



Central Queensland Coal Project
Appendix 11b – Draft Offset Delivery
Plan

Central Queensland Coal

CQC SEIS, Version 3

October 2020

Offset Delivery Plan

Central Queensland Coal Project

August 2020



APPROVALS

Rev	Date	Description
0	30 July 2020	Draft issued for review
1	25 August 2020	Draft revised for submission

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1 INTRODUCTION

Central Queensland Coal Pty Ltd (CQC) and Fairway Coal Pty Ltd (the joint proponents) propose to develop the Central Queensland Coal Project (the Project), located 130 km north-west of Rockhampton in the Styx Basin in Central Queensland. As CQC is the senior proponent, CQC is referred to as the proponent for this Project, which involves the extraction of up to ten million tonnes per annum (Mtpa) of product coal for the export market over a life of approximately 20 years.

The Project's proposed development footprint is within two Mining Lease Application (ML) areas, ML 80187 and adjacent ML 700022. The Project's open cut mines and associated infrastructure will be located on the Mamelon property (comprising Lot 9 MC496, Lot 10 MC493 and Lot 11 MC2). The train loadout facility (TLF) will be located on the Strathmuir property and a small portion of the haul road to the TLF located on the Brussels property.

Under the *Environment Protection and Biodiversity Conservation Act 1999* (Cth; EPBC Act) the Project was determined to be a controlled action (EPBC 2016/7851). It is being assessed under the bilateral agreement between the Commonwealth and the State of Queensland (section 45 of the EPBC Act) through an Environmental Impact Statement (EIS) process being completed under *the Environmental Protection Act 1994* (Qld: EP Act).

An Environmental Impact Statement (EIS) (November 2017), a Supplementary EIS (SEIS) (Version 1; May 2018), and an amended SEIS (Version 2; December 2018) have previously been prepared for the Project under the EP Act. Following regulator comments received by CQC in June 2019, further technical studies and assessments were required. CQC has since prepared an amended SEIS (Version 3; August 2020) to adequately address regulator comments and progress the Project's assessment.

Subject to Project approval, it is likely CQC will be required to provide environmental offsets in accordance with the EPBC Act Environmental Offsets Policy (DSEWPC 2012) and the Queensland Environmental Offsets Policy (Version 1.8; DES 2020) for the Project's significant residual impacts to matters of national environmental significance (MNES) and matters of state environmental significance (MSES).

2 PURPOSE

The purpose of this document is to outline CQC's approach to providing environmental offsets for the Project that comply with the Commonwealth Government's Environmental Offsets Policy as required under the EPBC Act, and the Queensland Government's Environmental Offsets Policy, as required under the Queensland Environmental Offsets Framework.

This Offset Delivery Plan (ODP) has been developed in conjunction with the Project's Biodiversity Offset Strategy (BOS) and Offset Area Management Plans (OAMPs) to provide the following specific information:

- ▶ particulars of the land on which the environmental offsets will be undertaken
- ▶ a map of the offset areas, including GPS points
- ▶ the type and location of protected matters to be offset, including the area of primary habitat for each protected matter
- ▶ for MNES, completed OAG and supporting justification
- ▶ for MSES, results of the Land-based Offset Multiplier Calculator
- ▶ detailed baseline description of offset areas, including:
 - results of surveys undertaken

- condition of existing protected matters and their habitats
- connectivity with other habitat areas and biodiversity corridors
- baseline vegetation and habitat quality scores
- the management objectives, interim performance targets and completion criteria to achieve a conservation outcome for the protected matter
- activities that will be undertaken to achieve the management objectives and outcomes
- ▶ a table of specific goals and associated timeframes for management measures with criteria for assessing the success of management measures, and corrective measures to be implemented if criteria are not met
- ▶ transparent governance arrangements, including being able to be readily measured, monitored, audited, and enforced
- ▶ evidence that the proponent, and any other entity that owns land on which the environmental offset will be undertaken, agree to the offset being undertaken, including being signed by the proponent, and any other entity that owns land on which the environmental offset will be undertaken
- ▶ existing land use of the land on which the environmental offset will be undertaken and any impact that land use may have on the delivery of the offset
- ▶ a monitoring and reporting program to measure the success of the management measures against stated performance criteria including monitoring locations, parameters and timing, which will be used to:
 - assess progress towards achieving targets for each offset area
 - identify any potential risks to achieving the objectives and outcomes of the plan
 - inform the implementation of corrective actions
 - identify when the objectives and targets have been achieved.
- ▶ estimated time until the offset management objectives and outcomes will be achieved
- ▶ identification of all registered interests including mortgages, leases, subleases, covenants, easements and building statements, that have been registered on title
- ▶ for MSES, where a land-based offset is not proposed to be delivered, details of the proposed financial settlement offset to be delivered.

3 SUMMARY INFORMATION

3.1 DEPARTMENTAL REFERENCE DETAILS

The following sections and tables have been developed to meet the specific information requirements of the Queensland Government’s Environmental Offsets Policy and therefore any reference to ‘Department’ throughout is referring to the Department of Environment and Science (DES).

For the Department’s reference, the impact site’s assessment and property information is given in Table 1.

Table 1: Impact site reference and assessment details

Impact Site Reference and Assessment Details:		
Department application/reference number: (if applicable)	Authority Number: (if applicable)	Offset ID: (if applicable)
Property address: 130 km north-west of Rockhampton (25 km north-west of Marlborough), Styx Basin, Central Queensland		
Real property description (Primary Lot on Plan/s): Mamelon property - Lot 9 MC496, Lot 10 MC493 and Lot 11 MC23 Strathmuir property - Lot 9 MC230 Brussels property - Lot 85 SP164785		
Tenure: Freehold	Primary Local Government Area: Livingstone Shire Council	
Offset Delivery Plan Amendment: In accordance with sections 19(7), 19A(4)(b) and 20(2)(b) of the <i>Environmental Offset Act 2014</i> this Offset Delivery Plan is being submitted as part of an amendment to an agreed delivery arrangement for a proponent-driven offset (yes) <input type="checkbox"/> (no) <input checked="" type="checkbox"/>		

3.2 QUEENSLAND OFFSET ACT TRIGGERS

Assessment of this Project under the Queensland Environmental Offsets Framework and against the *Environmental Offsets Act 2014* (Qld: EO Act) and Environmental Offsets Policy, has identified the relevant offset triggers for the Project (Table 2).

Table 2: Environmental Offset Act offset triggers

Environmental Offset Act Offset Triggers:	
<p>Activities prescribed for section 9(c) of the EO Act</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> a resource activity carried out under an environmental authority under the <i>Environmental Protection Act 1994</i> (Qld; EP Act) for which an amendment application, a site-specific application or a variation application was made <input type="checkbox"/> a prescribed environmentally relevant activity under the EP Act <input type="checkbox"/> the carrying out of works authorised under the <i>Marine Parks Act 2004</i> in a marine park <input type="checkbox"/> an activity conducted under an authority granted, made, issued or given under the <i>Nature Conservation Act 1992</i> (Qld; NC Act), section 34, 35, 38, 42AD or 42AE in a protected area <input type="checkbox"/> taking a protected plant within the meaning of the NC Act under a protected plant clearing permit granted under the Nature Conservation (Administration) Regulation 2006 <input type="checkbox"/> development for which an environmental offset may be required under any of the following modules of the State development assessment provisions— <ul style="list-style-type: none"> (a) module 4 (environmentally relevant activities); (b) module 5 (fisheries resources); (c) module 8 (native vegetation clearing); (d) module 10 (coastal protection); (e) module 11 (wetland protection and wild river areas) <input type="checkbox"/> development for which an environmental offset may be required under any of the following— <ul style="list-style-type: none"> (a) a local planning instrument; (b) a State planning regulatory provision within the meaning of the <i>Sustainable Planning Act 2009</i>; (c) the State Planning Policy 2013, Part E: Interim development assessment requirements 	<p>Matters prescribed for section 10(i) of the EO Act</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Regulated Vegetation <input type="checkbox"/> Connectivity Areas <input type="checkbox"/> Wetlands and Watercourses <input checked="" type="checkbox"/> Protected wildlife habitat <input type="checkbox"/> Protected areas <input type="checkbox"/> Designated precinct in a strategic environmental area <input type="checkbox"/> Highly protected zones of State marine parks <input type="checkbox"/> Fish habitat areas <input checked="" type="checkbox"/> Waterway providing for fish passage <input type="checkbox"/> Marine plants <input type="checkbox"/> Legally secured offset areas <input type="checkbox"/> Matter of Local Environmental Significance

3.3 OFFSET DETAILS

3.3.1 Delivery

The Project's offsets, the subject of this delivery plan, will be delivered using proponent-driven land-based offsets (Mamelon and [REDACTED]; particulars given in section 4.2.1) and a financial settlement offset (particulars given in section 4.2.2).

3.3.2 Landowner details

Landholder details for the two land-based offset properties, Mamelon (Lot 9 MC496, Lot 10 MC493 and Lot 11 MC23) and [REDACTED], are given in Table 3 and Table 4 respectively. It should be noted that the Mamelon registered owner, QNI Metals Pty Ltd, and the joint Project proponents (CQC and Fairway Coal) are all related companies having common shareholder ownership and control.

Table 3: Mamelon landowner details

Landowner Details:			
Registered Owner/s on Title:	QNI Metals Pty Ltd		
Lessee: (if applicable)	N/A	Trustee: (if applicable)	N/A
ABN/ACN: (if applicable)	ABN 56 066 656 175 / ACN 066 656 175		
Phone:	07 4720 6422	Mobile:	-
Primary contact person:	George Lukacs		
Email:	George.Lukacs@qni.com.au		
Postal Address:	PMB 5, Townsville MC QLD 4810		

Table 4: [REDACTED] landowner details

Landowner Details:			
Registered Owner/s on Title:	[REDACTED]		
Lessee: (if applicable)	As above	Trustee: (if applicable)	[REDACTED]
ABN/ACN: (if applicable)	[REDACTED]		
Phone:	-	Mobile:	[REDACTED]
Primary contact person:	[REDACTED]		
Email:	[REDACTED]		
Postal Address:	[REDACTED]		

3.3.3 Registered interest details

Registered interest details for Mamelon and [REDACTED] are given in Table 5 and Table 6 below.

Table 5: Mamelon registered interest details

Lot/plan	Type of interest	Name of interest holder	Contact details	Has interest holder been contacted?	Has interest holder granted permission?	Evidence attached
Lot 9 MC496, Lot 10 MC493 and Lot 11 MC23	Mortgage	John Park, Kelly-Anne Trenfield, Quentin Olde, Stefan Dopking (Tenants in common, ¼ each)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>
Lot 9 MC496, Lot 10 MC493 and Lot 11 MC23	MDL468 (expires 31/01/2024)	Fairway Coal Pty Ltd	See Table 3	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>
Lot 10 MC493	EPC1029 (expires 19/04/2021)					

Table 6: [REDACTED] registered interest details

Lot/plan	Type of interest	Name of interest holder	Contact details	Has interest holder been contacted?	Has interest holder granted permission?	Evidence attached
[REDACTED]	[REDACTED]	[REDACTED]		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>
	[REDACTED]	[REDACTED]		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>
	[REDACTED]	[REDACTED]		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>

4 PROPORTIONATE OFFSET SIZE AND SCALE

4.1 MATTERS IMPACTED

Details about the Project's impact site and the significant residual impacts on MNES and MSES are provided in Table 7 and impact site particulars are attached in Appendix A.

Table 7: Impact site particulars

Impact Site Particulars:					
Total Impact Area (ha): Direct (1,372.5 ha) and Indirect (165.2 ha)			Local Government Area: Livingstone Shire Council		
Bioregion: Brigalow Belt			Subregion: Marlborough Plains		
Protected Matter	Matter Group	Significant Residual Impact			Impact Habitat Quality Score
		Direct (ha)	Indirect (ha)	Total (ha)	
MNES					
Listed threatened species and ecological communities	Greater glider (<i>Petauroides volans</i>)	115.7	165.2	281.0	7
	Koala (<i>Phascolarctos cinereus</i>)	159.4	165.2	324.6	7
	Squatter pigeon (southern) (<i>Geophaps scripta scripta</i>)	141.4	165.2	306.6	7
	Ornamental snake (<i>Denisonia maculata</i>)	18.8	0	18.8	5
MSES					
Regulated vegetation	RE 11.3.4 (BVG 16c)	1.4	39.3	40.7	7
	RE 11.4.2 (BVG 17a)	110.8	0	110.8	7
	Watercourse vegetation RE 11.3.4 (BVG 16c)	0.5	3.8	4.3	7
	Watercourse vegetation RE 11.3.25 (BVG 16a)	10.7	68.1	78.8	8
	Essential habitat for greater glider	0	15.0	15.0	N/A
	Essential habitat for koala	96.1	14.3	110.4	N/A
	Essential habitat for squatter pigeon	14.6	14.3	28.9	N/A
Protected wildlife habitat	Greater glider	115.7	165.2	281.0	7
	Koala	159.4	165.2	324.6	7
	Squatter pigeon	141.4	165.2	306.6	7
	Ornamental snake	18.8	0	18.8	5
Waterway providing for fish passage	Waterway fish passage	8.35 ⁺	-	8.35 ⁺	N/A

+ Based on an impact to 8.35 km of waterway providing for fish passage with an average width of 10 m. Impact site particulars are attached

CSV data results of matters contained on the impact site are attached

4.2 OFFSETS PROPOSED

4.2.1 Land-based offsets

The size and scale of the MNES and MSES offsets on Mamelon and [REDACTED] were determined using the Guide to Determining Terrestrial Habitat Quality (Version 1.2; DEHP 2017), the Commonwealth's offsets assessment guide and the Queensland Government's land-based Offset Multiplier Calculator.

A summary of the offset area and habitat quality on Mamelon and [REDACTED] is provided in Table 8 and Table 9 respectively, with offset site particulars attached in Appendix B. The detailed habitat quality assessments and offset assessment guide inputs, justifications and results are provided as appendices in the Project's BOS, while the land-based offset multiplier calculator results are provided in Appendix E of this ODP.

Table 8: Mamelon offset site particulars

Mamelon Offset Site Particulars:					
Offset Area (ha): 2,803 ha total			Local Government Area: Livingstone Shire Council		
Tenure: Freehold			Zoning: Rural		
Address: 11 St Lawrence Road, Ogmore, Qld 4706			Lot/Plan: 9 MC496, 10 MC493 and 11 MC23		
Protected Matter	Matter Group	Bioregion	Subregion	Offset area (ha)	Start Habitat Quality Score
MNES					
Listed threatened species and ecological communities	Greater glider	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	2,428.4	7
	Koala	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	2,803.4	7
	Squatter pigeon	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	2,667.1	7
MSES					
Regulated vegetation	RE 11.3.4 (BVG 16c)	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	14.8	7
	RE 11.4.2 (BVG 17a)	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	443.2	6
	Watercourse RE 11.3.4 (BVG 16c)	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	14.8	7
	Watercourse RE 11.3.25 (BVG 16a)	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	100.8	8
	Essential habitat for greater glider	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	As per MNES*	

Mamelon Offset Site Particulars:				
	Essential habitat for koala	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	As per MNES*
	Essential habitat for squatter pigeon	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	As per MNES*
Protected wildlife habitat	Greater glider	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	As per MNES*
	Koala	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	As per MNES*
	Squatter pigeon	BRB	Marlborough Plains, Nebo Connors Ranges, Boomer Range	As per MNES*

* To be offset as an MNES protected matter, noting that the State cannot impose an offset condition for a prescribed activity that has the 'same, or substantially the same' impact on the 'same, or substantially the same' matter as the MNES, if it has already been assessed as a 'controlled action' under the EPBC Act.

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Table 9: [REDACTED] offset site particulars

[REDACTED] Offset Site Particulars					
Offset Area (ha): 227 ha total			Local Government Area: [REDACTED]		
Tenure: [REDACTED]			Zoning: [REDACTED]		
Address: [REDACTED]			Lot/Plan: [REDACTED]		
Protected Matter	Matter Group	Bioregion	Subregion	Offset area (ha)	Start Habitat Quality Score
MNES					
Listed threatened species and ecological communities	Ornamental snake	BRB	[REDACTED]	121.1	7
MSES					
Regulated vegetation	RE 11.3.4 (BVG 16c)	BRB	[REDACTED]	148.0	8
	Watercourse RE 11.3.4 (BVG 16c)	BRB	[REDACTED]	2.4	8
	Watercourse RE 11.3.25 (BVG 16a)	BRB	[REDACTED]	78.6 [^]	8
Protected wildlife habitat	Ornamental snake	BRB	[REDACTED]	As per MNES*	

[^] Remaining MSES watercourse RE 11.3.25 (BVG 16a) impact area to be offset (33.05 ha of the total significant residual impact of 78.8 ha) is proposed to be acquit through a financial settlement offset. The land-based offsets for this MSES on Mamelon and [REDACTED], plus the financial settlement offset for this MSES, will fully acquit this protected matter.

* To be offset as an MNES protected matter, noting that the State cannot impose an offset condition for a prescribed activity that has the 'same, or substantially the same' impact on the 'same, or substantially the same' matter as the MNES, if it has already been assessed as a 'controlled action' under the EPBC Act.

Offset site particulars are attached

CSV data results of matters contained on the offset site are attached

4.2.2 Financial settlement offset

For the MSES not acquit by the proposed land-based offsets on Mamelon and [REDACTED], a financial settlement offset is proposed for:

- ▶ Watercourse RE 11.3.25 (BVG 16a) (only part of impact remaining to be offset, 33.95 ha)
- ▶ Waterway providing for fish passage (all of impact remaining to be offset, 8.35 ha).

In accordance with the Queensland Environmental Offsets Policy, the financial settlement offset calculator has been used to calculate the cost of this financial settlement offset. Using a separate section for each of the two distinct matter area impacts listed above, a combined total cost of \$874,585.65 has been calculated. Details of this financial settlement offset are provided with the Department's Environmental Offset Delivery Form 4: Financial Settlement Details attached in Appendix C of this ODP.

EOD4—Environmental Offsets Delivery Form 4: Financial Settlement Details is attached as part of the Notice of Election

5 ACHIEVING CONSERVATION OUTCOMES

5.1 OFFSET SITE PARTICULARS

5.1.1 Detail of offset land

Details of the Mamelon and [REDACTED] offset areas are provided in the Project's BOS, throughout this ODP, and with the Department's Environmental Offset Delivery Form 3: Offset Area Details attached in Appendix D of this ODP.

EOD3 – Environmental Offset Delivery Form 3: Offset Area Details is attached

5.1.2 Existing land use

Mamelon

The Mamelon property, located in Ogmoo (25 km north-west of Marlborough), is approximately 6,259 ha in size and zoned rural with the primary existing land use being cattle grazing. Improvements on the land include housing, sheds, water storages, fencing, cattle yards; accessed throughout by unsealed access tracks. A high voltage transmission line traverses the property within an easement that has been excluded from the offset area.

Mamelon is also where the Project is proposed to be located, however all proposed offset areas have been situated outside all proposed mining (activity and infrastructure) areas, mining lease application areas (MLA 80187 and MLA 700022), as well as any areas that have been determined as being potentially impacted by groundwater drawdown.

[REDACTED]

The [REDACTED] property, located in [REDACTED] is approximately [REDACTED] ha in size and zoned rural with the primary existing land use being cattle grazing. Improvements on the land include housing, sheds, water storages, fencing, cattle yards; accessed throughout by unsealed access tracks.

5.1.3 Map of proposed offset site

Mapping and details of management to occur at Mamelon and [REDACTED] offsets are set out in the corresponding Draft OAMPs (Appendix F and Appendix G).

Map of the proposed offset sites are attached (as part of the OAMPs)

5.1.4 Threatening processes

Mamelon

The Mamelon offset is subject to the following threatening processes:

- ▶ Degradation of habitat
- ▶ Habitat loss through vegetation clearing
- ▶ Degradation of habitat by livestock overgrazing
- ▶ Predation of protected fauna by wild dogs, feral cats and foxes
- ▶ Degradation of habitat by rabbits and feral pigs
- ▶ Invasion of habitat by weed species, including exotic grasses
- ▶ Decrease in the habitat quality score for any offset value from baseline and subsequent monitoring events as a result of fire management measures, or an unplanned fire

- ▶ Offset fails to achieve the interim performance targets and completion criteria within the anticipated 10 and 20 year timeframes, respectively.

The [REDACTED] offset is subject to the following threatening processes:

- ▶ Degradation of habitat
- ▶ Habitat loss through vegetation clearing
- ▶ Degradation of habitat by livestock overgrazing
- ▶ Predation of protected fauna by feral cats and foxes
- ▶ Poisoning of ornamental snake through ingestion of cane toads
- ▶ Degradation of habitat by rabbits and feral pigs
- ▶ Invasion of habitat by weed species, including exotic grasses
- ▶ Decrease in the habitat quality score for any offset value from baseline and subsequent monitoring events as a result of fire management measures, or an unplanned fire
- ▶ Offset fails to achieve the interim performance targets and completion criteria within the anticipated 10 and 20 year timeframes, respectively.

Details of threatening processes are attached (as part of the OAMPs)

5.1.5 Conservation Outcome

Mamelon

The Mamelon offset area will achieve a conservation outcome for:

- ▶ Greater glider (*Petauroides volans*) – MNES
- ▶ Koala (*Phascolarctos cinereus*) – MNES
- ▶ Squatter pigeon (southern) (*Geophaps scripta scripta*) – MNES
- ▶ Of concern RE 11.3.4 (BVG 16c) – MSES
- ▶ Of concern RE 11.4.2 (BVG 17a) – MSES
- ▶ Watercourse RE 11.3.4 (BVG 16c) – MSES
- ▶ Watercourse RE 11.3.25 (BVG 16a) – MSES.

The [REDACTED] offset area will achieve a conservation outcome for:

- ▶ Ornamental snake (*Denisonia maculata*) – MNES
- ▶ Of concern RE 11.3.4 (BVG 16c) – MSES
- ▶ Watercourse RE 11.3.4 (BVG 16c) – MSES
- ▶ Watercourse RE 11.3.25 (BVG 16a) – MSES.

Achieving Mamelon and [REDACTED] conservation outcomes

Conservation outcomes will be achieved in accordance with the interim performance targets and completion criteria defined for the:

- ▶ Mamelon offset area in the Draft Mamelon OAMP (Appendix F; Section 5, Table 9)

- ▶ [REDACTED] offset area in the Draft [REDACTED] OAMP (Appendix G; Section 5, Table 9).

Following approval and implementation of the OAMPs, the interim performance targets and completion criteria are expected to be achieved within 10 and 20 years, respectively. The management actions in the OAMPs have been designed to minimise the risk of identified threats to the MNES and MSES occurring and to improve habitat for offset matters across the offset area.

The conservation outcome statements are attached (as part of the OAMPs)

5.1.6 Management actions

The overall aim of the attached Draft OAMPs for Mamelon and [REDACTED] (Appendix F and Appendix G) is to improve the condition of MNES and MSES values within the offset areas. To achieve this, the OAMPs address the key threats to each MNES and MSES by implementing the recommended priority actions listed in recovery plans, threat abatement plans and conservation advices. The specific management actions to be undertaken in each management zone to address the threatening processes and achieve the stated conservation outcomes for MNES and MSES are detailed in these OAMPs.

Once finalised (following endorsement of the offsets assessment guides for MNES attached to the BOS) and approved by the regulators, the OAMPs will be implemented by CQC.

Details of management actions are attached (as part of the OAMPs)

5.2 RISKS TO OFFSET DELIVERY

5.2.1 Risk Analysis

For both the Mamelon and [REDACTED] offsets, a risk analysis has been undertaken and has been presented in the respective Draft OAMPs (Appendix F; Section 6.2 and Appendix G; Section 6.2), detailing the potential risks to delivering a successful conservation outcome for each impacted matter. This analysis includes any potential risks that may compromise delivery of the management actions specified in the OAMPs. The results of the risk analysis have informed an adaptive management process that underlies the OAMPs including the identification of threats to offset values, management objectives, performance criteria, management actions, monitoring programs, adaptive management triggers and corrective actions.

Implementation of the adaptive management process aims to reduce the risk of the identified threats occurring to ensure that the overall outcome sought by this OAMP are achieved.

Risk analysis undertaken and attached (as part of the OAMPs)

5.3 MONITORING AND REPORTING

5.3.1 Types of monitoring actions

The types of monitoring actions that will be undertaken and reported on to the administering authority in accordance with the prescribed 'schedule of proposed monitoring actions' are indicated below:

- Habitat quality monitoring (mandatory for all land-based offsets)
- Baseline monitoring (e.g. species, water quality, soil etc.)
- Visual monitoring (e.g. GPS shapefiles of monitoring sites) and record keeping

- Water quality testing
- Photo monitoring
- Flora quadrants
- Flora/Fauna monitoring
- Other monitoring requested and/or approved by the administering agency

The monitoring actions that will be undertaken and reported on to the administering authority in accordance with the prescribed 'schedule of proposed monitoring actions' are detailed for both the Mamelon offset area and the [REDACTED] offset area in the attached Draft Mamelon OAMP (Appendix F; Section 8) and Draft [REDACTED] OAMP (Appendix G; Section 8).

Monitoring actions are attached (as part of the OAMPs)

5.3.2 Schedule of proposed monitoring actions

Schedules for the monitoring actions that will be undertaken are presented in the attached Draft Mamelon OAMP (Appendix F; Section 10) and Draft [REDACTED] OAMP (Appendix G; Section 10).

Schedules for monitoring actions are attached (as part of the OAMPs)

5.3.3 Reporting against the OAMPs

Following finalisation and approval of the Mamelon and [REDACTED] OAMPs, reporting against the OAMPs (including the management and monitoring undertaken and progress/results) will be prepared after the management years 1, 3, 5, then every five years for the balance of the 20-year management period (i.e. years 10, 15 and 20), aligning with the interim performance targets and completion criteria milestone dates. Further details relating to OAMP reporting and updating (if required, in accordance with the principles of adaptive management) are provided in the attached Draft Mamelon OAMP (Appendix F; Section 9) and Draft [REDACTED] OAMP (Appendix G; Section 9).

6 LEGALLY SECURING OFFSET AREAS

6.1 LEGALLY SECURITY TO BE OBTAINED

To provide for the long-term protection of the MNES and MSES values in the Mamelon and [REDACTED] offset areas, the offsets areas are proposed to be legally secured through a Voluntary Declaration under section 19E and 19F of the *Vegetation Management Act 1999* (Qld; VM Act). The areas will be declared areas of high nature conservation value, with the Voluntary Declaration registered on the property's title and binding on current and future landholders.

A Voluntary Declaration under the VM Act is an authorised legally binding mechanism and is considered an appropriate mechanism to legally secure both MNES and MSES values and protect such areas from clearing.

The OAMPs for the offset areas will support the Voluntary Declaration process which will be commenced post approval of the OAMPs by the regulators. The Voluntary Declarations will remain in place, as a minimum, for the life of the Project and until the environmental outcomes and completion criteria in the OAMPs have been achieved. The Voluntary Declarations may only be removed if the chief executive the Queensland Department of Natural Resources, Mines and Energy (DNRME) considers it is necessary.

The timing for legal security of the offset areas on Mamelon and [REDACTED] will be dependent on the approval of the OAMPs and any project approval requirements by the regulators. However, 12 months post approval of the OAMPs is nominated as the proposed delivery timeframe for this task to properly make the applications and work through the approval processes with DNRME.

All relevant legal security details have been attached

Preliminary approval from persons with an interest in the lands to legally secure the offset areas through the legally binding mechanism indicated above has been attached

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7 SIGNATORIES AND DECLARATION

7.1 SIGNATORIES

7.1.1 Landowners

Mamelon

I/We

- ▶ agree to the offset being undertaken over my/our land identified in Section 3.3 of this offset delivery plan in the manner outlined in this offset delivery plan
- ▶ request the approval of this offset delivery plan under the *Environmental Offsets Act 2014*
- ▶ consent to the collection and use of the personal information in this form for the purposes of assessing this offset delivery plan made under the *Environmental Offsets Act 2014*
- ▶ solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge and I make this solemn declaration conscientiously believing the same to be true
- ▶ understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

Lot and Plan:	9MC496, 10MC493, 11MC23		
Owner/s:	QNI Metals Pty Ltd		
Signature of Owner/s:		Date signed:	

I/We

- ▶ agree to the offset being undertaken over my/our land identified in Section 3.3 of this offset delivery plan in the manner outlined in this offset delivery plan
- ▶ request the approval of this offset delivery plan under the *Environmental Offsets Act 2014*
- ▶ consent to the collection and use of the personal information in this form for the purposes of assessing this offset delivery plan made under the *Environmental Offsets Act 2014*
- ▶ solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge and I make this solemn declaration conscientiously believing the same to be true
- ▶ understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

Lot and Plan:	[REDACTED]		
Owner/s:	[REDACTED]		
Signature of Owner/s:		Date signed:	
		Date signed:	

Additional details of landowners have been attached



7.1.2 Proponent

I/We

- ▶ request the approval of this offset delivery plan under the *Environmental Offsets Act 2014*
- ▶ consent to the collection and use of the personal information in this form for the purposes of assessing this offset delivery plan made under the *Environmental Offsets Act 2014*
- ▶ solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge and I make this solemn declaration conscientiously believing the same to be true
- ▶ understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

Full Name:	Nui Harris		
Address:	L17, 240 Queen St, Brisbane Qld 4000		
Phone:	07 3532 3841		
Email:	nharris@cqcoal.com.au		
Signature of Proponent:		Date signed:	

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7.2 APPLICANT DECLARATION

- ▶ I do solemnly and sincerely declare that the information provided is true and correct to the best of my knowledge and I make this solemn declaration conscientiously believing the same to be true.
- ▶ I understand that all information supplied on or with this application form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.
- ▶ I confirm that the offset delivery plan provides benefits in relation to the prescribed environmental matters located on the offset site that are additional to any other benefit provided under a requirement of an Act, or agreed to under other schemes or programs and are also additional to the conditions of the approval associated with the prescribed activity held by the authority holder.

Full Name:	Nui Harris		
Address:	L17, 240 Queen St, Brisbane Qld 4000		
Phone:	07 3532 3841		
Email:	nharris@cqcoal.com.au		
Signature of Applicant:		Date signed:	

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APPENDIX A IMPACT SITE PARTICULARS

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Section	Bioregion / Marine (and waterways) zone	Subregion / Marine bioregion	Local government area (LGA)	Section significant residual impact area (ha)	Section notional offset area (ha)	Matter group	Matter's significant residual impact area (ha)	Matter's notional offset area (ha)
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	1165.6	4662.4	1.1 Regional ecosystem - 11.3.4 (Eucalyptus tereticornis and/or Eucalyptus spp. woodland on alluvial plains)	40.7	162.8
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	1165.6	4662.4	1.2 Regional ecosystem - 11.4.2 (Eucalyptus spp. and/or Corymbia spp. grassy or shrubby woodland on Cainozoic clay plains)	110.8	443.2
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	1165.6	4662.4	1.3 Regional ecosystem - 11.3.25 (Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines)	78.8	315.2
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	1165.6	4662.4	1.4 Threatened animals - Petauroides volans (greater glider)	281	1124
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	1165.6	4662.4	1.5 Threatened animals - Phascolarctos cinereus (koala)	324.6	1298.4
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	1165.6	4662.4	1.6 Threatened animals - Geophaps scripta scripta (squatter pigeon (southern subspecies))	306.6	1226.4
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	1165.6	4662.4	1.7 Threatened animals - Denisonia maculata (ornamental snake)	18.8	75.2
2	Rivers and inland waterways	Inland Waterways		8.35	8.35	2.1 Fish passage	8.35	8.35

APPENDIX B OFFSET SITE PARTICULARS

DRAFT

Mamelon Offset Area

Section	Bioregion / Marine (and waterways) zone	Subregion / Marine bioregion	Local government area (LGA)	Section offset area (ha)	Matter group	Matter's offset area (ha)
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	2803.4	1.1 Regional ecosystem - 11.3.4 (Eucalyptus tereticornis and/or Eucalyptus spp. woodland on alluvial plains)	14.8
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	2803.4	1.2 Regional ecosystem - 11.4.2 (Eucalyptus spp. and/or Corymbia spp. grassy or shrubby woodland on Cainozoic clay plains)	443.2
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	2803.4	1.3 Regional ecosystem - 11.3.25 (Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines)	100.8
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	2803.4	1.4 Threatened animals - Petauroides volans (greater glider)	2428.4
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	2803.4	1.5 Threatened animals - Phascolarctos cinereus (koala)	2803.4
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	2803.4	1.6 Threatened animals - Geophaps scripta scripta (squatter pigeon (southern subspecies))	2428.4

██████ a Offset Area

Section	Bioregion / Marine (and waterways) zone	Subregion / Marine bioregion	Local government area (LGA)	Section offset area (ha)	Matter group	Matter's offset area (ha)
1	Brigalow Belt	██████	██████	227	1.1 Regional ecosystem - 11.3.4 (Eucalyptus tereticornis and/or Eucalyptus spp. woodland on alluvial plains)	148
1	Brigalow Belt	██████	██████	227	1.2 Regional ecosystem - 11.3.25 (Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines)	78.6
1	Brigalow Belt	██████	██████	227	1.3 Threatened animals - Denisonia maculata (ornamental snake)	121.1

**APPENDIX C EOD4 – ENVIRONMENTAL OFFSETS DELIVERY
FORM 4: FINANCIAL SETTLEMENT DETAILS**

DRAFT

Application form

Environmental Offsets Act 2014

EOD4: Environmental Offsets Delivery Form 4 – Financial Settlement Details

This form is an approved form under section 92 of the Environmental Offsets Act 2014.

For all environmental offset applications you must:

- Complete Environmental Offsets Delivery Form 1 – Notice of Election;
- Complete any other forms relevant to your application; and
- Provide any mandatory supporting information relevant to your application as directed.

This form is necessary for all applications to deliver an offset as a financial settlement offset.

1 Parent application details (e.g. Development Application or Environmental Authority)

Administering agency reference number	
Application category Select from drop-down list: Environmental Authority / Mining Activities	
Project name Central Queensland Coal Project	Offset stage number (if applicable) of

2 Offset calculator results

To provide a financial settlement offset you must calculate the payment amount in accordance with Appendix 4 of the Queensland Environmental Offsets Policy by using the Financial Settlement Offset Calculator. This online calculator is available at <http://apps.des.qld.gov.au/offsets-calculator/>

I have attached the following mandatory supporting information:

- Environmental offsets calculator results email
- Environmental offsets calculator results email attachment (offset-data.csv)

From: no-reply@des.qld.gov.au
To: [Wendy Simpson](#)
Subject: Environmental offsets calculator results - Financial settlement offset calculator
Date: Tuesday, 21 July 2020 2:42:15 PM
Attachments: [data.csv](#)

Environmental offsets calculator results - Financial settlement offset calculator

Payment details

Non-protected area cost

On ground cost	\$674,400.00
Landholder incentive payment	\$31,585.65
Administrative cost	\$168,600.00
Total non-protected area cost	\$874,585.65

Protected area cost

Total protected area cost	\$0.00
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Total cost

Grand total	\$874,585.65
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Total offset area: 144.15 ha

Section 1

LGA

Livingstone Shire Council

Bioregion

Brigalow Belt

Subregion

Marlborough Plains

Impact area

33.95 ha

Notional offset area

135.8 ha

Distinct matter area 1.1

Impact area: 33.95 ha

Notional offset area: 135.8 ha

Matter groups:

- 1.1.1: Regional ecosystem - 11.3.25 (Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines)

Section 2

Bioregion

Rivers and inland waterways

Subregion

Inland Waterways

Impact area

8.35 ha

Notional offset area

8.35 ha

Distinct matter area 2.1

Impact area: 8.35 ha

Notional offset area: 8.35 ha

Matter groups:

- 2.1.1: Fish passage

Sections, areas and matter groups used in calculations

Section	Bioregion / Marine (and waterways) zone	Subregion / Marine bioregion	Local government area (LGA)	Distinct matter area (DMA)	DMA impact area (ha)	DMA notional offset area (ha)	Matter group
1	Brigalow Belt	Marlborough Plains	Livingstone Shire Council	1.1	33.95	135.8	1.1.1 Regional ecosystem - 11.3.25 (Eucalyptus tereticornis or E. camaldulensis woodland fringing drainage lines)

2	Rivers and inland waterways	Inland Waterways		2.1	8.35	8.35	2.1.1 Fish passage
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**APPENDIX D EOD3 – ENVIRONMENTAL OFFSETS DELIVERY
FORM 3: OFFSET AREA DETAILS**

DRAFT

Application form

Environmental Offsets Act 2014

EOD3: Environmental Offsets Delivery Form 3 – Offset Area Details

This form is an approved form under section 92 of the Environmental Offsets Act 2014.

For all environmental offset applications you must:

- Complete Environmental Offsets Delivery Form 1 – Notice of Election;
- Complete any other forms relevant to your application; and
- Provide any mandatory supporting information relevant to your application as directed.

This form is necessary for all land-based offset applications, including advanced offset applications.

1 Parent application details (e.g. Development Application or Environmental Authority)

Note: Do not complete this section if this form is part of an application to register an advanced offset.

Administering agency reference number	
Application category Select from drop-down list: Environmental Authority / Mining Activities	
Project name Central Queensland Coal Project	Offset stage number (if applicable) of

2 Legal description and spatial data requirements

a) Is the proposed offset area within a Strategic Offset Investment Corridor?

Yes → Name of the Strategic Offset Investment Corridor: The offset area on the [REDACTED] property is mapped within an area identified as a Priority 3 – Strategic Footprint of the Galilee Basin SOIC. The offset area on the Mamelon property is not located within a SOIC.

No

EOD3: Environmental Offsets Delivery Form 3 – Offset Area Details

b) Provide a full list of all lot and plan numbers for the offset site in the table below.

No.	Lot	Plan	No.	Lot	Plan	No.	Lot	Plan
1	Lot 9	MC496	11			21		
2	Lot 10	MC493	12			22		
3	Lot 11	MC23	13			23		
4	██████	██████	14			24		
5			15			25		
6			16			26		
7			17			27		
8			18			28		
9			19			29		
10			20			30		

If you require additional lot and plan numbers, please list below:

N/A

c) For the proposed offset area as a whole and for each matter area (i.e. area that contains a single prescribed environmental matter), attach the following mandatory spatial information:

1. An electronic GIS 'shape file' (.shp), submitted in a compressed (.zip) file format that contains at a minimum the following file extensions: .shp, .shx, .dbf, .prj & .xml; **or**
2. Where (1) is not practical, attach a list of mapping coordinates (UTM or geographic coordinates) including a zone reference and datum for each point, acquired by GPS or similar system of satellites that receives and processes information. Additionally, attach a map showing:
 - i. scale and north arrow;
 - ii. boundary of the area on an image base;
 - iii. five or more points visible in the image base that correspond to identifiable fixed features;
 - iv. a description of the feature that each point represents; and
 - v. an estimate of the area in hectares.

Note: image base means an image or mosaic of images including, for example, an aerial photograph or a satellite image.

EOD3: Environmental Offsets Delivery Form 3 – Offset Area Details

3 Legal interests in the land

Are there any legal interests in the land other than the landholder?

Yes → provide details of interest in the table below

No → continue to Part 4

Type of interest	Name of interest holder	Details (where relevant)	Has the interest holder been contacted about the proposed offset?	Has the interest holder granted permission for the proposed offset?	Evidence attached
MDL468	Fairway Coal Pty Ltd	Lot 9 MC496, Lot 10 MC493, Lot 11 MC23	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>
EPC1029	Fairway Coal Pty Ltd	Lot 10 MC493	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>
████████	████████ ████████	████████ ████████	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>
████████	████████ ████████	████████ ████████	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>
████████	████████ ████████	████████ ████████	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>
Mortgage	John Park, Kelly-Anne Trenfield, Quentin Olde, Stefan Dopking (Tenants in common, ¼ each) ████████ ████████ ████████ ████████	Lot 9 MC496, Lot 10 MC493, Lot 11 MC23 ████████ ████████	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>

4 Values and total extent of all prescribed environmental matters relevant to the offset

a) If the offset relates to the prescribed environmental matter of non-juvenile koala habitat trees in South East Queensland, provide a count of the number of non-juvenile koala habitat trees present in the offset area:

N/A

b) For all other prescribed environmental matters, use the [Guide to determining terrestrial habitat quality](#) (and/or any other advices provided by the Department of Environment and Science or the relevant technical agency) to undertake an assessment of each matter area and attach the resulting data file to [Environmental Offsets Delivery Form 5 – Habitat Quality Details](#).

APPENDIX E LAND-BASED OFFSET MULTIPLIER CALCULATOR

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MAMELON

Table E-1: Results of the Land-based Offsets Multiplier Calculator for Regulated Vegetation MSES offsets acquit on Mamelon.

Impacted matter	Offset type	SELECT BIOREGION	SELECT BVG	Description	Enter Impact Habitat Quality	Enter Offset Habitat Quality	Maximum Possible Gain	Enter Predicted Gain over 20yrs	Required Multiplier
Of concern RE 11.3.4 (BVG 16c)	Remnant RE 11.3.4	Brigalow Belt	BRB_04_16c	Woodlands and open-woodlands dominated by Eucalyptus coolabah (or E. microtheca or E. largiflorens or E. chlorophylla) on floodplains.	7	7	3	2	4
Of concern RE 11.4.2 (BVG 17a)	Remnant RE 11.4.2	Brigalow Belt	BRB_05	EUCALYPT DRY WOODLANDS ON INLAND DEPOSITIONAL PLAINS	7	6	4	2	4
Watercourse RE 11.3.4 (BVG 16c)	Remnant RE 11.3.4	Brigalow Belt	BRB_04_16c	Woodlands and open-woodlands dominated by Eucalyptus coolabah (or E. microtheca or E. largiflorens or E. chlorophylla) on floodplains.	7	7	3	2	4
Watercourse RE 11.3.25 (BVG 16a)	Remnant RE 11.3.25	Brigalow Belt	BRB_04_16	Eucalyptus spp. dominated open-forest and woodlands drainage lines	8	8	2	2	4

Table E-2: Results of the Land-based Offsets Multiplier Calculator for Regulated Vegetation MSES offsets acquit on [REDACTED].

Impacted matter	Offset type	SELECT BIOREGION	SELECT BVG	Description	Enter Impact Habitat Quality	Enter Offset Habitat Quality	Maximum Possible Gain	Enter Predicted Gain over 20yrs	Required Multiplier
Of concern RE 11.3.4 (BVG 16c)	Remnant RE 11.3.3	Brigalow Belt	BRB_04_16c	Woodlands and open-woodlands dominated by Eucalyptus coolabah (or E. microtheca or E. largiflorens or E. chlorophylla) on floodplains.	7	8	2	2	4
Watercourse RE 11.3.4 (BVG 16c)	Remnant RE 11.3.3	Brigalow Belt	BRB_04_16c	Woodlands and open-woodlands dominated by Eucalyptus coolabah (or E. microtheca or E. largiflorens or E. chlorophylla) on floodplains.	7	8	2	2	4
Watercourse RE 11.3.25 (BVG 16a)	Remnant RE 11.3.25	Brigalow Belt	BRB_04_16	Eucalyptus spp. dominated open-forest and woodlands drainage lines	8	8	2	2	4

APPENDIX F DRAFT MAMELON OFFSET AREA MANAGEMENT PLAN

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**APPENDIX G DRAFT [REDACTED] OFFSET AREA MANAGEMENT
PLAN**

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