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Team Leader – Compliance
Department of Planning and Environment
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BHB-AGL-HS-GEN-0113

12th July 2023

Dear Katrina.

SSD – 11437498: Extended working hours bimonthly report (April 2023)

AGL Energy Limited (**AGL**) received development consent under section 4.38 of the NSW *Environmental Planning and Assessment Act 1979* to construct the Broken Hill Battery Energy Storage System (**Project**) at Broken Hill, NSW on 8th September 2021. Following a request for modification of that development consent, revised conditions were granted by the Department on 15th July 2022 for SSD 11437498-Mod-1.

On 28th February 2023, the Department provided approval to undertake works as requested at the following times:

- Monday to Friday 7am to 6pm
- Saturday 7am to 6pm
- Sundays and NSW Public Holidays 8am to 1pm

As a condition of this approval, AGL provides the a bimonthly report as requested, which includes details of works undertaken and complaints received. This is attached for your reference. AGL notes that this report was due to be submitted on 30th June 2023 and apologises for the delay in this submission. This was an administrative error and a process has been implemented to ensure this does not occur in the future.

AGL intends to submit the next report by Friday 1st September 2023.

AGL takes its regulatory compliance responsibility seriously and is committed to good environmental practice. If you require any further information, please do not hesitate to contact Vicki Brady, Manager, Environment – Energy Hubs on VBrady@agl.com.au or 0499 304 473.

Yours sincerely,

Hamid Shilani

Project Director - Broken Hill Battery Project

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BROKEN HILL BATTERY ENERGY STORAGE SYSTEM

OUT OF HOURS CONSTRUCTION WORK DPE BI-MONTHLY PROGRESS REPORT

Valmec Document No.: 4017-RPT-HS-001 Rev: 1

	Name	Title	Signature	Date
Originator:	K. Brown	HSE Manager		28/06/2023
Document Owner:	R. Green	Operations Manager East Coast	D	10/07/2023





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1 INTRODUCTION

1.1 PURPOSE

To provide an *Out of Hours Work* (OOHW) Report to the Department of Planning and Environment (DPE) NSW every two months as specified in the approval letter which was received on the 28th of February 2023 by the DPE Director of Compliance.

The report is to detail the progress of the project and address any complaints received.

Note: This is the second bi-monthly report for the reporting period 28th April to 28th June 2023.

1.2 SCOPE

For construction work to be conducted from 7am to 6pm on Saturdays and 8am to 1pm on Sundays and NSW public holidays for work outside normal construction hours which is 6am to 5pm from Mondays to Fridays.

The increase is for the duration of the project.

1.3 ROLES AND RESPONSIBILITIES

1.3.1 Project Manager and Site Manager

- Overall responsibility for the implementation, monitoring and management of the extended work hours strategy inclusive of noise, vehicle movements and fatigue management.
- Compliance with all *working hours* within the boundaries of the development approval and consent for the project.
- Compliance with all *conditions* applied for working hours and associated activities within the development approval and consent for the project.

1.3.2 Site Supervisors

- Management of approved working hours within the prescribed time-frames.
- Management of all activities and noise controls within the prescribed time-frames.
- Management of vehicle movements and noise within the extended work hours.
- Evaluation and control of fatigue related risk factors with all workers on the project.
- Monitoring of compliance with noise and vehicle movements and evaluation of control measures.

1.3.3 Workers

- Compliance with the Extended Work Hours noise generation controls and vehicle movements.
- Management of change with noise and vehicle movement factors with associated controls.
- Identifying and reporting any potential or actual breach with noise generating activities and associated agreed controls.
- Monitoring self and others with noise generating activities.

1.3.4 HSE Manager

- Assist with the implementation of the Extended Work Hours Strategy.
- Evaluate, monitor and report effectiveness with Extended Work Hours Strategy.
- Assist with the management of any complaints, resolution, reporting and corrective actions from noise producing activities.

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1.4 DEFINITIONS

Term	Meaning
BESS	Battery Energy Storage System.
dBA	Noise measurement in decibels.
dBC	Measure of the strength of an instantaneous signal at radio frequency . The dBc increment is based on the decibel, a logarithmic measure of relative signal strength.
DC	Development Consent. Approval and a license to operate for the project within the boundaries of the conditions within the DC.
EIS	Environmental Impact Statement
JHEA	Job Hazard Environmental Analysis
NMLs	Noise Management Levels within Construction.
оонw	Out of Hours Work
PCBU	Person Conducting Business or Undertaking for or on behalf of an organisation. A person in control of the work environment.
Time Weighting Fast	125 metres per second in dBA and dBC
Time Weighting Slow	1 time per second in dBA and dBC
WBS	Work Breakdown Structure of Plant and Machinery Noise Levels.

1.5 REFERENCES

- BESS Development Consent SSD-11437498 (as modified) Schedule 3 condition 13 Construction,
 Upgrading and Decommissioning Hours
- SSD 11437498: Request to Amend Construction Working Hours
- Broken Hill Battery Letter Extension of Working Hours BHB-AGL-CX-0040
- 4017-PLA-HSE-021 BESS Extended Work Hours Strategy and Noise Report
- BESS OOHW Approval Letter DPE 28/02/2023
- 4017-PLA-HS-008 BESS Fatigue Management Framework Extended Work Hours
- Appendix A Plant and Equipment Machinery Work Breakdown Structure Noise Controls
- Appendix B Reporting Period Construction Progress and Weekly Lookaheads
- Appendix C Altrad Integrated Reporting (AIR) System
- Appendix D Complaints Register
- Appendix E BESS Fatigue Management Framework Extended Work Hours
- Appendix F HSE Management and Operational Control Board Daily Review and Sign On Weekly RESET





2 PROGRESS REPORT – EXTENDED WORK HOURS

The following project report outlines current progress within the project and OOHW for the period between the 28th April to the 2nd of July.

The project consortium are managing noise related risks associated with the approved project controls for OOHW in context with planning considerations within the project life cycle and associated operational controls as specified within the approved submission by the consortium being the 4017-PLA-HSE-021 BESS Extended Work Hours Strategy and Noise Report.

2.1 COMPLIANCE CONDITIONS WITH EXTENDED WORKING HOURS

The following conditions have been met during this reporting period with implementing and communicating the OOHW conditions and associated controls being:

- Machinery used during OOHW will only involve a pad roller, grader, 20-tonne and 6-tonne excavators, skid steer loader, truck and dog trailer and water cart;
- No pile driving, jack hammering, use of air compressors and delivery of materials that may disrupt local roads will occur during the OOHW; and
- A complaints register has been developed and implemented (Refer to Appendix C).

2.2 PLANT AND EQUIPMENT USED FOR EXTENDED CONSTRUCTION WORK HOURS AND NOISE ASSESSMENT

A detailed listing of equipment used within this reporting period for extended work hours and associated construction noise assessments from an initial baseline survey is detailed in *Appendix A – Plant and Equipment Work Breakdown Structure – Noise Controls,* and includes the following plant and equipment:

- 6 Tonne Excavator;
- 25 Tonne 320 Cat Excavator;
- Skid Steer Loader;
- Pad Roller;
- · Truck and Dog Trailer; and
- Water Cart.

2.3 OPERATIONAL CONTROLS

The following operational controls have been established within the Extended Work Hours Strategy and Framework for implementation, monitoring, evaluating and controlling, which includes:

- Duties of a PCBU and persons in management and control of a workplace to understand and apply such duties as required by section 20 of the NSW WHS Act, inclusive of extended hours obligations and associated conditions.
- Noise generating activities and controls defined daily and weekly with operational controls documented on the Job Hazard Environmental Analysis (JHEA) with noise activities and monitored for compliance.
- Wind factors evaluated and monitored daily to establish wind direction, noise carry and associated controls.
- Noise assessments conducted for peak periods or noisy equipment to confirm boundary noise compliance.
- Controls with noisy activities complied with for Saturdays, Sundays and Public Holidays. Refer to Section 2.1 Compliance Conditions with Extended Working Hours of this report.

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2.4 PROGRESS OF THE PROJECT

The reporting period includes Construction Weekly Lookaheads and overall progress with construction works and OOHW activities. Refer to *Appendix B – Reporting Period Construction Progress and Weekly Lookaheads*.

3 COMPLAINT PROCESS FOR EXTENDED WORKING HOURS

A complaint process has been established as detailed in the:

- 4017-PLA-GE-002 Stakeholder Management Plan; and
- 4017-PLA-GE-003 Regulatory Compliance Plan.

To confirm no complaints have been submitted within this reporting period for OOHW.

All complaints are formerly submitted within the Altrad Information Reporting (AIR) System and events recorded in the Project Complaints Register. Refer to:

• Appendix C – Complaints Register

4 CONCLUSION

The controls established for OOHW with construction activities have been communicated with the project workforce and integrated within the 4017-PLA-HS-008 BESS Fatigue Management Framework Extended Work Hours.

Controls for OOHW activities are monitored and evaluated daily and weekly with operational controls which are documented and detailed within the workgroups *Job Hazard Environmental Analysis (JHEA)* which are formerly reviewed and RESET each Monday by each workgroup.

All JHEAs are aligned to Safe Work Method Statements, Permit to Works and are handwritten, verified, and approved by the Principal Contractor Valmec Australia Site Manager and Site HSE Manager to manage risk, opportunity, and change.

Such documentation is also verified daily by the onsite AGL client representative.

Valmec Australia submits this second report for OOHW and encourages any feedback from the Department of Planning and Environment to ensure the project is meeting all obligations as specified.

Kind Regards

Kester Brown

Health, Safety and Environmental Manager Community Stakeholder and Relationship Manager BESS Project – 74-80 Pinnacles Place Broken Hill Valmec Australia Pty Ltd M: 0419 418 507



Valmec acknowledges the Traditional Custodians of the lands and waters on which we operate. We continue to pay our respects to Elders past, present, and emerging. We respect their spiritual connection to Country and acknowledge their ongoing and important role in their community.

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AGL – Broken Hill BESS Project agl Extended Work Strategy and Noise Report



APPENDIX A - PLANT AND EQUIPMENT WORK BREAKDOWN STRUCTURE - NOISE CONTROLS

Activity	Equipment	Location	dBA Time Weighting Measurement Fast	dBA Time Weighting Measurement Slow	Comments
Boundary Noise Measurements with all plant and	6 Tonne Excavator25 Tonne 320 Cat	North Boundary - Central Reading	51.1 dBA	50.3 dBA	Equipment and activities were focused on Area 1 of BESS at the time of the survey which is the North Eastern Half of Stage 1.
equipment operating within Construction	ExcavatorSkid Steer Loader	North West Corner Boundary Reading	48.2 dBA	50.4 dBA	The Pad Foot Roller and Water Cart were
Footprint.	Pad Foot Roller	North East Corner Boundary Reading	64.9 dBA	72.4 dBA	operating centrally to the project.
	 Truck and Dog Trailer 	East Boundary - Central Reading	68.9 dBA	60.0 dBA	
	Water Cart	South East Corner Boundary Reading	51.4 dBA	51.7 dBA	
		South Boundary - Central Reading	49.9 dBA	53.2 dBA	
		South West Corner Boundary Reading	47 dBA	50.5 dBA	
		West Boundary – Central Reading	47.9 dBA	50.5 dBA	
Boundary Noise Measurement from Outside of Construction Footprint.	All equipment in operation.	Outside of eastern Boundary 15 metres from Construction Fence line on North Eastern Side and eastern Side.	59.6 dBA 57.4 dBA	66.3 dBA 61.7 dBA	First Reading Taken on North Eastern side of boundary. Second Reading Taken Eastern Side of Boundary Centrally, with 6 Tonne Excavator reversing.





Activity	Equipment	Location	dBA Time Weighting Measurement Fast	dBA Time Weighting Measurement Slow	Comments
Earth Grid Trenching	6 Tonne Excavator	South East of Area 1.	69.1 dBA 78 dBA (Reversing)	73.9 dBA 80 dBA (Reversing)	Reading taken 8 metres from Excavator Operating. Second reading with Excavator reversing with Squawker on.
Excavations for Control Room	25 Tonne 320 Cat Excavator	North East Corner of Area 1.	65.4 dBA	74.1 dBA	Reading taken 12 metres from Excavator Operating on N/E Corner Boundary.
Installing Bedding Sand in Trenches	Skid Steer Loader	South East of Area 1.	67.7 dBA 74.5 dBA	70.0 dBA 77.8 dBA	First reading taken 6 metres from operations. Second reading taken 2 metres from operations.
Pad Foot Rolling Operations with Vibration on	Pad Foot Roller	Operating North to South in Stage 1 Area 2.	76.9 dBA 76.0 dBA	82.3 dBA 79.0 dBA	First reading taken 2 metres from operations. Second reading taken with Vibration on 4 metres from operations.
Bedding Sand Delivery	Truck and Dog Trailer	Operating North to South Stage 1 in Area 2.	63.8 dBA	67.4 dBA	Reading taken 4 metres from operations.
Water Cart Operations	Water Cart	Operating North to South Stage 1 in Area 2. Hand watering in area 1, due to limited access.	51.6 dBA	53.8 dBA	Reading taken 4 metres from operations.





APPENDIX B – REPORTING PERIOD CONSTRUCTION PROGRESS AND WEEKLY LOOKAHEADS

The following construction schedules outline activities with project progress aligned with OOWH conditions and include the following periods:

- April 24th 7th May
- May 8th 28th May
- May 29th 2nd July





APPENDIX B1 – CONSTRUCTION PROGRESS – APRIL 24TH – 7TH MAY

BES	SS - Construction Activit	ty Scl	nedule - April 24th - 7th May 2023			nt wk and end	lool	kahe	ad 2	we	ek 29	•	1	kah reek	ead :	3
ZONE	Major Event	WP#	Task	Detail	start %	end %	m 24				f s		П	П	\Box	
1 Area One	Excavation of trenches for Be	dding 5	Sand													
2			Complete Drilling for Light mast T2 and T5		0	0										
7	Earthing Cables	E	Excavate and install area 1A backbone as priority (after all conduits placed)	Ongoing	80	0										
8		E	Terminate earth leads to control buildings		7	0										
9	Equipment Installation				0					\Box						
10	Transformers x6		Transformer bolt into position, conduits encasement outstandi	Design review reqd	0	0								П		Ī
11	RMU x 1		Placement		0	0								\Box		
22			Remove construction power supplies from Control building		0	0					\top	1		П		
23 Area TWO	Excavation / bedding trenche	S	o de la companya de l													
35			Markout and drill holddown bolts		30	0				\Box				П		
38	Transformers x 6		Transformer placement, conduits encasement outstanding	Design review read	0	0	T10	T11				1	TIT	11		П
39	Invertor		Placement after cable pull between battery and Invertor		0	0								П		
			Install buzz bars and buzz ducts													
41	RMU 2 and 3		Placement	after cable pull?	0	0								П		
45	Cable Pulling		Transformer to transformer and terminate same	·	0	0										
47	-		From Pads through culverts		0	0										
48	Other for both areas and S	tages		Start fence erect	0	0								П		ı
50			Bollards /Lighting&CCTV Towers / site demob		0	0								П		T
51			Upgrade temp swale to south boundary and maintain same		0	100						т				ī
52			Battery cube delivery , 8 units per load for area 1	awaiting FSNSWR	0	0						т	\vdash	П		
53 STAGE 2	Transmission Corridor					4								П		
54	<u>Z</u>	one 1	Engage RAP representatives onto site	on standdown	50											
56			HOLD Review all Approvals and Conditions Install sediment control fence and cutoff drains	Hold on all works						\blacksquare				Н		
56 57			Survey first trench location and markout	high priority	08	0	-	-		\vdash	-			H		-
58	+		Complete any underground and overhead service locations and	d markups	90	0	\vdash			\vdash		-				
			Complete Haul road and stockpile areas.		5						\top	1				
59			Excavate road and creek crossings and place bedding material		0	0										
64			Clear fence line and erect fencing include Insulation Panels	ON Hold 13/3	0	0										





APPENDIX B2 – CONSTRUCTION PROGRESS – MAY 8TH – 28TH MAY

BES	SS - Construction A	ctivity	Schedule - May 8th - 28th May 2023		-	wk start dend	1		ahe eek	ad 2 31		ı			k 32	3	loc	kahe	33	4 wee	k
ZONE					start	end												t v	w t	f	s
ZONE	Major Event	WP#	Task	Detail	96	%	8	9 1	0 11	12	13 1	14 1	15 16	17	18 1	9 20	22	23 2	24 25	5 26	2
Area One	Excavation						Ш	1	\perp	\perp		1					\perp				
	Installation of Conduits	comlek	East fence line for subbase compaction Continue zone 1A conduit installs across to swithch yard	Proof Roll	50	0	ш	-	-	\vdash	+	+	-	\vdash		-		+	+	+	_
	Backfill Conduits	gte	Complete Area 1A across to switchyard to 80% {SY piers	RMU final outstanding	75	0		+	٠			+	-	Н		-		+	+	+	-
5	SwitchYard	C	Ground Prep for Stage 2 conduit install	then excavate 4 condu		0	H					Ť						\pm	+	+	-
;		cfe/vertex	Erect Steel Work		0	0	П	\top	\top	\Box									\top	\top	_
7	Lighting Tower		Pour foundation piles	Requires signoff	0	0	П			Ħ	\top	1							\top	\top	_
3	Earthing Cables	E	Excavate and install area 1A backbone as priority (after all conduits placed)	And the second second second second	80	0				\vdash	\top	1						\top	+	\top	-
9		E	Terminate earth leads to control buildings		7	0													\pm		_
0	Permanent Fence Erection	2	Site mobilisation and commence with East fence		0	0															Π
L EQIP INSTALL	Transformers x6	Mech	Transformer bolt into position, conduits encasement outstand	Design review read	0	0	TST	T4	TS	T2		T	1	au	к				\top		Τ
2	RMU x 1	cfe	Placement		0	0	П			П	\top							\top	\top	\top	_
3	Cable Pull	Vertex	RMU across to 22KV switch		0	0	H	$^{+}$	$^{+}$									\pm	\pm	+	-
4	Busduct	Cfe	Install support frames	Trial first	0	0						P	E	R	M A	N	N	T S			Ξ
5	Cable Terminations	vertex	Control room glanding and terminations		45	0															
6		vertex	AC cable terminations/ Transformers/ RMUS		0	0			\perp									\perp	\perp	\perp	_
7	Commissioning	cfe	Install buzz bars and sun shields Inverters to Transformers	Stage 1 prolim	0	0	Н	+	+		4	4	-			-		+	+	+	_
0)	Commissioning	Fluence	Earthgrid performance tests prior to ECC connection	Stage 1 prelim	0	0	Н	+	+	+	+	+	-					-	+	+	-
9		vertex	Fibre connection, install pits, splicing, testing 15 May	TNT King	0	0	₩	+	+	+	+	+	+	Н	-	+	-	+	+	+	H
2 Area TWO	Excavation	vertex	22Kv Cable termination		0	0	Н	+	+	\vdash	_	-						_	+	\perp	L
	Excavation			and a south of south	75		Н	+	+				-					-	+	+	-
3			complete excavation / conduits to culverts to 22KV Switch	code 2 critical path	75	0	Н	+	+		-	+	+	Н			\mathbf{H}	+	+	+	_
4		TO 0	Markout and excavate 845 and b46 edge beam conduits		50	0	Н	+	+		_	-	+	Н	-	+	\square	+	+	+	_
5	Installation of Conduits	E&C	Flexibles into culverts.	GTE	85	0		-	+	\blacksquare	-	+	+			+		+	+	+	_
6	Earthing Cables	E&C	Excavate and install area 2B , 2C ,2A between battery pads.		30	0	Н	4	_	\vdash	-	4	-				-	+	+	+	_
8			First pour followed by wall and plinth sequence		0	0	Н	_	11	\vdash	4	4	_					+	+	\vdash	_
9	Battery precast foundation	on	Install precasts		0	0	L	## #	#	ш			\perp					\perp	\perp	\perp	_
0			Markout and drill holddown bolts		30	0	Ш														
1	RMU 3		Blinding ,formwork and concrete in situ		0	0	П														
2	Culverts		Place blinding/ install / core drill /tape joints /haunch		0	0	П		Т	П	Т	Т	Т				П	\top	\top	\Box	Π
3	Permanent Fence Erection	7	West Boundary fence erection before final swale formation.	On HOLD 24/4	0	0	П		Т	П									\top	\Box	_
4 EQIP INSTALL	Transformers x 6		Transformer survey and height adjustment	Repair Review regd	0	0	П		\top	\Box									\top		
5	Invertor		Placement major cable pull between battery and Invertor of	ALC: THE RESERVE OF T	0	0	H	т	1 T	h		1		П			\Box	\top	\top		_
6			Install buzz bars and buzz ducts		0	0	$^{+}$	1					+					-	+	+	_
7	RMU 2 and 3		Placement	after cable pull ?	0	0	H	+	+				+				1	+	+	+	_
8	CRT	-	Install onto pad 835 thru to and including 846	arter cable pair :	0	0	+	+	+	+	+	-	2 ##					+	+	+	-
	- Contract of the Contract of	-	Control and data to control room		0	0	+	+	+	\mathbf{H}	+	-	2 ##				-	+	+	+	-
9	Cable Pulling				_	-	₩	+	-	\blacksquare	-	+	-	Н		-	-	+	+	+	_
0	04 6 1 4	1.0	Invertor to battery pad control loops	After 45/46 landed	0	0	Н	+	+	\vdash	-						-	+	+	+	_
2	Other for both areas a	and Stage		On HOLD 24/4	0	0	Н	+	+	\vdash	_	V	V.				-	\rightarrow	+	+	_
3			Reset temp swale to west fence line	RAPS reqd	0	0	Н	4			4		+					_	_	\perp	
4			Bollards /Lighting&CCTV Towers / site demob		0	0	Ц	1	1	\sqcup	1		1								
6			Replace dessicant Bags in Invertors	review spreadsheet	_	0			1	Ш								\perp	_	\perp	_
7			Upgrade temp swale to south boundary and maintain same		0	100	Ш		\perp	Ш								\perp			
8			Battery cube delivery , 8 units per load for area 1	awaiting FSNSWR	0	0															





В	SS - Construction A	ctivity S	Schedule - May 8th - 28th May 2023			wk start l end		ooka wee				k		head ek 32		lo	okahe	ad 4 33	wee	≥k
					start	end	m	t w	t	fs	5	m	t w	t	fs	s m	t v	w t	f	5
ZONE	Major Event	WP#	Task	Detail	96	96	8	9 10	11	12 13	14	15	16 17	18	19 20	22	23 2	4 25	26	27
STAGE 2	Transmission Corridor			confirm drg IFC	0	100														
			Confirm bedding sand supply type	0.75 TR in conduits	45															
			Complete Cure Plan		25															
			Complete Project area remediation and revegetation plan	Draft dependant on res																
			Review and update Site Controls and Environmental ITP		25															
			Reset sediment controls on south fence line of old Project Area			2	ш					\sqcup	_							
		-	Review all Approvals and Conditions/work methodology	ITP to be signed off															\sqcup	
		Zone 1	Re - Engage RAP representatives onto site	On standdown	50	0			ш				_							
			Environmental Manager to lead Kickstart meeting	FOI 1 40			\vdash		ш	_	_	\vdash	_		_				\vdash	_
		_	Erect star pickets and bunting to construction battery limits Install sediment control fence - south side	.59ha/approx 16 m max high priority	20	0	-	_		_	-	-	_		-	-	-	+	\vdash	_
	H	-	Survey first trench location and markout	night priority	65	0	₩	-		-		\vdash	_		+	-	-	+	\vdash	_
	H	+	Grade 4 meter access track and windrow		0	0	\vdash	+	\vdash	+	+	+	-		+		-	+	\vdash	
			Grade 4 meter access track and windrow			-	\vdash	+	H	-	+	\vdash	-	+	+	Н	-	+	\vdash	
					0	0			H										\vdash	
				wind row for later cover	5	0														
			Clear vegetation and Excavate from 22kv switchyard to dirt tra	Spoil off site	0	0	П		П											
			Final survey and place bedding sand/ conduits		0	0														
		Zone 2&3	Document and lodge application for excavation permits		50	0														
			Complete pot holing and earthgrid identification		50	0	Ш		Ш		_							_	\sqcup	
			Complete all underground and overhead service locations and		0	0	ш	\perp	Ш		\perp			\perp				_	\sqcup	
			Formup Haul road beside trench corridor at 5 meter wide using		_	0	Н		\Box	_	-		_					_		
			Bulk excavation at pull pits	wind row for later cover	0	0	Ш	\perp	Ш		_								\Box	
			Excavate open trench and install bedding sand/conduits		0	0														
		All Zones	Pull in Data & Earth & 22kv cables [thru conduits]		0	0			П											
			Install Data termination pits		0	0	Ш		Ш							0		310		
			final Backfill to trench		0	0	Ш	L	Ц					Ш						
			Excavate open trench number 2 and install conduits and backf	ill	0	0	Ш		Ш											
			Pull in D/E/&P cables [thru conduits]		0	0														
			Backfill to trench no 2		0	0														
			Redistribute seeded top soil include segegated creek crossings	material.	0	0														





APPENDIX B3 – CONSTRUCTION PROGRESS – MAY 29^{TH} – JULY 2^{ND}

					start and lookahead 4 end week 34		The second secon			lookahead 1			head 1			head 2	2	loc	kahea	id 3 w	/eek	lo	okahe	ad 4		
	BESS - Construction	on Activ	ity Schedule - May 29th - July 2nd 2023		end			weel	k 34			week	35			wee	k 36			3	37			week	38	
E					start	end	m	t w	t f	s	s m t	w	t f	5 5	m	t w	t f	s	s m	t w	t f	S	s m	t w	t f	s
ZONE	Major Event	WP#	Task	Detail	96	96	29 3	0 31	1 2	2 3	4 5 6	7	8 9	10 11	12 1	3 14	15 16	17	18 19	20 21	22 2	3 24 2	5 26 2	7 28 7	29 30	1
1 Area One	Excavation		AND AN																							
2		Gte	22kv trammission line Incomers trench for 200 dia conduit		0	0																				
3	Installation of Conduits		Continue zone 1A conduit installs across to swithch yard		50	0																\perp				
4	Backfill Conduits	Gte	Complete all Area 1A switchyard backfilling	RMU final outstanding	75	0						\perp		_		_			\perp			1		\bot	4	4
5		The second second second	Erect Steel Work	Daniel and the off	0	0				\mathbf{H}		+		-		_			+			\perp		+	+	4
/	Lighting Tower	Jamtek	Pour foundation piles	Requires signoff	0	0				-	-	\vdash		_	-	-	-	\blacksquare	\perp				-	++	+	4
8	Earthing Cables	E	Excavate and install area 1A backbone as priority (after all conduits placed)	Ongoing into Switchyard	80	0				1		\perp							\perp					+	4	4
9		E	Terminate earth leads to control buildings		7	0		-		11	-	\vdash		_			\vdash							\perp	\perp	
10	Permanent Fence Erection	on	Site mobilisation and commence with East fence		0	0																				
11 EQIP INSTALL	Transformers x 6	Mech	Transformer bolt into position. conduits encasement outstanding	Design review reqd	0	0																	- 3			
12	RMU x 1	CFE	Placement		0	0																				
13	Cable Pull	Vertex	RMU across to 22KV switch		0	0																				
14	Busduct	CFE	Install support frames and complete all connections	Trial first	0	0													P	ER	MA	N	NT	S		
15	Battery		Final Inspections and signoff		0	0	3	2	40	Ш		П														
16			Install Buzz connections		0	0																				
17	Cable Terminations		Battery to battery connections -Plug and Play		45	0												П								
18		Vertex	HV cable terminations/ Transformers/ RMUS		0	0																				
20	Commissioning	Fluence	Earthgrid performance tests prior to ECC connection	Stage 1 prelim	0	0																				
21		Vertex	Fibre connection, install pits, splicing, testing 15 June	TNT King	0	0																				
22		Vertex	22Kv Cable		0	0																				
23		Vertex	Remove construction power supplies from Control building		0	0																				

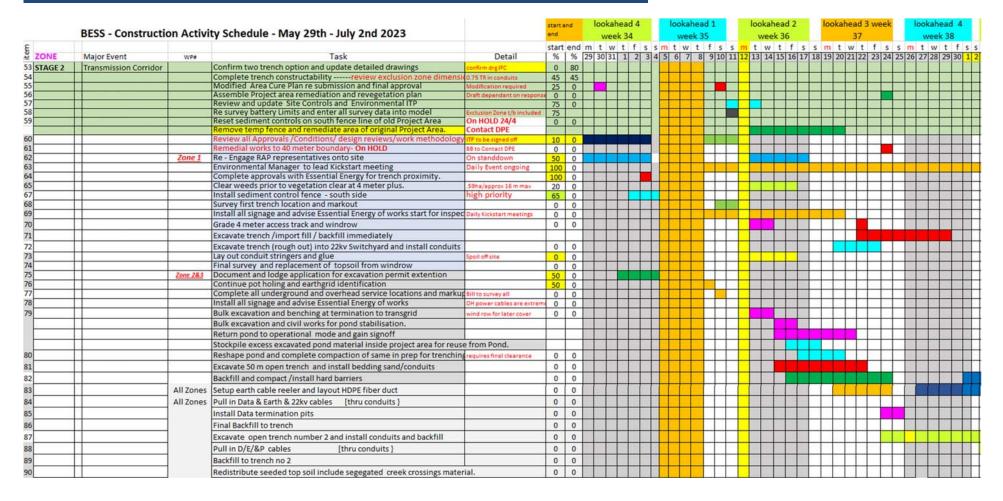




					And the same of th			looka	head	1	le	ooka	head ?	2	look	ahead	3 wee	k	look	ahead	4				
	BESS - Construction	n Activ	rity Schedule - May 29th - July 2nd 2023		end		1	wee	k 34			we	ek 35			wee	ek 36			37			w	eek 38	3
ZONE																				t w t					
	Major Event	WP#	Task	Detail	%	96	29 30	0 31	1 2	2 3	4 5	6 7	8	9 10 1	1 12 1	13 14	15 16	17 1	8 19 2	20 21 22	23 24	4 25 2	6 27	28 29	30 1
4 Area TWO	Excavation			Alexandra de Caración				-				-				_	-		4				+	_	\vdash
5			Conduits to culverts for control cabling to 22KV Switch	critical activity	75	-	_					+		-						-		-			
6		10000	Markout and excavate B45 and B46 edge beam conduits	-100	50	_					Ш	_							\perp	+	+	\perp		4	
7	Installation of Conduits	GTE	Flexibles into culverts.	GTE	25	_					\mathbf{H}	+		-	-	+	-			+	-	+	\perp	_	
8	Earthing Cables	E&C	Complete /Excavate and install area 2A between battery pads.		75	_		ш	\vdash	\perp	Н	+				-	-	-	++	++	-	+	\perp	_	\vdash
9	Foundation for Transformer		Insitu formwork to be erected & complete first pour	T11	10	_	_	1				_		-			-		+	+	+	+	\perp	_	\blacksquare
1	Battery precast foundation	on	Install precasts		0	0		\perp	\perp	ш	Щ	_		-	4	46 45			+	+	+	\perp	\perp	_	\perp
2			Markout and drill holddown bolts		30	0					Ш						\perp		\perp		\perp				
3	RMU 3		Install into place		0	0				-															
4	Culverts		Grout in flexibles /fit cable ladder /haunch		0	0																			
5	Permanent Fence Erection	n	West Boundary fence erection before final swale formation.	On HOLD 24/4	0	0																			
6 EQIP INSTALL	Transformers x 6		Transformer survey and height adjustment	Repair Review regd	0	0													T11						
7	Invertor		Placement including Cable pull between battery and Invertor		0	0		-										TI	-						
8			Install buzz bars and buzz ducts		0	0																			
9	RMU 2 and 3		Placement	after cable pull	0	0																			
)	CRT		B45 B46 installation and cable terminations to same.		0	0																			П
L	Battery Cubes		Placement of 48 into position		0	0						12	24			36	48			-					
2			Complete all connections		0	0																			
3	Cable Pulling		Power ,Control and data to control room		0	0																			П
1			Invertor to battery pad control loops	After 45/46 landed	0	0								П					\Box						
5	Cable Terminations		T6 through to T11 Invertor		0	0																			
5			Control Roomboth power and control cabling		0	0																			П
7	Additional tasks to ca	pture fo	r both Areas and Stages		0	0																			П
3	3.0		Reset temp swale to west fence line	RAPS reqd- on HOLD	0	0																			
9			Bollards /Lighting&CCTV Towers / site demob start		0	0																			
0			UPS delivery to site	END of JUNE	0	0																			
1			Update landowner on fence contruction start date	review spreadsheet	0	0																			
2			Upgrade temp swale to south boundary and maintain same	close south entry poi	0 ח	100																			











APPENDIX D - COMPLAINTS REGISTER

NOTE: No complaints have been reported within this reporting period or previous period.

AIR Event No.	Date Reported	Complainant Source	Complaint Type and Detail	Corrective Action(s)	Responsible Person(s)	Actions Due Date	Actions Closed Date