



METZ SOLAR FARM
CULTURAL HERITAGE MANAGEMENT PLAN

PREPARED FOR:



PREPARED BY:



Report Title:	<i>Metz Solar Farm</i>
Project:	<i>Cultural Heritage Management Plan</i>
Client:	<i>RCR Infrastructure</i>
Report Ref.:	<i>218045_CHMP_001E.docx</i>
Status:	<i>Final (V2)</i>
Issued:	<i>26 October 2017</i>

Geolyse Pty Ltd and the authors responsible for the preparation and compilation of this report declare that we do not have, nor expect to have a beneficial interest in the study area of this project and will not benefit from any of the recommendations outlined in this report.

The preparation of this report has been in accordance with the project brief provided by the client and has relied upon the information, data and results provided or collected from the sources and under the conditions outlined in the report.

All information contained within this report is prepared for the exclusive use of Infinergy Pacific Pty Ltd and RCR Infrastructure to accompany this report for the land described herein and are not to be used for any other purpose or by any other person or entity. No reliance should be placed on the information contained in this report for any purposes apart from those stated therein.

Geolyse Pty Ltd accepts no responsibility for any loss, damage suffered or inconveniences arising from, any person or entity using the plans or information in this study for purposes other than those stated above.

Revision History

Version	Date	Reason	Approved
Draft (V1)	22/9/17	OEH & ATOAC consultation	IPPL
Final (V1)	23/10/17	For Issue	IPPL
Final (V2)	26/10/17	Inclusion of RAP endorsement	IPPL

TABLE OF CONTENTS

INTRODUCTION	1
1.1 APPROVED PROJECT	1
1.2 PROPONENT	1
1.3 EPC CONTRACTOR	1
1.4 DEVELOPMENT CONSENT	1
PLAN REQUIREMENTS	2
2.1 CONDITIONS OF APPROVAL	2
2.2 STATEMENTS OF COMMITMENT	3
2.2.1 ABORIGINAL CULTURAL HERITAGE	3
2.2.2 HISTORIC HERITAGE	4
2.3 OEH CONSULTATION	4
CULTURAL HERITAGE VALUES	5
3.1 CULTURAL HERITAGE ASSESSMENT	5
3.2 NON-ABORIGINAL HERITAGE	5
3.3 ABORIGINAL HERITAGE	5
MANAGEMENT MEASURES	6
4.1 AVOIDING AND MINIMISING HARM	6
4.1.1 GUIDING PRINCIPLES	6
4.1.2 PROPOSED PRESERVATION STRATEGIES	6
4.2 ON-SITE MONITORING	7
4.3 UNANTICIPATED FINDS PROTOCOL	7
4.4 DUE DILIGENCE INDUCTION	8
4.5 LONG TERM MANAGEMENT	9
4.6 ADDITIONAL INVESTIGATIONS	9
ABORIGINAL STAKEHOLDER CONSULTATION	10
5.1 CONSULTATION TO DATE	10
5.2 RAP REPRESENTATIVE	10
5.3 COMMUNICATION PROTOCOL	10
REFERENCES	11

TABLES

Table 3.1 – Aboriginal Stakeholders	5
---	---

DRAWING SCHEDULE

APPENDICES

APPENDIX A

Location of Archaeological Objects and/or Places

APPENDIX B

Artefact Logs

APPENDIX C

OEH Consultation

APPENDIX D

RAP Representative Endorsement

Abbreviations

ARC	Armidale Regional Council
ATOAC	Anaiwan Traditional Owners Aboriginal Corp
CHA	Cultural Heritage Assessment
CHMP	Cultural Heritage Management Plan
CoA	Condition of Approval
DPE	Department of Planning and Environment
EIS	Environmental Impact Statement
EPC	Engineering, Procurement and Construction
IPPL	Infinergy Pacific Pty Ltd
MSF	Metz Solar Farm
OEH	Office of Environment and Heritage
RAP	Registered Aboriginal Party
RCRI	RCR Infrastructure
SoC	Statement of Commitment
WPT	Waypoint

Introduction

1.1 APPROVED PROJECT

The Metz Solar Farm (MSF) was granted development consent (SSD 7931) on the 18th of July 2017. The approved consent allows for the development of a large scale solar farm at 1821 Grafton Road, Metz, to be constructed within the approved 'array area' as illustrated in the 'General Layout of Development' presented in Appendix 1 of the Development Consent.

1.2 PROPONENT

The development proponent/applicant is Infinergy Pacific Pty Ltd (the 'Proponent').

1.3 EPC CONTRACTOR

RCR Infrastructure is the Engineering, Procurement and Construction Contractor (the 'Contractor') with the responsibility to build the MSF.

1.4 DEVELOPMENT CONSENT

The Department of Planning and Environment's (DPE) consent obligates the Proponent and the EPC Contractor to design, construct and operate the MSF in compliance with the Conditions of Approval (CoA). Schedule 2 CoA (2) states:

The Applicant must carry out the development:

- (a) generally in accordance with the EIS; and*
- (b) in accordance with the conditions of this consent.*

In the context above EIS includes Statements of Commitment (SoC) made in both the

- *Metz Solar Farm Environmental Impact Statement* (EcoLogical, March 2017), and
- *Additional information supporting the Metz Solar Farm Environmental Impact Statement* (EcoLogical, June 2017).

Plan Requirements

2.1 CONDITIONS OF APPROVAL

With respect to heritage the Development Consent specifies the following requirements.

HERITAGE

Discovery of Human Remains

17. If human remains are discovered on site, then all work surrounding the area must cease, and the area must be secured. The Applicant must notify the NSW Police and OEH as soon as possible following the discovery, and work must not recommence in the area until this is authorised by OEH.

Chance Finds Protocol

18. Prior to the commencement of construction, the Applicant must prepare a Chance Finds Protocol for the development in consultation with the Aboriginal Stakeholders, and to the satisfaction of OEH. Following approval, the Applicant must implement the Chance Finds Protocol.

Management of Aboriginal Heritage Items

19. The Applicant must avoid and protect from impact the sites identified as Bayley Park Stone Arrangement, Bayley Park Scarred Tree-1 and Bayley Park Scarred Tree-2 (shown in Appendix 1).

20. The Applicant must carry out the following in consultation with OEH and the Aboriginal stakeholders:

(a) record all identified heritage items on site and submit the standard documentation to the Aboriginal Heritage Information Management System prior to construction;

(b) relocate any heritage items that would be disturbed by the development to suitable alternative locations on the site prior to construction, in accordance with the relevant Code of Practice; and

(c) protect all heritage items on site, including those that would remain in situ as well as those that are relocated, from any impact.

2.2 STATEMENTS OF COMMITMENT

2.2.1 ABORIGINAL CULTURAL HERITAGE

2.2.1.1 Environmental Safeguards

Environmental safeguards relating to Aboriginal cultural heritage in the Environmental Impact Statement included the following;

- *No further archaeological investigation is required at the artefact locations (find spots) identified as falling within Bayley Park Study Areas 1 – 3.*
- *No further archaeological investigation is required at the scarred tree locations that fall within the Development Footprint. Scarred trees, regardless of whether they are alive or dead shall be avoided; initial ground surface disturbance and project construction activity should be excluded from within 10 m of these trees.*
- *No further archaeological investigation is required at the stone arrangement that falls within the Development Footprint. This site shall be avoided and a 10 m exclusion zone placed around it, into which no vehicles (including rubber-tyred light vehicles) must travel.*
- *For the duration of construction, 10 m buffer zones be established around the two identified scar trees and stone arrangement using star pickets and high visibility barrier fencing. At completion of construction, and in consultation with the RAPs, the barrier fencing may be removed from around the scarred trees. At completion of the construction phase the high visibility barrier fencing be removed from around the stone arrangement and is replaced with a stock-proof fence.*
- *Once detailed design has been established, any artefact concentration or isolated locations that may be impacted shall be marked with a star picket and appropriate flagging for the interim period between final design and the gaining of approval to mitigate potential impacts.*
- *If, through future development planning, impacts are proposed for any land outside the Development Footprint, cultural heritage assessment of the area(s) proposed shall be undertaken.*
- *In the event of an unanticipated find all works shall cease in the immediate area (10m buffer) and the find spot marked with high visibility barrier fencing. A qualified archaeologist and representatives from the Aboriginal community are to be contacted to verify the status of the find and to determine its significance. If verified, the Site is to be registered with OEH in the AHIMS database. Approval shall be required to impact the find prior to recommencement of works.*
- *Appropriate communication protocols between the proponent (and/or their contractors) and Aboriginal stakeholders will agreed and set out in the CHMP. During initial ground surface disturbance it is recommended that the proponent (and/or their contractors) communicate the progress and/or any developments concerning Aboriginal cultural heritage.*
- *Monitoring of tree removal will be carried out on a needs basis, the number of monitors present equal to the number of machines engaged in tree removal.*
- *The RAPs have requested and it is recommended here, that they be involved in monitoring vegetation removal in the pine plantation located along the western margin of Study Area 2.*
- *Draft copies of the ACHA have been sent to each of the RAPs for review and feedback, and a digital copy of the final report shall submitted to the OEH for inclusion in the AHIMS database.*

2.2.1.2 Statements of Commitment

Statements of commitment relating to Aboriginal cultural heritage in the Environmental Impact Statement included the following;

A Cultural Heritage Management Plan (CHMP) will be prepared and incorporated into the CEMP, OEMP and DMP following the detailed design of the Proposed Development (post consent). The CHMP will:

- *Indicate where avoidance is possible and where impacts are unavoidable.*
- *Detail how heritage items and artefacts will be identified and protected during construction;*
- *Include a cultural awareness program for all works developed in consultation with a selection of RAPs;*
- *The few artefacts requiring AHIP¹s will be managed and re-patriated;*
- *Show buffer and exclusion zones;*
- *Detail procedure for dealing with un-expected archaeological finds; and*
- *Detail the long-term management of protected heritage items.*

2.2.2 HISTORIC HERITAGE

2.2.2.1 Environmental Safeguards

Environmental safeguards relating to historic heritage in the Environmental Impact Statement included the following;

- *In the event potential historic heritage items are found during construction activities, works in that area shall cease until an assessment is made by an appropriately qualified archaeologist and OEH has been consulted.*

2.2.2.2 Statements of Commitment

Statements of commitment relating to Aboriginal cultural heritage in the Environmental Impact Statement included the following;

A Cultural Heritage Management Plan (CHMP) will be prepared and incorporated into the CEMP, OEMP and DMP following the detailed design of the Proposed Development (post consent). The CHMP will:

- *Indicate where avoidance is possible and where impacts are unavoidable; and*
- *Detail procedure for dealing with un-expected archaeological finds.*

2.3 OEH CONSULTATION

This CHMP has been prepared in consultation with OEH. A draft version of the plan was submitted to OEH 25 September 2017 with feedback provided 5 October 2017. A copy of this consultation is provided in Appendix C.

On receipt of the OEH feedback this CHMP was updated to include the recommendations made by OEH with respect to due diligence induction and updating the General Arrangement drawing.

¹ Projects classified as State Significant Projects (as is the Metz Solar Farm) under the Environmental Planning and Assessment Act 1979 are exempt from the requirement to obtain Aboriginal Heritage Impact Permits (AHIPs) to undertake works that may harm Aboriginal objects.

Cultural Heritage Values

3.1 CULTURAL HERITAGE ASSESSMENT

A Cultural Heritage Assessment (CHA) of the MSF was undertaken as part of the Environmental Impact Statement. This assessment was completed in accordance with relevant guidelines, including consultation with Aboriginal stakeholders. Nine Registered Aboriginal Parties (RAPs) were involved in this assessment.

Table 3.1 – Aboriginal Stakeholders

Registered Aboriginal Parties
Anaiwan Traditional Owners Aboriginal Corp
Armidale and New England Gumbaynggirr Descendants Inc
Clive Ahoy
DFTV Enterprises
Murrawan Cultural Consultants
Nganyawana Cultural Consultants
Nunnawanna Aboriginal Corp
Nyakka Aboriginal Culture Heritage Corp
Steven Ahoy Consultants

Consistent with applicable guidelines all RAPs were provided with a copy of the draft Cultural Heritage Assessment for comment. Two RAPs responded. Neither had any recommendations for adjustments, corrections or modifications to the Cultural Heritage Assessment.

3.2 NON-ABORIGINAL HERITAGE

No evidence of early settlement (mining activity or otherwise) was found during the surveys.

3.3 ABORIGINAL HERITAGE

The CHA broke the MSF development site into three discrete study areas. Three low-density artefact concentrations were recorded across the three study areas, and 38 isolated artefacts found across the development site; with one of the study areas containing two scarred trees and a stone arrangement.

Appendix A reproduces mapping of each of the three CHA study areas and where each artefact, artefact concentration, scarred tree and the stone arrangement was found.

A log of all artefacts located during the CHA, as presented in Appendix H of the CHA, is also reproduced and presented in **Appendix B** of this CHMP.

Management Measures

4.1 AVOIDING AND MINIMISING HARM

4.1.1 GUIDING PRINCIPLES

The Office of Environment and Heritage aims at ensuring impacts to Aboriginal objects and places are avoided or reduced and that where possible Aboriginal sites should be conserved. Three OEH policies promote this aim:

Option 1. Impacts to significant Aboriginal objects and places should always be avoided wherever possible.

Option 2. Where impacts to Aboriginal objects and places cannot be avoided the Proponent is required to develop (or amend) proposals to reduce the extent and severity of impacts to Aboriginal objects and places using reasonable and feasible measures. Any measures proposed should be negotiated between the Proponent and the Aboriginal community.

Option 3. Once all avoidance, minimalisation and mitigation options have been adequately explored OEH may also consider the appropriateness of any proposed actions having potential Aboriginal cultural heritage benefit. Any actions proposed should be negotiated between the Proponent and the Aboriginal community.

The guiding principle is therefore that wherever possible avoidance should be the primary management option but that if avoidance is not feasible, measures must be taken to mitigate against impacts to Aboriginal items and/or places. If mitigation is adopted the nature of that mitigation is based on the significance assessment, both cultural (as defined by the Aboriginal community) and scientific, applied to the Aboriginal items and/or sites in question.

IPPL made a commitment that as far as is possible it would follow **Option 1** (Avoidance) but that where this was not possible a program of mitigation as set out under **Option 2** would be followed.

4.1.2 PROPOSED PRESERVATION STRATEGIES

The General Arrangement (refer **Drawing Schedule**) shows the location of all recorded Aboriginal sites, identifying those that can be avoided and those that cannot. The location of all recorded sites (refer **Appendix B**) is shown on this drawing, including 10m buffer zones around the two scarred trees, the stone arrangement and isolated artefacts that can be avoided.

4.1.2.1 Avoidance

Seven (7) of the recorded sites will be left in-situ and 37 will be relocated.

In addition to the above the following three sites will be avoided;

- the scarred tree at WPT 060 (BPST- 01),
- the scarred tree at WPT. 065 (BPST-02) and
- the stone arrangement at WPT. 062 (BPSA).

Both scarred trees, the stone arrangement and the isolated artefacts that can be avoided will be provided a 10 m buffer, protected through installing a high visibility orange, barricade fencing around these sites before any pre-construction landscape development begins.

No construction activity will be undertaken inside this barricade fencing, and this fencing will be maintained throughout the construction period.

The high visibility orange, barricade fencing around the stone arrangement will, after construction is complete, be removed and replaced with a stock-proof fence.

4.1.2.2 Mitigation

In all other cases, where avoidance is not an option, recorded artefacts will be collected prior to commencement of initial ground disturbance and in consultation with the RAP representative, removed to a safe location either on-site and reburied, or to some keeping place as nominated by the RAP representative.

The collection will be carried out in accordance with Requirement 26 of the *OEH Code of Practice for the Archaeological Investigation of Aboriginal Objects In New South Wales* (DECCW 2010). The key points of this code of practice are to

- Create a catalogue of artefacts – including photographs and drawings.
- Ensure correct storage and labelling of artefacts.
- Record details of final location of artefacts (GPS coordinates, photographs, maps etc.)

Specifically, for known and recorded Aboriginal objects kept or returned to their original location the following will occur:

- All artefacts will be either individually bagged or bagged in identifiable units that are easily referenced back to the catalogued recordings in the CHA.
- The artefacts will be double-bagged in plastic zip-lock bags with an external label written in permanent marker, and a sturdy label placed within the zip-lock bag (also in perm marker).
- Artefacts will be placed in an impervious storage container (e.g. plastic container) which will be labelled as above.
- Records of the final location will be made that include grid coordinates of final location, site plan/mud map, depth of burial (if buried) and photograph records.

4.2 ON-SITE MONITORING

- The RAPs requested and it was recommended in the CHA that they be involved in monitoring vegetation removal in the pine plantation located along the western margin of Study Area 2. If vegetation in the pine plantation is proposed, then the RAP representative will be invited to be involved in monitoring vegetation removal.

4.3 UNANTICIPATED FINDS PROTOCOL

Section 89A of the *National Parks and Wildlife (NSW) 1974* requires that any person who is aware of the existence of an Aboriginal Object is required to notify the Chief Executive of the NSW Office of Environment and Heritage. To ensure compliance with Section 89A RCRI would undertake the following:

- Ensure all staff and contractors working on-site undergo environmental due diligence training, including induction relating to Aboriginal heritage (refer **Section 4.5**).
- In the event that a site of suspected Aboriginal heritage is discovered:
 - All works will cease in the immediate area (10m buffer) and the find spot will be marked with high visibility barrier fencing.
 - The location will be recorded with a GPS using Eastings and Northings.
 - A photograph of the artefact will be undertaken with a scale (e.g. ruler) and a photograph of the general location noting the orientation (e.g. 'looking north' or 'looking east' etc.).
 - The RAP representative will be contacted and advised of the find. Consistent with the protocol for managing known sites that will be impacted (refer **Section 4.1.2**), the

discovered site will, in accordance with the preference of the RAP representative, either be reburied on-site (with GPS co-ordinates recorded) or taken to the safe keeping place.

If collected for safe keeping, the collection will be carried out in accordance with Requirement 26 of the *OEI Code of Practice for the Archaeological Investigation of Aboriginal Objects In New South Wales* (DECCW 2010). The key points of this code of practice are to:

- Create a catalogue of artefacts – including photographs and drawings.
- Ensure correct storage and labelling of artefacts.
- Record details of final location of artefacts (GPS coordinates, photographs, maps etc.)

Specifically, for an unanticipated find, the following will occur:

- A full catalogue will be made – including photographs and drawings of the artefacts. The catalogue will be printed and an electronic copy will also be made.
 - All artefacts will be either individually bagged or bagged in identifiable units that are easily referenced back to the catalogue.
 - The artefacts will be double-bagged in plastic zip-lock bags with an external label written in permanent marker, and a sturdy label placed within the zip-lock bag (also in perm marker).
 - Artefacts will be placed in an impervious storage container (e.g. plastic container) which will be labelled as above.
 - Records of the final location will be made that include grid coordinates of final location, site plan/mud map, depth of burial (if buried) and photograph records.
- Within three months of making any chance finds discovery RCRI would inform OEI of its existence through a qualified archaeologist submitting an AHIMS recording form for each discovery.
- The person submitting the information will be supplied with the information recorded at the time of field recording and/or collection.
- If any object is found suspected to be human remains, work at the location will cease and the NSW Police and the OEI will be contacted immediately. The location will be made secure to prevent unauthorised access and work continue no closer than 100 metres from the potential human remains. Works will not recommence within the secured area until this is authorised by OEI and NSW Police.

4.4 DUE DILIGENCE INDUCTION

All staff and contractors working on the MSF will undergo an environmental due diligence induction. An element of this induction will cover Aboriginal heritage. The induction will include the following:

- Clear advice that it is an offence under the *National Parks and Wildlife Act 1974* to destroy, deface or otherwise disturb an Aboriginal object without first obtaining the consent of the Director General of the NSW National Parks and Wildlife Service.
- Clarification that the Bayley Park area lies within a corridor of high cultural importance to the Aboriginal Community and although the tangible (archaeological) evidence supporting that significance has been extensively modified, if not completely removed, the tangible evidence that does remain is of moderate to high value.
- Explanation that this tangible evidence includes 38 isolated artefacts, 2 scarred trees and a stone arrangement. Emphasis that all artefacts are important to Aboriginal People and that the two recorded scarred trees and the stone arrangement hold high cultural importance.
- Emphasise that the buffer zones provided around the scarred trees and stone arrangement must not be compromised.

- An explanation of what this Cultural Heritage Management Plan (CHMP) requires in the event that
 - material suspected to be of Aboriginal heritage is found (Unanticipated Finds Protocol),
 - recorded artefacts need to be re-patriated; or
 - human remains are discovered on site.

All staff and contractors will be provided with a copy of the General Arrangement (refer **Drawing Schedule**) showing the location of all recorded Aboriginal sites, identifying those that can be avoided and those that cannot.

Consistent with OEH advice, staff and contractors will be instructed to keep a copy of this General Arrangement on their person at all times.

4.5 LONG TERM MANAGEMENT

Prior to commencing operations, IPPL is required to prepare an Operations Environmental Management Plan (OEMP). The long-term management of protected Aboriginal heritage items will be addressed in this OEMP.

4.6 ADDITIONAL INVESTIGATIONS

If, through future development planning, impacts become necessary outside the study area covered in the CHA, heritage assessment of these areas will need to be carried out.

Aboriginal Stakeholder Consultation

5.1 CONSULTATION TO DATE

Consistent with applicable guidelines all RAPs were provided with a copy of the draft Cultural Heritage Assessment for comment, inclusive of a chance (unanticipated) finds protocol.

Two RAPs responded. Neither had any recommendations for adjustments, corrections or modifications to the *Cultural Heritage Assessment Report* (Remnant Archaeology, March 2017). Specifically;

- The Anaiwan Traditional Owners Aboriginal Corporation (ATOAC) noted that all consultation and report (CHA) were well done and presented in the proper manner with respect to Aboriginal Culture and Values, and that all bases were covered and no relevant comments were needed to be incorporated in the Report.
- The Nunawanna Aboriginal Corporation noted that it was happy to accept what it did read.

5.2 RAP REPRESENTATIVE

The nominated RAP representative for ongoing consultation and RAP involvement in the implementation of this CHMP is the Anaiwan Traditional Owners Aboriginal Corp (ATOAC).

Evidence of the ATOAC's endorsement of this CHMP is provided in **Appendix D**.

5.3 COMMUNICATION PROTOCOL

The communication protocol proposed between IPPL and the ATOAC is for both parties to share contact details (telephone number and email) and for all communication concerning Aboriginal cultural heritage matters to be between the Proponent (IPPL) and the ATOAC direct.

The Contractor (RCRI) will report on all relevant Aboriginal heritage matters to IPPL in a timely manner and co-operate fully with outcomes agreed to between IPPL and ATOAC.

ATOAC will be contacted by IPPL in the following circumstances:

- the relocation of any heritage items that are to be disturbed by the development to suitable alternative locations prior to construction.
- in the event of an unanticipated find to verify the status of the find and to determine its significance.
- the erection and removal of barrier fencing around the scarred trees and stone arrangement at the time these events occur.
- in the event that vegetation removal in the pine plantation located along the western margin of Study Area 2 is proposed.

References

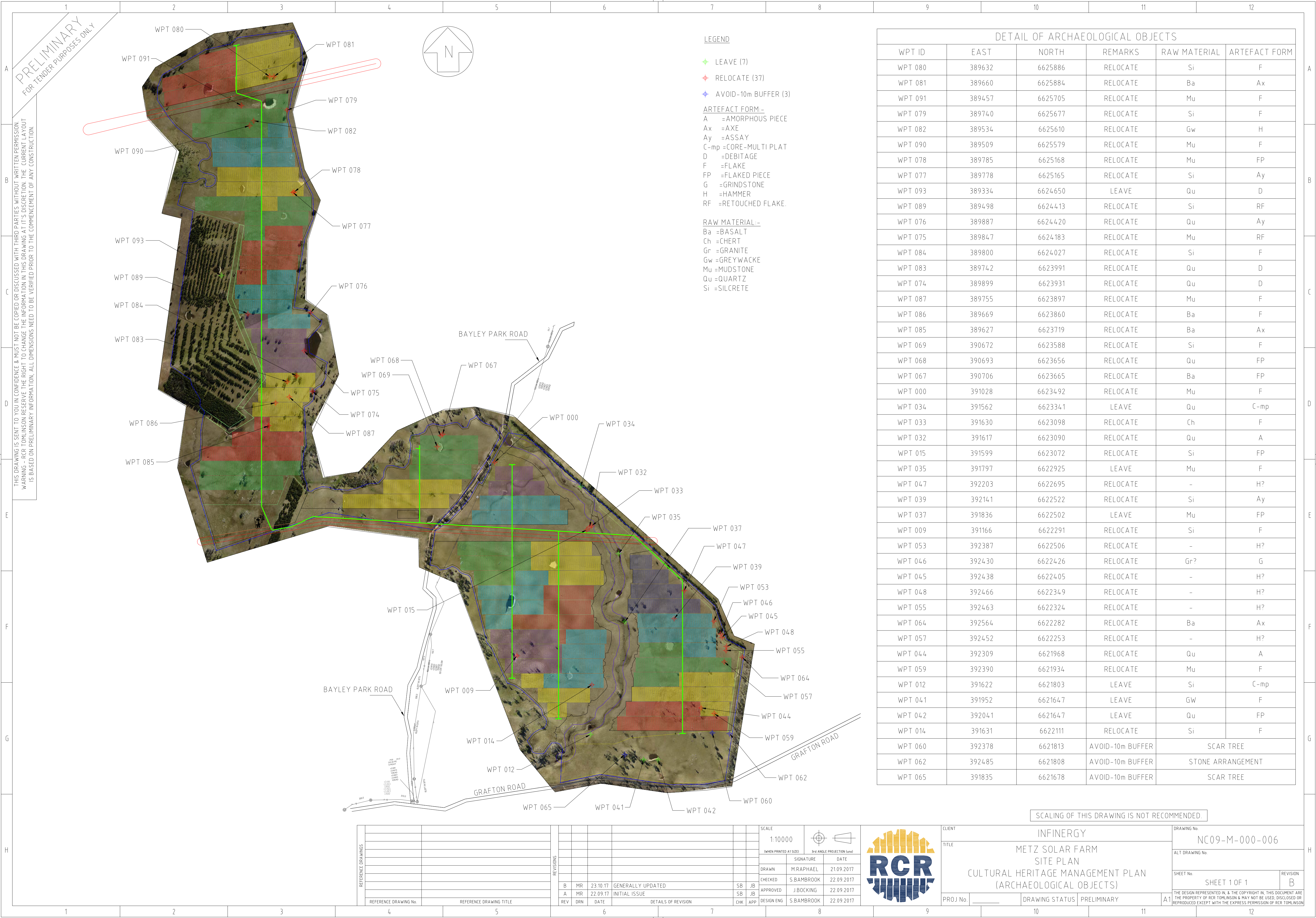
Department of Planning and Environment (July 2017) *Assessment Report*

EcoLogical (March 2017) *Metz Solar Farm Environmental Impact Statement*

EcoLogical (June 2017) *Additional information supporting the Metz Solar Farm Environmental Impact Statement*

Department of Environment, Climate Change and Water (2010) *OEH Code Of Practice For The Archaeological Investigation Of Aboriginal Objects In New South Wales*

Drawing Schedule



Appendix A

LOCATION OF ARCHAEOLOGICAL OBJECTS AND/OR PLACES



The location of archaeological objects and/or places in Study Area 1. Source: Appendix D, Environmental Impact Statement, Figure 11.



The location of archaeological objects and/or places in Study Area 1. Source: Appendix D, Environmental Impact Statement, Figure 12.



The location of archaeological objects and/or places in Study Area 1. Source: Appendix D, Environmental Impact Statement, Figure 13.

Appendix B

ARTEFACT LOGS

APPENDIX H - ARTEFACT RECORD

LANDSCAPE AND LOCATION: “Bayley Park”, Metz-Hillgrove, Waterfall Way. Limerick Ck dissects the southern study area (Study Area 3). Undulating plains amid gentle slopes.

ARTEFACT FORM: A-amorphous piece, Ax-axe, Ay-Assay C-mp-core-multi plat, D-debitage, F-flake, FP-flaked piece, G-grindstone, H-hammer, RF-retouched flake.

NOTES: Cleared of trees across all three study areas, small sparse pockets of remnant trees still present. Good indicator of previous forest environment along Bayley Park Road. Most paddocks sown with improved pasture, especially in the northern study areas. Cropping occurs in the north-east quarter of the southern study area. Grazing cattle all other areas except northern-most portion of Study Area 1 where sheep are pastured.

DATE: December 2016

RECORDER: KNUCKEY

RAW MATERIAL: Ba-basalt, Ch-chert, Gr-granite, Gw-greywacke, Mu-mudstone, Qu-quartz, Si-silcrete.

ARTEFACT and LOCATION DATA

Study Area	Wpt ID	Site ID	Art. No.	Co-ordinates (GDA94)		Raw Mat.	Art. Form
				East	North		
SA-3	000	BPIA-01	-	391028	6623492	M	F
SA-3	009	BPIA-02	-	391166	6622291	Si	F
SA-3	012	BPIA-03	-	391622	6621803	Si	C-mp
SA-3	014	BPIA-04	-	391631	6622111	Si	F
SA-3	015	BPAC-01	001	391599	6623072	Si	FP
SA-3	032		002	391617	6623090	Qu	A
SA-3	033		003	391630	6623098	Ch	F
SA-3	034	BPIA-05	-	391562	6623341	Qu	C-mp

FLAKES

Dimensions (mm)			Platform Surface	Platform (mm)		% Dorsal Cortex	Termination
L	W	T		W	T		
10	5	3	-	-	-	0	F
23	20	5	Trans. snap – proximal missing				F
60	50	55	-	-	-	-	-
33	25	7	Cortex	10	2	25	F
35	25	10	Indeterm	-	-	50	-
20	16	5	-	-	-	50	-
17	16	5	Fl. scar	8	4	25	-
90	80	40	-	-	-	-	-

CORES

Platform Count	Platform Prep	% Cortex	Termination Count	
			Feather	Step
-	-	-	-	-
-	-	-	-	-
2	Y	0	5	2
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
Trans. snap-distal missing			-	-
3	N	25	4	2

[illegible]

SA-2	076	BPIA-24	-	389887	6624420	Qu	Ay
SA-1	077	BPAC-03	001	389778	6625165	Si	Ay
SA-1	078		002	389785	6625168	M	FP
SA-1	079	BPIA-25	-	389740	6625677	Si	F
SA-1	080	BPIA-26	-	389632	6625886	Si	F
SA-1	081	BPIA-27	-	389660	6625884	Ba	Ax
SA-1	082	BPIA-28	-	389534	6625610	Gw	H
SA-2	083	BPIA-29	-	389742	6623991	Qu	D
SA-2	084	BPIA-30	-	389800	6624027	Si	F
SA-2	085	BPIA-31	-	389627	6623719	Ba	Ax
SA-2	086	BPIA-32	-	389669	6623860	Ba	F
SA-2	087	BPIA-33	-	389755	6623897	M	F
SA-2	089	BPIA-34	-	389498	6624413	Si	RF
SA-1	090	BPIA-35	-	389509	6625579	M	F
SA-1	091	BPIA-36	-	389457	6625705	M	F
SA-2	093	BPIA-37	-	389334	6624650	Qu	D

65	80	40	-	-	-	75	-
90	80	75	Scar	40	10	25	F
75	50	10	Indeterm	-	-	12	-
65	65	30	Scars x2	40	15	50	F
45	37	10	Cortex	10	4	50	F
100	80	35	-	-	-	12	-
150	90	50					
20	13	5	Bipolar	Crushing present on both ends			
36	28	5	Cortex	15	5	25	F
150	70	40	-	-	-	12	-
24	24	5	Cortex	15	5	0	F
30	23	5	Cortex	10	4	0	F
30	26	9	Scar x2		20	10	F
15	19	4	Scar	8	4	0	-
65	40	8	Scar	10	4	50	F
16	15	5	Indeterm	-	-	75	-

-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
Flake scar at proximal end, on ventral surface. Retouch or removed at same time as initial strike?				
Small area of ground surface still visible				-
Crushing present on both ends				-
-	-	-	-	-
-	-	-	-	-
Small area of ground surface still visible				-
-	-	-	-	-
-	-	-	-	-
Some retouch around margins				-
Trans. snap – distal missing				-
Stock damage along margin				-
-	-	-	-	-

Waypoint 000

n/a

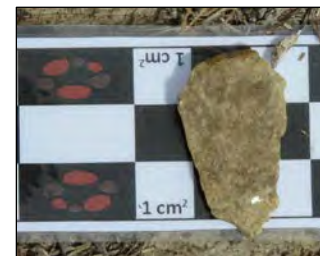
Waypoint 009



Waypoint 012



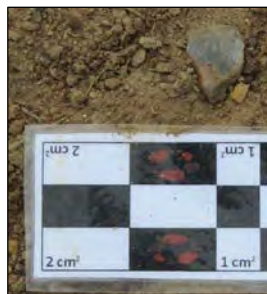
Waypoint 014



Waypoint 015



Waypoint 032



Waypoint 033



Waypoint 034



Waypoint 035

n/a

Waypoint 037



Waypoint 039



Waypoint 041



Waypoint 042



Waypoint 044



Waypoint 045



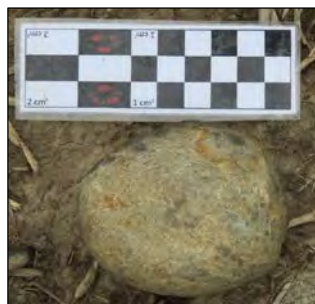
Waypoint 046



Waypoint 047



Waypoint 048



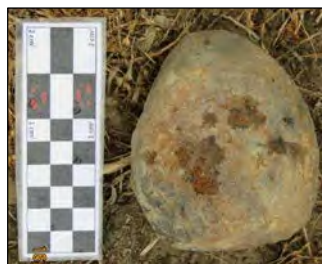
Waypoint 053



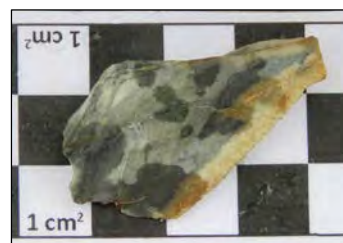
Waypoint 055



Waypoint 057



Waypoint 059



Waypoint 064



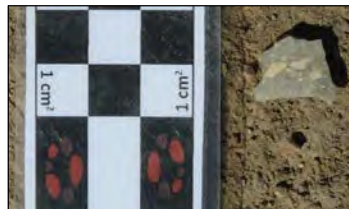
Waypoint 067



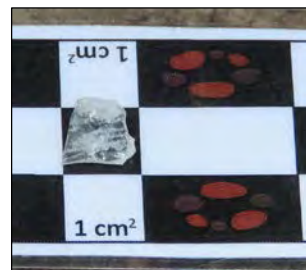
Waypoint 068



Waypoint 069



Waypoint 074



Waypoint 075



Waypoint 076



Waypoint 077



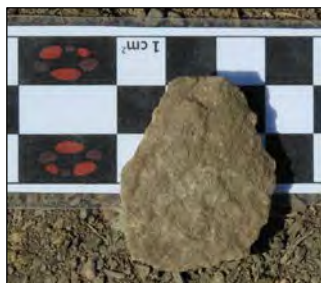
Waypoint 078



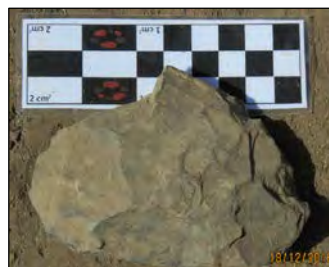
Waypoint 079



Waypoint 080



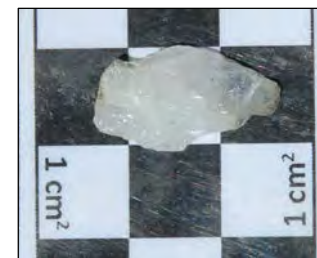
Waypoint 081



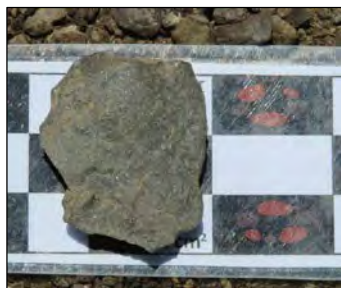
Waypoint 082



Waypoint 083



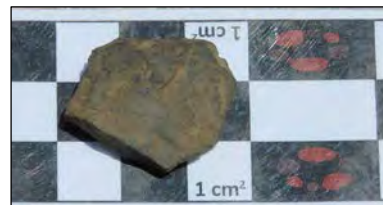
Waypoint 084



Waypoint 085



Waypoint 086



Waypoint 087



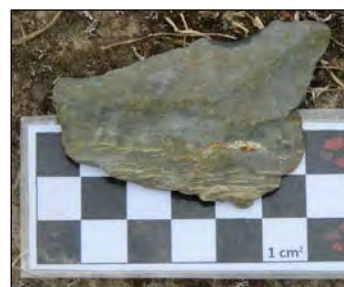
Waypoint 089



Waypoint 090



Waypoint 091



Waypoint 093



Appendix C

OEH CONSULTATION



Office of Environment & Heritage

Our Ref: DOC17/487730
Your Ref: Metz Solar Farm ACHMP

Jane Ross
Development Director
Infinergy Pacific Ltd
44 Quayle Street
Sandy Bay, TAS, 7005

Dear Ms Ross

Re: Metz Solar Farm – Aboriginal Cultural Heritage Management

Thank you for your email dated 25 September 2017 about the Aboriginal Cultural Heritage Management Plan (ACHMP) for the Metz solar farm project seeking comments from the Office of Environment and Heritage (OEH). I appreciate the opportunity to provide input.

The OEH has reviewed the draft ACHMP for the proposed Metz Solar Farm project and has the following comments to make.

The OEH considers the ACHMP is mostly adequate, identifying and providing agreed management protocols for Aboriginal cultural heritage sites and objects identified within the subject lands. We also note that provision for dealing with previously unidentified Aboriginal objects that may be discovered during the proposed works has also been included and that the proposed management measures have been developed in consultation with the project Registered Aboriginal Parties.

The OEH does have concerns, however, with the clarity of a number of figures in the report, in particular Figure 1 and Drawing No. NC09-M-000-006 (page 18 of 30 in the ACHMP).

Figure 1 includes a legend which identifies '10m Aboriginal Artefact Buffer Zone' with a pink colour. We understand that this legend item refers to the three identified Aboriginal cultural objects (two scarred trees and a stone arrangement) which will be protected from any harm as a result of the project. One of these areas is not visible at all on Figure 1 and the other two are heavily obscured. The OEH recommends amending this figure to more clearly identify these areas.

Drawing No. NC09-M-000-006 details the Aboriginal objects known to exist within the project area. Included in the figure is a legend identifying what the colour of each indicated location means and also a table of reference. We understand that this drawing may be used to inform persons carrying out works associated with the project of the Aboriginal cultural heritage values and management requirements at these locations. The OEH considers that the table attached to this figure should include a fifth column which identifies the nature of the objects at each marked location and also amend the term 'avoid' in the fourth column to 'avoid – 10 metre buffer'. This will ensure that the agreed management protocols are followed by all persons carrying out works and the nature of

known objects at any location is clear. This will assist in the identification of any new objects that may be located as a result of the proposed works.

We also suggest that all personnel that carry out works associated with the project, are provided with a copy of both Figure 1 and Drawing No. NC09-M-000-006 as part of the Aboriginal cultural heritage induction process. These personnel, should keep these documents on their person for reference at all times.

If you have any further questions about this issue, Mr Roger Mehr, Archaeologist, Regional Operations, OEH, can be contacted on (02) 6773 7005 or at roger.mehr@environment.nsw.gov.au.

Yours sincerely

Owner 5.10.2017.

NICKY OWNER
A/Senior Team Leader Planning, North East
Regional Operations

Contact officer: ROGER MEHR
(02) 6773 7005

Cc Mr Tim Stuckey – DPE
Mr Stephen Shoesmith - DPE

Appendix D

RAP REPRESENTATIVE ENDORSEMENT



ANAIWAN TRADITIONAL OWNERS ABORIGINAL CORPORATION

5 KILLARA DRIVE
CARDIFF SOUTH
NSW 2285
ABN 28 986 505 507
ANAIWANTOAC@GMAIL.COM
25/10/2017

Jane Ross
Development Director
INFINERGY PACIFIC Ltd

Dear Jane,

Re: Proposed Metz Solar Farm, Bayley Park, Waterfall Way, Armidale NSW.

On behalf of ATOAC I would to state that the ATOAC traditional owners and relevant members have been presented with the cultural heritage management plan. ATOAC members agree and endorse plan and have no further comments to add.

Executive Summary

ATOAC has members that are traditional owners of the land and Direct Descendants of the Anaiwan people and are in the process of submitting a Native Title claim which covers the whole of the Northern Tablelands region.

We are a registered Aboriginal Corporation under the Federal Governments Aboriginal Corporations Act and are registered with the Office of Environment & Heritage (OEH). Our Sites Officers have more than 30 years of experience and are properly certified with all the necessary qualifications.

The ATOAC has a responsibility to its traditional owners for the ongoing protection and conservation of the Aboriginal Culture and Heritage and recommends that all proposed projects and cultural heritage works to be assessed by an Anaiwan Traditional Owners Aboriginal Corporation Cultural and Heritage Officer.

Yours sincerely
David Ahoy
Director
ATOAC
Mobile – 0421329520

Yugga danya Ngawanya
(I am a Man of the Anaiwan people.)
Roonyahra tanya tampida Ngawanya
(This is the ancestral land of the Ngawanya.)
Ootila tanya yoonyarah
(I welcome you to this land.)