Flinders Island Project
Progress Report

June 2018

Executive Progress Summary

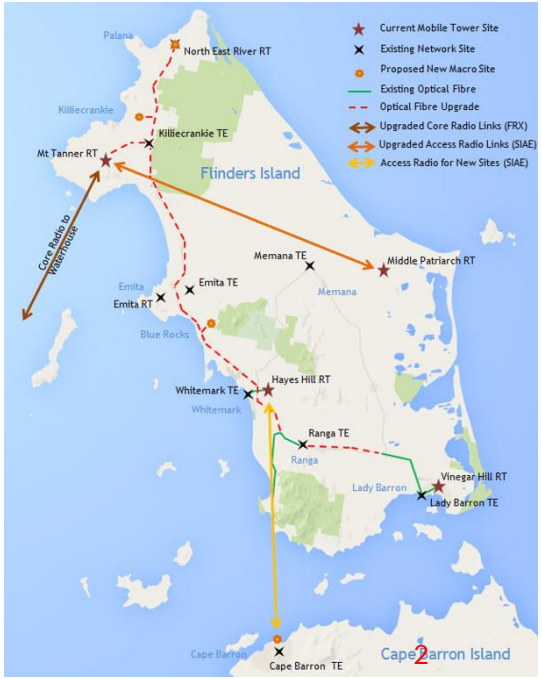
Issues requiring escalation	Nil.

Progress Summary

All 83km's of fibre has been installed, including the routes to the Mobile sites.
The structure at Mt Tanner is undergoing refurbishment.
For each of the four greenfield mobiles sites, permission from the land owners to start work has been achieved.

Issues/Risks

- Telstra is unable to conduct external works at Waterhouse from 1st June 2018 to 31st Jan 2019 due to birds, and from 1st Feb to 28th Feb due to the fire ban season. Telstra is seeking an exemption from the February embargo. If this is not granted, the old structure will not be recovered until Mar 2020.
- As an interim arrangement, from Oct 18 to May19 the new Fujitsu radio system will be cutover using existing infrastructure at Waterhouse. This will result in substantially reduced mobile capacity at all sites until the new structure and antennas are installed in May 19.



Fibre

Scope	83km of 36 core optical fibre cable (including 11km of over-build and fibre spurs to mobiles base stations). Refer IP50014872.
Status	completed

Progress Summary
All fibre IEN and Mobile fibre cable is now installed Total fibre ploughed = 83km

Mt Tanner fibre plough works

Deliverables	Forecast	Actual	Status
Fibre from Lady Barron to Trouser Point Rd turnoff	16/3/18	28/2/18	●
Fibre from Trouser Point Rd turnoff to Emita	30/3/18	27/3/18	●
Fibre from Emita to Killiecrankie TE	20/4/18	24/4/18	●
Fibre from Killiecrankie TE to Mt Tanner	18/5/18	1/6/18	●

Fixed Radio

Scope	Fujitsu trunk radio system between Waterhouse exchange and Mt Tanner RT. Refer IP50014683. Two AGS20 Ethernet radio systems - Mt Tanner RT to Middle Patriarch, Hayes Hill RT to Cape Barron
Status	On track. No major issues or risks.

Progress Summary
The Detailed Design for the Waterhouse to Mt Tanner and Mt Tanner to Middle Patriarch trunk radio systems have been completed. The radio equipment for all three radio systems has been ordered. The interim solution for Waterhouse to Mt Tanner will require use of spare feeders at Waterhouse which have not yet been fully tested.

Deliverable	Forecast	Actual	Status
Waterhouse to Mt Tanner trunk radio system (interim solution)	5/9/18		
Mt Tanner to Middle Patriarch CAN radio system commissioned	7/9/18		
Hayes Hill to Cape Barron CAN radio system commissioned	19/10/18		

Mobiles

Scope	NCS: 4GX upgrades at Mt Tanner RT, Middle Patriarch, Hayes Hill RT, Vinegar Hill RT. Kordia: Greenfield 3G+4GX mobiles base stations at NE River RT, Killiecrankie, Blue Rocks, Cape Barron
Status	On track. No major issues or risks.

Progress Summary

The prime candidate for each of the four greenfield sites has been selected and signed HOTs have been received.
A new pole will be installed at Memana, replacing the existing structure.

Deliverable	Forecast	Actual	Status
Mt Tanner RT +4G	14/12/18		●
Hayes Hill RT + 4G	14/12/18		●
Vinegar Hill RT + 4G	14/12/18		●
Blue Rocks 3G + 4G	14/12/18		●
Cape Barron 3G + 4G	14/12/18		●
Palana 3G + 4G	28/2/19		●
Killiecrankie 3G + 4G	28/2/19		●
Memana +4G	28/2/18		●

Memana RT
(structure to be replaced)

Hayes Hill
(structure may need to be replaced)

Transmission

Scope	Upgraded transmission network between Launceston exchange and Waterhouse exchange, and between Mt Tanner and Lady Barron.
Status	On track. No major issues or risks.

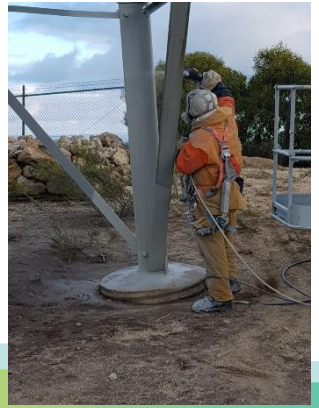
Progress Summary	Deliverable	Forecast	Actual	Status
All Briefs (IP50014969, 50015072, 50015071) for the transmission upgrade have been issued.	Launceston to Waterhouse transmission upgrade	30/8/18		●
	Flinders Island transmission upgrade	30/10/18		●

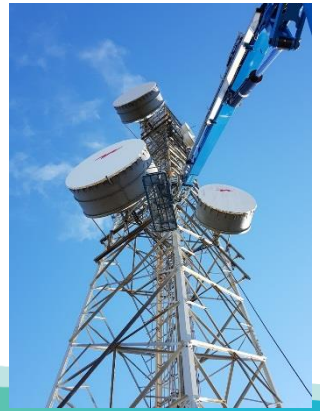
Key dependencies

Scope	Replacement of 70m tower at Waterhouse with an 80m tower Replacement of the top 24m of the 48m tower at Mt Tanner
Status	The authorities have placed a prohibition on all external work at Waterhouse between Jun 18 and Feb 19 inclusive due to concerns about disturbing the breeding of an endangered species of bird in the area, and the fire ban. The erection of the new structure and antennas must now be deferred to Feb/Mar 19.

Progress Summary
Detailed Designs are underway. • Fabrication for the new structure for Waterhouse has begun by Le Blanc. Painting of new Waterhouse structure has been awarded. • Final coats have been applied to the Mt Tanner structure.

Deliverable	Forecast	Actual	Status
Upgrade structure at Waterhouse	30/3/19		●
Upgrade structure at Mt Tanner	10/7/18		●



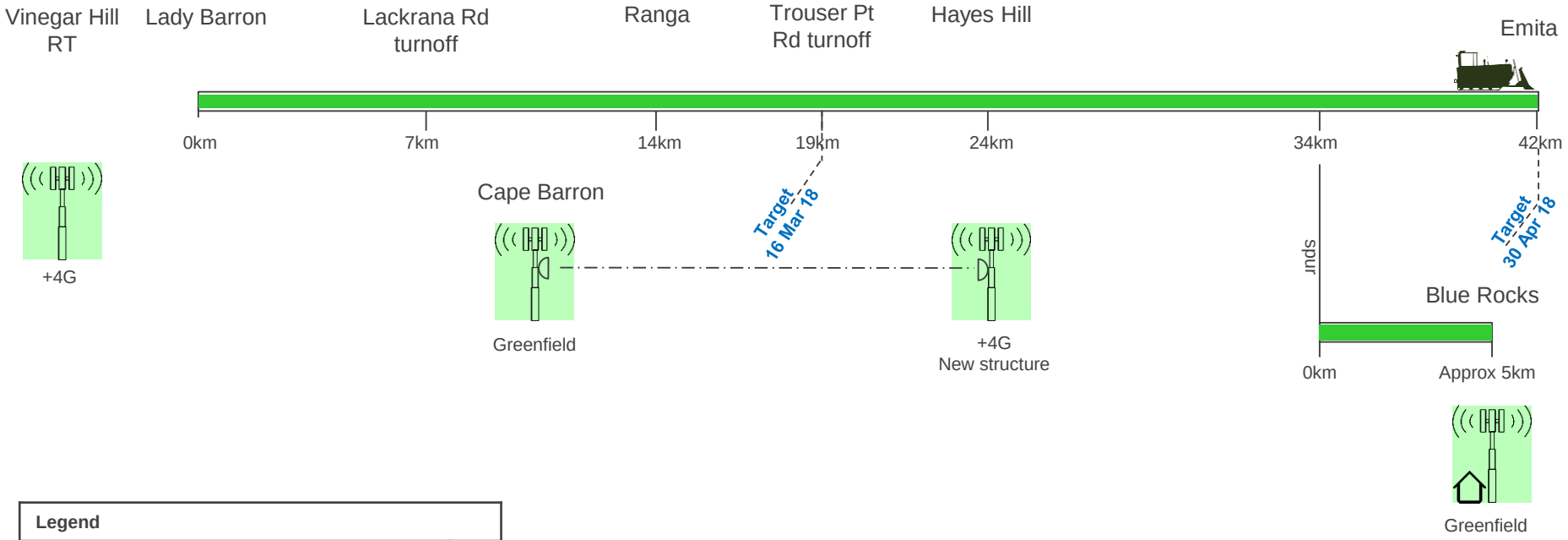


Mt Tanner structure painting

Waterhouse

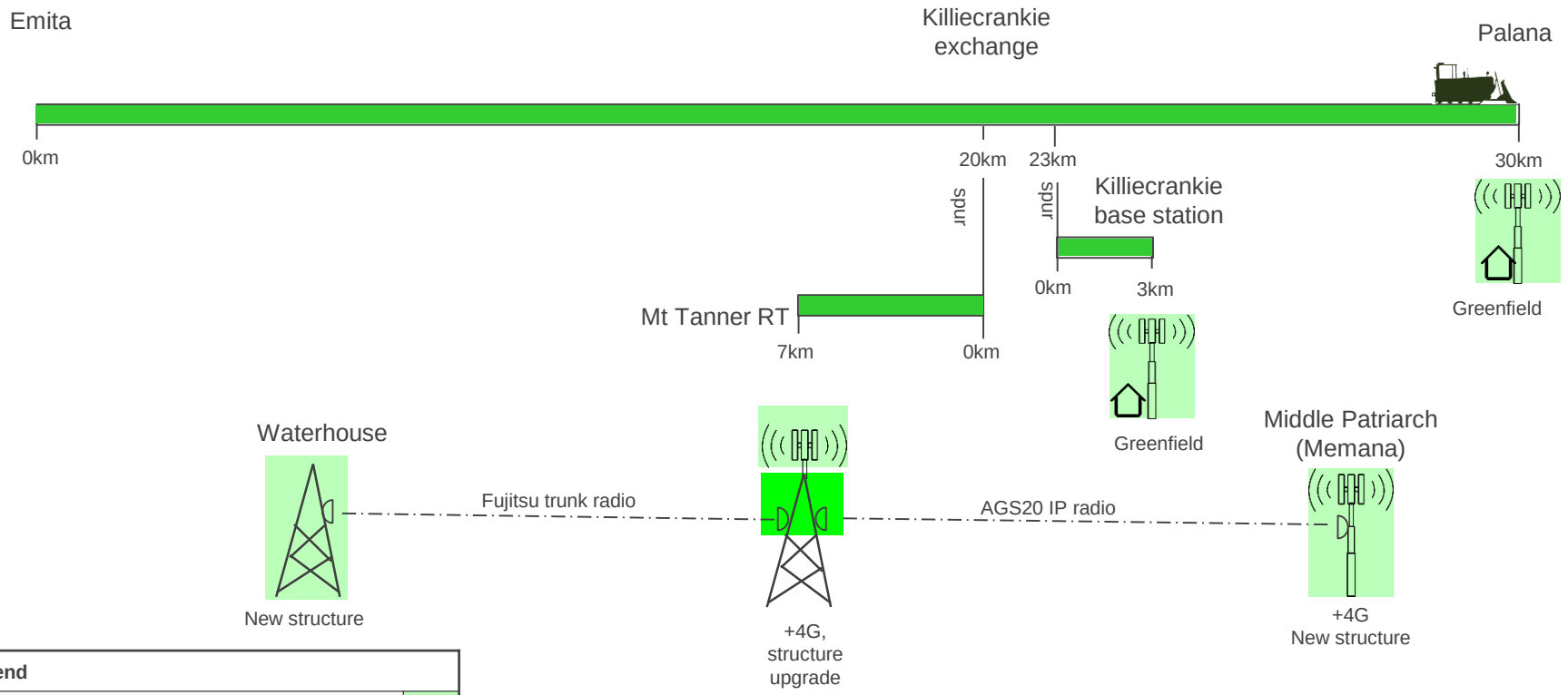
Mt Tanner

Southern portion of island



Legend	
Brief issued	
Design approved for construction	
Construction completed	
In service	

Northern portion of island



Legend	
Brief issued	
Design approved for construction	
Construction completed	
In service	

Milestone payments as per EWA

Summary	$5.65M is expected to be claimable in FY18.

Milestone	Amount	Description	% comp.	Forecast Date	Actual Date
1	$400,000	All design work completed.	75	30/9/18	
2	$350,000	Commencement of delivery of fibre material to Flinders Island.	100	9/2/18	13/2/18
3	$500,000	Mobilisation of fibre construction plant to Flinders Island.	100	26/1/18	22/1/18
4	$1,000,000	Completion of the installation of fibre to North East River (Palana) base station, Killiecrankie TE, Mt Tanner.	100	15/6/18	11/6/18
5	$1,000,000	Completion of the installation of Telstra fibre between Killiecrankie TE and Emita.	100	20/4/18	24/4/18
6	$1,800,000	Completion of the installation of the Telstra radio systems between Waterhouse and Mt Tanner, and between Mt Tanner and Middle Patriarch.	30	16/5/19	
7	$350,000	Completion of the installation of a Telstra radio system between Hayes Hill and Cape Barron.	0	27/11/18	
8	$1,800,000	Completion of the installation of Telstra fibre between Emita and Trousers Rd Point turnoff.	100	30/4/18	23/3/18
9	$1,000,000	Completion of the installation of Telstra fibre between Ranga TE and Lackran Rd turnoff, and Killiecrankie base station and Blue Rocks base station.	100	12/7/18	11/6/18
10	$400,000	Completion of the installation of Telstra Mobile equipment to Mt Tanner, Middle Patriarch, Hayes Hill and Vinegar Hill and demonstration that all Sites are taking 4G mobile traffic.	0	21/11/18	
11	$400,000	Completion of the installation of Telstra Mobile equipment to Palana, Killiecrankie, Blue Rocks and Cape Barron and demonstration that all Sites are taking 4G mobile traffic	0	28/2/19	

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Milestone Evidence

Milestone	Amount (ex GST)	Milestone Description	% Complete	Commentary and Photographic Evidence	Invoice Issued
1	$400,000	All design work completed			
2	$350,000	Commencement of delivery of fibre material to Flinders Island.	100%	Materials delivered to Lady Barron	April 2018
3	$500,000	Mobilisation of fibre construction plant to Flinders Island.	100%	Trucks and Vehicles arriving at Flinders Island. Dozers and Cable layers at staging area.	April 2018

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Milestone Evidence (continued)

Milestone	Amount (ex GST)	Milestone Description	% Complete	Commentary and Photographic Evidence	Invoice Issued
4	$1,000,000	Completion of the installation of fibre to North East River (Palana) base station, Killiecrankie TE, Mt Tanner.	100	Killiecrankie TE IMG_4611 Lat - -39.834602778°, Long - 147.873077778° IMG_4613 Lat - -39.844477259°, Long - 147.874709465° IMG_4615 Lat - -39.835747222°, Long - 147.873900000° IMG_4618 Lat - -39.830197222°, Long - 147.878158333° IMG_4622 Lat - -39.835663889°, Long - 147.875366667° IMG_4623 Lat - -39.835597222°, Long - 147.875336111° IMG_4624 Lat - -39.835597222°, Long - 147.875336111° IMG_4625 Lat - -39.835586111°, Long - 147.874191667° IMG_4626 Lat - -39.835430556°, Long - 147.873886111° IMG_4627 Lat - -39.834522222°, Long - 147.873122222° 	

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Milestone Evidence (continued)

Milestone	Amount (ex GST)	Milestone Description	% Complete	Commentary and Photographic Evidence	Invoice Issued
4	$1,000,000	Completion of the installation of fibre to North East River (Palana) base station, Killiecrankie TE, Mt Tanner.	100	Killiecrankie TE North East River (Palana) IMG_4672 Lat - -39.853672222°, Long - 147.888169444° IMG_4677 Lat - -39.814533333°, Long - 147.881316667° IMG_4679 Lat - -39.798069444°, Long - 147.891327778° IMG_4683 Lat - -39.777472222°, Long - 147.897400000° IMG_4685 Lat - -39.782483333°, Long - 147.891341667° IMG_4686 Lat - -39.764050000°, Long - 147.906875000° IMG_4687 Lat - -39.763855556°, Long - 147.908613889° IMG_4688 Lat - -39.763058333°, Long - 147.910461111° IMG_4690 Lat - -39.763416667°, Long - 147.909697222° IMG_4693 Lat - -39.778130556°, Long - 147.903733333° IMG_4694 Lat - -39.778094444°, Long - 147.903777778°	

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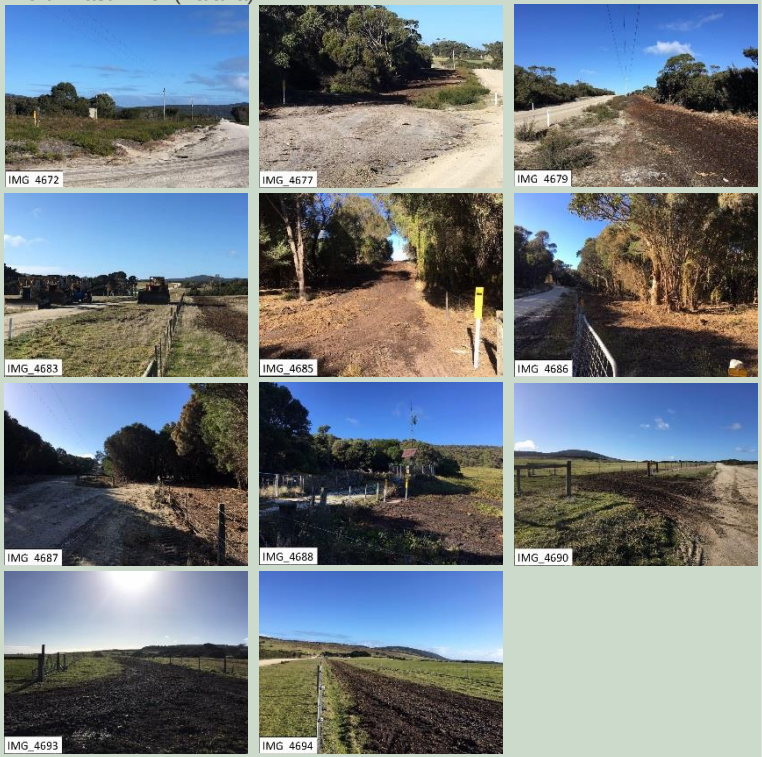
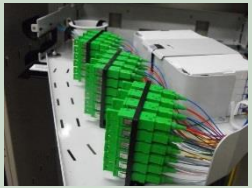
Milestone Evidence (continued)

Milestone	Amount (ex GST)	Milestone Description	% Complete	Commentary and Photographic Evidence	Invoice Issued
4	$1,000,000	Completion of the installation of fibre to North East River (Palana) base station, Killiecrankie TE, Mt Tanner.	100	North East River (Palana)  	14

Milestone Evidence (continued)

Milestone	Amount (ex GST)	Milestone Description	% Complete	Commentary and Photographic Evidence	Invoice Issued
4	$1,000,000	Completion of the installation of fibre to North East River (Palana) base station, Killiecrankie TE, Mt Tanner.	100	Mt Tanner IMG_4521 Lat - -39.879085887°, Long - 147.823075000° IMG_4522 Lat - -39.879063889°, Long - 147.823075000° IMG_4523 Lat - -39.877075000°, Long - 147.824691667° Mt Tanner terminations 	
5	$1,000,000	Completion of the installation of Telstra fibre between Killiecrankie TE and Emita.	100		

Milestone Evidence (continued)

Milestone	Amount (ex GST)	Milestone Description	% Complete	Commentary and Photographic Evidence	Invoice Issued
6	$1,800,000	Completion of the installation of the Telstra radio systems between Waterhouse and Mt Tanner, and between Mt Tanner and Middle Patriarch.			
7	$350,000	Completion of the installation of a Telstra radio system between Hayes Hill and Cape Barron.			

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Milestone Evidence (continued)

Milestone	Amount (ex GST)	Milestone Description	% Complete	Commentary and Photographic Evidence	Invoice Issued
8	$1,800,000	Completion of the installation of Telstra fibre between Emita and Trousers Rd Point turnoff.		Whitemark terminations	

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Milestone Evidence (continued)

Milestone	Amount (ex GST)	Milestone Description	% Complete	Commentary and Photographic Evidence	Invoice Issued
9	$1,000,000	Completion of the installation of Telstra fibre between Ranga TE and Lackran Rd turnoff, and Killiecrankie base station and Blue Rocks base station.	100	Blue Rocks IMG_4705 Lat - -40.0562833333333, Long - 147.958266666667 IMG_4707 Lat - -40.056525, Long - 147.958191666667 IMG_4709 Lat - -40.0568888888889, Long - 147.958252777778 IMG_4712 Lat - -40.0579194444444, Long - 147.958405555556 IMG_4717 Lat - -40.0565083333333, Long - 147.958175 IMG_4722 Lat - -40.0568972222222, Long - 147.958205555556 	

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Milestone Evidence (continued)

Milestone	Amount (ex GST)	Milestone Description	% Complete	Commentary and Photographic Evidence	Invoice Issued
10	$400,000	Completion of the installation of Telstra Mobile equipment to Mt Tanner, Middle Patriarch, Hayes Hill and Vinegar Hill and demonstration that all Sites are taking 4G mobile traffic.			
11	$400,000	Completion of the installation of Telstra Mobile equipment to Palana, Killiecrankie, Blue Rocks and Cape Barron and demonstration that all Sites are taking 4G mobile traffic			

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