

# LOWER FITZROY RIVER INFRASTRUCTURE PROJECT

## Appendix D

### Revised Project commitments



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## Appendix D – Revised project commitments

### Table index

Table D-1	Climate, natural hazards and climate change .....	1
Table D-2	Land .....	1
Table D-3	Flora .....	2
Table D-4	Aquatic ecology.....	3
Table D-5	Terrestrial fauna.....	3
Table D-6	Water resources.....	4
Table D-7	Air quality .....	5
Table D-8	Greenhouse gas emissions .....	5
Table D-9	Noise and vibration .....	5
Table D-10	Waste.....	5
Table D-11	Transport.....	6
Table D-12	Cultural heritage.....	7
Table D-13	Social impact.....	7
Table D-14	Economics .....	7
Table D-15	Hazard and risk.....	7
Table D-16	Cumulative impacts.....	8
Table D-17	Environmental management.....	8

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In addition to the environmental management plan (EMP) and environmental management system (Volume 1, Chapter 23 and Volume 2, Chapter 13, respectively) described for the Lower Fitzroy River Infrastructure Project (Project) draft environmental impact statement (EIS) this appendix lists all commitments made by the Proponent in the draft EIS, referenced to the relevant section of the draft EIS and revised for the additional information to the draft EIS.

Given that the Project is expected to be staged, commitments will be applied relevant to the stage being developed. For example, in general, if Eden Bann Weir Stage 2 is developed, only commitments relevant to impacts associated with development of Stage 2 will be applied. Likewise if Rookwood Weir Stage 1 is developed only those commitments relevant to this stage will be applied.

**Table D-1 Climate, natural hazards and climate change**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
The potential risks climate hazards pose to the Project have been addressed through design, construction scheduling and measures within the Project EMP.	Volume 1, Chapter 23, Section 23.4.13 and 23.5.4	Appendix F

**Table D-2 Land**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
<b>Scenic amenity and lighting</b>		
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.3	Appendix F
<b>Topography, geology and soils</b>		
Commitments incorporated into design criteria and addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.1	Appendix F
Physical model studies will be undertaken to inform erosion protection works downstream.	Volume 1, Chapter 5, Section 5.3.3.3	n/a
A geomorphological assessment will be undertaken to refine predictions in relation to potential impacts such as sedimentation, erosion prone soils, bank slump etc.	Volume 1, Chapter 5, Section 5.3.3.3	n/a
<b>Land contamination</b>		
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.2	Appendix F
Where potential areas of contamination have been identified, site inspections will be conducted and appropriate management measures developed as necessary.	Volume 1, Chapter 5, Section 5.4.3.2	n/a
<b>Land use and tenure</b>		
Develop and implement a Project Land Access Strategy, Land	Volume 1, Chapter 5	Chapter 4 Land,

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Acquisition Strategy and compensation Strategy allocations	Section 5.5.3.2	Section 4.2.2 Appendix D
Land tenure will be obtained in accordance with applicable legislation at the appropriate time and by the appropriate entity, including the <i>Land Act 1994</i>	Volume 1 Chapter 3 Section 3.3.10	Appendix D
Commitments addressed as part of the social commitments (Table D-13) and within the EMP.	Volume 1, Chapter 23, Section 23.4.11 and 23.5.3	Appendix F

**Table D-3 Flora**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.3 and 23.5.1	Appendix F
<p>The Project commits to providing offsets for black ironbox (<i>Eucalyptus raveretiana</i>) in accordance with the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act) and EPBC Act Environmental Offsets Policy.</p> <p>As necessary and applicable prior to the commencement of Project activities, further ecological surveys will be undertaken to verify the number of black ironbox present and impacted as a result of the Project in accordance with approved conservation advice for this species.</p> <p>An offset management plan will developed in accordance with the EPBC Act and EPBC Act Environmental Offsets Policy.</p>	Volume 2, Chapter 14, Section 14.3.4	Appendix D
Prior to the commencement of Project activities, further flora surveys will be undertaken to verify the area of Brigalow ( <i>Acacia harpophylla</i> dominant and co-dominant) present and impacted as a result of the Project and a map of the area submitted to the Queensland Herbarium for verification.	Volume 1, Chapter 6, Section 6.3.2.1	Appendix F
Where loss of Brigalow TEC due to impoundment is unavoidable an offset will be provided in accordance with an offset management plan developed under the provisions of the EPBC Act and EPBC Act Environmental Offsets Policy.	Volume 2, Chapter 14, Section 14.3.2	Appendix F

**Table D-4 Aquatic ecology**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Fish lock arrangements at both Eden Bann Weir and Rookwood Weir will facilitate upstream and downstream movement at low and high reservoir levels, provide passage for most flows and cater for small and large bodied fish.	Volume 1, Chapter 22, Section 22.2.3.5 Volume 3, Appendix X	n/a
A Fish Monitoring Program will be designed by a person (or persons) or entity suitably qualified and experienced in fish passage biology and fishway design and in consultation with DAF (Fisheries Queensland) and implemented to monitor the effectiveness of fish passage infrastructure.	Volume 1, Chapter 7, Section 7.3.9.6 Volume 3 Appendix X Section 8.4	Appendix D
A Fishway Operations Plan will be developed in consultation with the Department of Agriculture and Fisheries (DAF).	-	Appendix D
The Project will implement a species management program (SMP) for the Fitzroy River turtle ( <i>Rheodytes leukops</i> ) and white-throated snapping turtle ( <i>Elseya albagula</i> ).	Volume 3, Appendix M	Chapter 5 Fitzroy River turtle and white-throated snapping turtle Appendix D Appendix E Appendix F
A specifically designed turtle passage facility (turtle ramp) will be constructed at Eden Bann Weir and Rookwood Weir.	Volume 1, Chapter 7, Section 7.3.9.6	Appendix E
The Project will provide offsets for residual impacts to the Fitzroy River turtle and white-throated snapping turtle in accordance with the EO Act, Environmental Offsets Regulation and the Queensland Environmental Offsets Policy and the EPBC Act and EPBC Act Environmental Offsets Policy.	Volume 1, Chapter 22, Section 22.3	Chapter 5 Fitzroy River turtle and white-throated snapping turtle Appendix G
Implement mitigation and management measures in relation to aquatic ecology impacts as described within the EMP.	Volume 1, Chapter 23, Section 23.4.3 and 23.5.1	Appendix F

**Table D-5 Terrestrial fauna**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Commitments to mitigating and managing terrestrial fauna impacts are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.3 and 23.5.1	Appendix F

**Table D-6 Water resources**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
<b>Surface Water</b>		
<p>A detailed geomorphic site assessment will be undertaken including:</p> <ul style="list-style-type: none"> <li>) A geomorphic condition assessment at selected sites upstream of the future impoundment area, within the future impoundment area and downstream of the weir</li> <li>) Stability assessments to describe pre-development characteristics of the river bed and banks, channel stability, the potential for failure and erodibility, amongst others</li> <li>) The identification of key indicators for long-term monitoring of geomorphic and fluvial characteristics within the project development area as part of an adaptive management programme.</li> </ul>	Volume 1, Chapter 9, Section 9.3.2.7	Appendix D
<p>In the event that scouring, erosion and slumping do occur rehabilitation and restoration of impacted areas will be undertaken in accordance with protocols and guidelines as defined in the EMP.</p>	Volume 1, Chapter 9, Section 9.3.2.7	Appendix F
<p>Further modelling will be undertaken once development of a specific infrastructure scenario is triggered to assess project yields against the performance of supplies delivered by the existing Eden Bann Weir Stage 1 and the Fitzroy Barrage.</p> <p>The project is committed to maintaining existing supply reliability for current water allocation licensees and ensuring that the additional yield for the project is wholly attributable to the new infrastructure"</p>	Volume 1 Chapter 9 Section 9.3.2.4	Appendix D
<p>Augment and/or develop a new Resource Operations Plan for the Fitzroy Basin to include a raised Eden Bann Weir and/or Rookwood Weir, including negotiation and compensation for changes to existing water entitlements. A ROP amendment will be required due to changes to existing operational rules for Eden Bann Weir Stage 1 and the Fitzroy Barrage. A ROP amendment will be sought, requiring compliance with WRP objectives, and recognising the capability of the existing water supply infrastructure in any conjunctive operational arrangements.</p>	Volume 1, Chapter 9, Section 9.3.2.4	Appendix F
<p>Further commitments to mitigating and managing surface water impacts are addressed within the EMP.</p>	Volume 1, Chapter 23, Section 23.4.4 and 23.5.2	Appendix F
<b>Groundwater</b>		
<p>No specific commitments relating to groundwater as the Project is not expected to have a significant impact on groundwater in the area.</p>	Volume 1, Chapter 10, Section 10.3	n/a

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
<b>Water quality</b>		
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.4 and 23.5.2	Appendix F

**Table D-7 Air quality**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.5	Appendix F

**Table D-8 Greenhouse gas emissions**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.6	Appendix F

**Table D-9 Noise and vibration**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.7	Appendix F

**Table D-10 Waste**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.8	Appendix F

**Table D-11 Transport**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Discussions will be held with Aurizon and the Department of Transport and Main Roads (DTMR) to inform the development of appropriate traffic management plans (as applicable) for use of Gogango rail crossing, including provision of dilapidation surveys and repair, maintenance and reinstatement requirements	Volume 1, Chapter 16, Section 16.3.2	Appendix D Appendix F
During detailed design refinement of Project activities will be facilitated through updating traffic counts, undertaking pavement impact assessments and road safety audits	-	Appendix D Appendix F
A road use management plan will be developed in consultation with DTMR, RRC and LSC governing upgrades, use, maintenance and restoration (as applicable) of these roads, along with identification of transport targets, updated traffic generation and road-use data and road-use management strategies	-	Appendix D Appendix F
Traffic management plans will be developed in consultation with DTMR, the Queensland Police Service and bus operators.	Volume 1, Chapter 16, Section 16.3.6	Appendix D Appendix F
New bridges will be constructed at Glenroy Crossing, Riverslea Crossing and Foleyvale Crossing (relative to infrastructure build and impoundment impacts).	Volume 1, Chapter 16, Section 16.3.3	Appendix D
A bank of culverts and a causeway will be installed at Hanrahan Crossing to facilitate access during water releases from Rookwood Weir.	Volume 1, Chapter 16, Section 16.3.3	Appendix D
Augmentation of Thirsty Creek Road will be undertaken to facilitate construction access and maintain operational access to Rookwood Weir.	Volume 1, Chapter 16, Section 16.3.4	Appendix D
The Capricorn Highway intersection at Gogango will be upgraded to provide safer access and egress conditions. The final location and design of the intersection upgrade will be undertaken in consultation with DTMR and RRC	-	Appendix D
Dilapidation surveys will be undertaken at the Atkinson Road/Bruce Highway and Third Street/Capricorn Highway intersections prior to construction and provided to DTMR and Rockhampton Regional Council to facilitate that the intersection is restored to its original condition post-construction.	Volume 1, Chapter 16, Section 16.3.4	Appendix D
Further commitments to mitigating and managing transport impacts are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.9	Appendix F

**Table D-12 Cultural heritage**

Commitment	Relevant section of draft EIS
The Project will comply with the Cultural Heritage Management Plans developed with the relevant Aboriginal parties and approved by the State Government.	Volume 1, Chapter 17, Section 17.2.3
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.10

**Table D-13 Social impact**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
Issues relating to the loss of land and/or loss of access to land along with impacts on productivity will be negotiated and agreed on a one-on-one basis with directly impacted landholders.	Volume 1, Chapter 18, Section 18.3.3.2	Appendix D
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.11 and 23.5.3	Appendix F

**Table D-14 Economics**

Commitment	Relevant section of draft EIS
Commitments addressed as part of the social commitments (Table D-13)	Volume 1, Chapter 19

**Table D-15 Hazard and risk**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
The Project commits to an ongoing hazard and risk assessment process throughout the lifecycle of the Project that will focus on minimisation of risks to people, property and the environment as well as workers on the site.	Volume 1, Chapter 20, Section 20.1.2.1	Appendix F
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.9, 23.4.12, 23.4.13 and 23.5.4.	Appendix F

**Table D-16 Cumulative impacts**

Commitment	Relevant section of draft EIS
In order to minimise its contribution to cumulative impacts, the Project has sought to avoid, mitigate, manage and where necessary offset impacts associated with Project activities. No other specific commitments are proposed.	Volume 1, Chapter 21, Section 21.5

**Table D-17 Environmental management**

Commitment	Relevant section of draft EIS	Relevant section of additional information to the draft EIS
The Project commits to further refinement of the EMP, including the Construction EMP.	Volume 1, Chapter 23	Appendix F
The Project commits to development of the Operational EMP in accordance with the Water Resource (Fitzroy Basin) Plan 2011, the Fitzroy ROP and resource operations licence.	Volume 1, Chapter 23	Appendix F