environment from nuclear actions**

No

#### **5.1.11 Protection of the environment from Commonwealth actions**

No

#### **5.1.12 Commonwealth Heritage places overseas**

No

#### **5.2 If no significant matters are identified, provide the key reasons why you think the proposed action is not likely to have a significant impact on a matter protected under the EPBC Act and therefore not a controlled action.**

An assessment of habitat value for the black-throated finch within the project development area found that the area is unlikely to represent important habitat for the species since suitable permanent water sources are too far away. The closest permanent water source to the project development area (400m) is considered to provide only marginal habitat. Suitable food sources were identified within the project development area, however since suitable water sources are located too far away, the development area is unlikely to represent important habitat for the species. Suitable nesting habitat was identified in areas of adjacent remnant vegetation, but no suitable nesting habitat was found to occur within the project development area. A significant impact on the species is likely if the action threatens to disrupt access to or availability of one or more of the three key resources (water, seeding grasses and nesting trees). The proposed action will not threaten to disrupt access or availability to these resources.

A survey for the bare-rumped sheath-tail bat found suitable roosting and foraging habitat in areas of adjacent remnant vegetation. It is likely that the species would fly over the project development area, but the area itself is considered unlikely to offer suitable foraging or roosting habitat.

The development footprint of the solar farm has been designed to avoid impacts to remnant vegetation, thereby avoiding direct or indirect impacts on MNES. It is therefore considered that the proposed action is not a controlled action as no impacts to MNES are predicted.



## **Section 6 – Environmental record of the person proposing to take the action**

Provide details of any proceedings under Commonwealth, State or Territory law against the person proposing to take the action that pertain to the protection of the environment or the conservation and sustainable use of natural resources.

### **6.1 Does the person taking the action have a satisfactory record of responsible environmental management? Please explain in further detail.**

Pacific Hydro was founded in Australia in 1992 and is a global owner, operator and developer of wind and hydro assets. Pacific Hydro has a high quality and diversified portfolio of 20 operating assets with an installed capacity of 829.6MW across Chile, Australia and Brazil. Pacific Hydro also has a substantial pipeline of development projects, with potential additional installed capacity of ~1.5GW from a further 19 projects across its three markets and a growing electricity retail platform in Australia.

Pacific Hydro was acquired by State Power Investment Corporation (SPIC) through State Power Investment Overseas of China (SPIC Overseas) in January 2016. SPIC is one of the top five power generation groups in China, with US\$113 Billion total assets and a total installed capacity that exceeds 100GW.

Pacific Hydro is committed to innovative renewable energy projects which respect the environment and benefit our communities. Pacific Hydro's HSE Quality Management System conforms to the requirements of ISO 14001:2004 Environmental Management Systems. For all of its projects Pacific Hydro designs to avoid and minimise environmental impacts and prepares a detailed Environmental Management Plan. Internal environmental audits are also carried out at each of our operating and development sites.

### **6.2 Provide details of any past or present proceedings under a Commonwealth, State or Territory law for the protection of the environment or the conservation and sustainable use of natural resources against either (a) the person proposing to take the action or, (b) if a permit has been applied for in relation to the action – the person making the application.**

No past or present proceedings

### **6.3 Will the action be taken in accordance with the corporation's environmental policy and planning framework?**

Yes



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**6.3.1 If the person taking the action is a corporation, please provide details of the corporation's environmental policy and planning framework.**

Please see attached HSE Policy

**6.4 Has the person taking the action previously referred an action under the EPBC Act, or been responsible for undertaking an action referred under the EPBC Act?**

Yes

**6.4.1 EPBC Act No and/or Name of Proposal.**

2008/4303 Wind Energy Facility 3km North East of Gulnare, South Australia

2007/3285 Crowlands Wind Energy Facility, Victoria

2005/2357 Run-of River power station - Bandicoot Bar - Kununurra Diversion Dam, Kununurra, Western Australia

2003/933 Wind farm at Rous Head Harbour, Fremantle, Western Australia

2003/925 Yaloak Estate, Ballan, Victoria

2003/1100 Rosedale Ridge, Victoria

2003/1003 Clements Gap Wind Farm, South Australia

2003/1001 Sheoak Flat Wind Farm, Yorke Peninsula, South Australia

2000/18 Portland Wind Farm, Victoria





## Section 7 – Information sources

You are required to provide the references used in preparing the referral including the reliability of the source.

### 7.1 List references used in preparing the referral (please provide the reference source reliability and any uncertainties of source).

Reference Source	Reliability	Uncertainties
AECOM (2017). Technical Report Ecological Assessment, Haughton Solar Farm, prepared for Pacific Hydro.	Prepared by qualified ecological consultants.	Low, in addition to this general ecological assessment, further more detailed surveys for MNES identified in this assessment were undertaken to provide further certainty on the impacts.
AECOM (2017). Memorandum on the Addition of Keith Venables Road, prepared for Pacific Hydro	Prepared by qualified ecological consultants.	Low, Addendum to Technical Report Ecological Assessment (above) to include the main access to the project development area to provide further certainty on avoidance of impacts to MNES.
AECOM (2017). Haughton Solar Farm Bat roost survey, prepared for Pacific Hydro.	Prepared by qualified ecological consultants.	Low, survey was carried out in accordance with standard survey techniques and provides a good indication of the likely roosting and foraging potential of the project development area.
AECOM (2017). Black-throated finch grassland condition assessment memorandum, prepared for Pacific Hydro.	Prepared by qualified ecological consultants.	Low, survey was carried out in accordance with standard survey techniques and provides a good indication of the likely roosting and foraging potential of the project development area.
Queensland Globe (2017). Geology dataset.	Datasets provided by the Queensland Government	Nil.
JACOBS (2017). Haughton Solar Farm Hydraulic Impact Assessment, prepared for Pacific Hydro.	Prepared by qualified consultants	Nil.
Significant impact guidelines for N/A		N/A



Reference Source	Reliability	Uncertainties
the endangered black-throated finch (southern) ( <i>Poephila cincta cincta</i> )		
National recovery plan for the bare-rumped sheathail bat <i>Saccolaimus saccolaimus nudicluniatus</i> (Schulz & Thomson, 2007)	N/A	N/A



## Section 8 – Proposed alternatives

You are required to complete this section if you have any feasible alternatives to taking the proposed action (including not taking the action) that were considered but not proposed.

### 8.0 Provide a description of the feasible alternative?

There are no feasible alternatives to the project other than the 'do nothing' case.

The project seeks to connect into the National Electricity Market (NEM) and contribute to reaching the greenhouse gas reduction targets in Queensland and Australia.

During initial project development, a much larger area of 3,200ha was investigated for the proposed solar farm which identified areas of remnant vegetation suitable to support MNES. The project area was subsequently reduced (by over 50%) to 1,181ha to avoid the risk of significant impacts to MNES. Given the current project development area avoids impacts to MNES, no alternatives to development at the site were considered.

### 8.1 Select the relevant alternatives related to your proposed action.

#### 8.27 Do you have another alternative?

No



## Section 9 – Contacts, signatures and declarations

Where applicable, you must provide the contact details of each of the following entities: Person Proposing the Action; Proposed Designated Proponent and; Person Preparing the Referral. You will also be required to provide signed declarations from each of the identified entities.

### 9.0 Is the person proposing to take the action an Organisation or an Individual?

Organisation

#### 9.2 Organisation

##### 9.2.1 Job Title

Environment Manager

##### 9.2.2 First Name

Kim

##### 9.2.3 Last Name

Derriman

##### 9.2.4 E-mail

kderriman@pacifichydro.com.au

##### 9.2.5 Postal Address

Level 13

700 Collins Street  
Docklands, Melbourne VIC 3008  
Australia

##### 9.2.6 ABN/ACN

ABN

31617201653 - PACIFIC HYDRO HAUGHTON SOLAR FARM PTY LTD

##### 9.2.7 Organisation Telephone



03 8621 6000

### 9.2.8 Organisation E-mail

phareception@pacifichydro.com.au

### 9.2.9 I qualify for exemption from fees under section 520(4C)(e)(v) of the EPBC Act because I am:

Not applicable

### Small Business Declaration

I have read the Department of the Environment and Energy's guidance in the online form concerning the definition of a small a business entity and confirm that I qualify for a small business exemption.

Signature:..... Date: .....

### 9.2.9.2 I would like to apply for a waiver of full or partial fees under Schedule 1, 5.21A of the EPBC Regulations

No

### 9.2.9.3 Under sub regulation 5.21A(5), you must include information about the applicant (if not you) the grounds on which the waiver is sought and the reasons why it should be made

### Person proposing the action - Declaration

I, KIM DERRIMAN, declare that to the best of my knowledge the information I have given on, or attached to the EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence. I declare that I am not taking the action on behalf of or for the benefit of any other person or entity.

Signature:.......... Date: .....5/9/2017.....

I, \_\_\_\_\_, the person proposing the action, consent to the designation of \_\_\_\_\_ as the proponent of the purposes of the action describe in this EPBC Act Referral.

Signature:..... Date: .....



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### 9.3 Is the Proposed Designated Proponent an Organisation or Individual?

Organisation

#### 9.5 Organisation

##### 9.5.1 Job Title

Environment Manager

##### 9.5.2 First Name

Kim

##### 9.5.3 Last Name

Derriman

##### 9.5.4 E-mail

kderriman@pacifichydro.com.au

##### 9.5.5 Postal Address

Level 13

700 Collins Street  
Docklands, Melbourne VIC 3008  
Australia

##### 9.5.6 ABN/ACN

ABN

31617201653 - PACIFIC HYDRO HAUGHTON SOLAR FARM PTY LTD

##### 9.5.7 Organisation Telephone

03 8621 6000

##### 9.5.8 Organisation E-mail

phareception@pacifichydro.com.au

### Proposed designated proponent - Declaration



I, Kim Derriman, the proposed designated proponent, consent to the designation of myself as the proponent for the purposes of the action described in this EPBC Act Referral.

Signature: [Signature] Date: 4/9/2017

**9.6 Is the Referring Party an Organisation or/ Individual?**

Individual

**9.7 Individual**

**9.7.1 Job Title**

Senior Environment and Development Planner

**9.7.2 First Name**

Catherine

**9.7.3 Last Name**

O' Riordan

**9.7.4 E-mail**

coriordan@pacifichydro.com.au

**Referring Party - Declaration**

I, Catherine O' Riordan, I declare that to the best of my knowledge the information I have given on, or attached to this EPBC Act Referral is complete, current and correct. I understand that giving false or misleading information is a serious offence.

Signature: Catherine O' Riordan Date: 04/09/2017



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## Appendix A - Attachments

The following attachments have been supplied with this EPBC Act Referral:

1. btf\_grassland\_condition\_assessment\_memorandum.pdf
2. haughton\_solar\_bat\_roost\_survey\_final.pdf
3. haughton\_solar\_ecological\_-\_addition\_of\_kv\_rd\_memo.pdf
4. haughton\_solar\_farm\_ecological\_assessment\_addendum\_memo\_to\_main\_report.pdf
5. haughton\_solar\_farm\_ecological\_assessment\_appendices.pdf
6. haughton\_solar\_farm\_ecological\_assessment\_main\_report.pdf
7. haughton\_solar\_farm\_hydraulic\_impact\_assessment.pdf
8. hsf\_bsc\_cons17-02\_pacific\_hydro\_decision\_notice.pdf
9. ph-1319\_hsf\_investigation\_area.pdf
10. pha.hse\_.01.005\_hse\_policy.pdf