

2019-20 Budget Estimates Volume of Additional Information

**Innovation, Tourism Development and Environment
Committee**

August 2019

Table of Contents

Questions on notice and responses – *Minister for Innovation and Tourism Industry Development and Minister for the Commonwealth Games*

Questions on notice and responses – *Minister for the Environment and the Great Barrier Reef, Minister for Science and Minister for the Arts*

Documents tabled at hearing – 31 July 2019

**Questions on notice and responses – *Minister for
Innovation and Tourism Industry Development and Minister
for the Commonwealth Games***

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 1

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 20 of the Department of Innovation, Tourism Industry Development and the Commonwealth Games (DITID) Service Delivery Statement, please provide infrastructure projects supported through the Palaszczuk Government's Outback Tourism Infrastructure Fund and the benefit of this fund to rural communities?

ANSWER:

The Palaszczuk Government, through the \$10 million Outback Tourism Infrastructure Fund, is supporting the delivery of 15 new outback Queensland tourism projects. The projects supported by the Queensland Government cover all areas of the outback from Adels Grove and Cobbold Gorge in the north, through Longreach and Barcaldine in Central Queensland and from Birdsville in the far west, to Cunnamulla in the south.

The 15 projects funded through the Outback Tourism Infrastructure Fund are:

- Outback Aussie Tours Pty Ltd for an Outback Rail Adventure to fund two Rail Motors and associated infrastructure in Longreach
- 5 Star Eco Lodges to build permanent 5 star tents with solar and water treatment plants to treat waste water in Longreach
- Qantas Foundation Memorial to build a facility to display the history of the Qantas Super Constellation Cabins and Cockpit in Longreach
- North Gregory Hotel - Vision Splendid Outback Tour Company – to build adventure base camp facilities along the Dinosaur Dreaming Trail in Winton
- Yambangku Aboriginal Cultural Heritage and Tourism Development Aboriginal Corporation to facilitate unique Aboriginal and ecological tourism experiences in Aramac, Barcaldine
- Barcaldine Regional Council to build economical camping parks in Aramac, Jericho and Muttaborra where no commercial camping grounds exist
- Mount Isa City Council to revitalise the Riversleigh Fossil Centre to showcase the fossil stories of the local area in Mount Isa

- Adels Grove Camping Park for a conference room and camp kitchen in Lawn Hill
- McKinlay Shire Council to build additional infrastructure to provide an upmarket experience at the artesian bath facility at Julia Creek Caravan Park
- Cobbold Gorge Tours to develop, construct and install a glass bottom bridge to span an 11 metre gap over the Cobbold Gorge in Forsayth
- Murweh Shire Council to build infrastructure to showcase Charleville's World War II heritage in Charleville
- Maranoa Regional Council – The Bigger Big Rig and Tree Walk - to build a visitor information centre in Roma to pay homage and celebrate Australia's first discovery of oil and gas and other tourist attractions in the area in Roma
- Diamantina Shire Council to renovate the Old Court House building to showcase the history of Birdsville
- Outback Gondwana Foundation to build infrastructure to display Australia's largest dinosaur 'Cooper' in Eromanga
- Paroo Progress Association – Cunnamulla All Aboard! Time Travel After Dark – to build new and renovate existing infrastructure on the history of the rail experience in the outback in Cunnamulla.

The Palaszczuk Government has also funded \$2.2 million towards the expansion and refurbishment of the Australian Workers Heritage Centre in Barcaldine. Construction is underway on a purpose designed entry building. The new building will feature a themed entry, café, retail outlet, children's activity area, rest room facilities and disabled parking. The expansion and upgrade have been designed for the drive tourism market.

Investing in these tourism projects will help attract more visitors to the outback and inject significant new spending into regional communities. The projects will support 160 jobs during construction, more than 90 on-going tourism jobs and contribute \$18 million each year into local outback economies.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 2

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 20 of the DITID Service Delivery Statement, will the Minister outline what events were supported through the Queensland Destination Events Program in 2018-19?

ANSWER:

The Queensland Destination Events Program, administered by Tourism and Events Queensland (TEQ), is designed to create a growth pathway for events that play a role in attracting visitors to Queensland regions and promote the destination.

The Palaszczuk Government is investing an additional \$36 million over three years from 2018-19 for TEQ to attract more events that draw in more visitors, create more jobs and position Queensland as Australia's events capital. This investment enabled TEQ to increase its allocation to the Queensland Destination Events Program from \$2 million to \$3 million per year.

In 2018-19, 96 destination events were awarded funding and will be staged between December 2018 and September 2020. Of the 96 events, more than 60 per cent will be staged outside of the South East Queensland corner, and close to 90 per cent will be staged outside of the Brisbane region. The 96 events are listed below:

- Auswide Bank CycleFest International, Bundaberg
- Childers Festival, Childers
- Capricorn Film Festival 2019, Yeppoon
- Fitzroy River Barra Bash, Rockhampton
- Gemfest 'Festival of Gems', Anakie
- One Hot Night 2018, Rockhampton
- One Hot Night 2019, Rockhampton
- Paradise Lagoons Campdraft 2019, Nine Mile
- Rockhampton River Festival, Rockhampton
- The CQUniversity Village Festival, Yeppoon
- Mary Poppins Festival, Maryborough

- The Hervey Bay Whale Festival, Hervey Bay
- Agnes Blues, Roots & Rock Festival, Agnes Waters
- Boyne Tannum Hookup 2019, Boyne Island
- Captain Cook 1770 Festival in 2019, Town of 1770
- Under The Trees Music & Arts Festival, Boyne Island
- 12 Towers Ocean Paddle Race, Gold Coast
- 2019 Gold Coast Open (2019 Burleigh Pro Surf Festival), Gold Coast
- Beach Rugby Australia - Festival 2019, Gold Coast
- BOWLZILLA Gold Coast, Gold Coast
- Buskers by the Creek, Gold Coast
- Cooly Rocks On, Gold Coast
- Crafted Festival, Gold Coast
- Gold Coast Film Festival, Gold Coast
- Gold Coast World Masters, Gold Coast
- Sand Safari Arts Festival, Gold Coast
- Surfers Paradise LIVE, Gold Coast
- SWELL Sculpture Festival, Gold Coast
- Motorcycle Beach Races, Grasstree Beach
- River Sessions, Mackay
- 2019 Glencore Great Western Games, Charter Towers and Mount Isa
- Beat the Heat Festival 2019, Cloncurry
- Boulia Camel Races 2019, Boulia
- Cobb & Co Festival - Australia's Last Run, Surat
- Half Way There - Charleville Shindig, Charleville
- Julia Creek Dirt n Dust Festival, Julia Creek
- Outback Festival, Winton
- Outback Queensland Masters, Roma
- Outback Queensland Masters, Charleville
- Outback Queensland Masters, Longreach
- Outback Queensland Masters, Boulia
- Outback Queensland Masters, Mount Isa
- Cunnamulla Fella Festival, Cunnamulla
- Richmond Outback Fossil Festival, Richmond
- Roma's Easter in the Country, Roma
- Blackbutt Avocado Festival, Blackbutt
- E & E Waste Hell of the West and GTH+ Super Saturday Weekend, Goondiwindi
- Great Northern Brewing Co Warwick Rodeo and Pryde's Easifeed Warwick Gold Cup Campdraft, Warwick
- Hampton Festival, Hampton
- Historic Leyburn Sprints, Leyburn
- Jumpers and Jazz in July Festival, Warwick
- Opera at Jimbour, Jimbour
- River Dragon Festival, St George
- Stanthorpe Apple and Grape Harvest Festival, Stanthorpe
- Tara Festival of Culture and Camel Races, Tara

- 7 Sunshine Coast Marathon, Alexandra Headlands
- Australian Body Art Festival, Cooroy
- Caloundra Music Festival, Caloundra
- Goomeri Pumpkin Festival 2019, Goomeri
- Horizon Festival Sunshine Coast, Sunshine Coast
- Jungle Love Festival, Sunshine Coast
- Mitchell Creek Rock N Blues Fest, Noosa Hinterland
- Noosa Classic 2019, Noosa
- Noosa Summer Swim Festival, Noosa
- Queensland Garden Expo, Nambour
- Sunshine Coast MultiSport Festival, Mooloolah Valley
- Airlie Beach Festival of Music, Airlie Beach
- Airlie Beach Race Week Festival of Sailing, The Whitsundays
- Hamilton Island Triathlon, The Whitsundays
- Whitehaven Beach Ocean Swim, The Whitsundays
- Whitsunday Reef Festival, The Whitsundays
- McDonalds Townsville Running Festival, Townsville
- Monster Energy PBR Australia Grand Final, Townsville North Queensland
- Sealink Magnetic Island Race Week, Magnetic Island
- Sweet Days Hot Nights Festival, Home Hill
- Townsville Triathlon Festival, Townsville
- Cairns Amateurs, Cairns
- Cairns Indigenous Art Fair, Cairns
- Cooktown Discovery Festival, Cooktown
- Croc Nash Hash 2019, Port Douglas
- Crocodile Trophy 2019, Tropical North Queensland
- Palm Cove Reef Feast, Palm Cove
- Port Douglas Carnivale 2019, Port Douglas
- Port Shorts Film Festival, Port Douglas
- The Gulf Country Frontier Days Festival, Burketown
- Tour of the Tropics, Tropical North Queensland
- Yarrabah Music and Cultural Festival, Yarrabah
- Abbey Medieval Festival, Caboolture
- BIGSOUND Festival, Fortitude Valley
- Laidley Spring Festival & Family Fun Day, Laidley
- McDonald's Brisbane Marathon Festival, Brisbane
- MELT 2019: Festival of Queer Arts and Culture, New Farm
- Moreton Bay Food and Wine Festival, Redcliffe
- Quandamooka Festival, North Stradbroke Island
- Redcliffe KiteFest, Redcliffe
- RedFest Strawberry Festival, Cleveland
- Scenic Rim Clydesdale Spectacular, Boonah
- Scenic Rim Eat Local Week/Winter Harvest Festival
- Straddie Salute Triathlon Festival, North Stradbroke Island
- The Planting, Woodford.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 3

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 20 of the DITID Service Delivery Statement, how is Tourism and Events Queensland helping tourism operators grow and promote their product through the *Best of Queensland Experiences* Program?

ANSWER:

Tourism and Events Queensland (TEQ) helps tourism operators grow and promote their product through the Best of Queensland Experiences Program by working with tourism operators to deliver exceptional experiences, ensuring that every visitor leaves as an advocate for Queensland.

The Best of Queensland Experiences Program identifies exceptional experiences across the state by assessing tourism products against a set of criteria that reflect consumer expectations and represent best practice industry standards, recognised internationally.

In 2019, more than 1300 tourism products were identified as Best of Queensland Experiences, a 25 per cent increase on the number of products that met the criteria in March 2018. Industry response to the Best of Queensland Experiences Program has been positive and Queensland is seeing tourism operators actively taking steps to improve their visitor experiences as a result of the program, including improving their social media engagement and online review management processes and implementing online booking capabilities.

TEQ works in partnership with Regional Tourism Organisations (RTOs) and the Queensland Tourism Industry Council on business development programs that support tourism operators.

TEQ and RTOs will continue to work directly with operators and assist them to improve their business practices and customer experience delivery. TEQ will continue to review and evolve the program based on operator feedback and changing consumer expectations to ensure it effectively drives the best possible results for our tourism industry.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 4

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 2 of the DITID Service Delivery Statement and the Palaszczuk Government's commitment to grow the visitor economy, what growth have we seen in the export value of international education since the implementation of the government's International Education and Training Strategy?

ANSWER:

In November 2016, the Palaszczuk Government launched the International Education and Training Strategy 2016-2026 to position Queensland as Australia's most attractive destination for international students.

The Strategy, led by Study Queensland, a unit of Trade and Investment Queensland, was supported by a funding commitment of \$25.3 million over five years. When the Strategy was launched, there were just over 100 000 students studying in Queensland and the export value was worth \$2.8 billion.

I am pleased to report the implementation of the Strategy is on track and the investment is paying dividends. International Education and Training (IET) is now the state's second largest services export. In 2018, the industry contributed \$5 billion to the Queensland economy for the first time, representing more than 36 per cent of Queensland's total services exports and an annual increase of \$661 million or 15 per cent, making it Queensland's fastest growing service export. The industry supports more than 38 000 jobs across Queensland.

International student enrolments have grown to more than 135 000. This means international student enrolments have grown by 30 per cent since the launch of the Strategy. Also, more than 30 per cent of international student enrolments are outside of Brisbane and student satisfaction has increased from 82 per cent to 92 per cent.

In addition to the figures quoted above which include student visas only, in the 12 months leading up to March 2019, there were also 121 000 tourists who visited Queensland for the purpose of education, representing an increase of 14 per cent over the previous 12 months. These educational visitors spent \$1.7 billion which made up 28 per cent of total visitor expenditure in Queensland.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 5

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 4 of the DITID Service Delivery Statement and the Growing Tourism Infrastructure Fund which is supporting the development of new and improved tourism attractions across the state, how much has the Palaszczuk Government's funding leveraged in private investment?

ANSWER:

The Growing Tourism Infrastructure Fund is part of the Palaszczuk Government's commitment to grow tourism infrastructure and to create tourism jobs for Queenslanders.

Under the Growing Tourism Infrastructure Fund, the Palaszczuk Government is partnering with the private sector to deliver 13 tourism infrastructure projects across the state that will encourage tourists to come to Queensland and stay longer.

I am advised during construction more than 200 jobs will be created and 300 jobs supported when operational. Through this investment more than \$65 million will be generated for the Queensland economy every year.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 6

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 4 of the DITID Service Delivery Statement, how is the Palaszczuk Government supporting the development of Queensland's ecotourism industry?

ANSWER:

Our government is committed to growing ecotourism in Queensland.

That is why, through the Queensland Ecotourism Plan 2016-2020, the Palaszczuk Government is backing new ecotourism experiences across the state.

In terms of developments within our national and marine parks, this Government has funded:

- \$2 million for the Hill Inlet Lookout upgrade and expansion on Whitsunday Island
- \$500,000 for new walking trails on Border, Langford and Haslewood Islands
- \$970,000 for underwater art experiences in the Whitsundays
- \$2.8 million for a new walking track from Whitehaven Beach to Tongue Point on Whitsunday Island.

The Government is also partnering with the private sector to deliver new ecotourism experiences in the Great Barrier Reef Marine Park. For example, providing support for a \$2 million eco-luxe redevelopment on Wilson Island in Capricornia Cays National Park and investing \$1 million towards a new three-level underwater hotel near Lady Musgrave Island and \$500,000 towards a Sunlover expansion of their marine infrastructure in Cairns and the Whitsundays.

Through our Queensland Ecotourism Trails program, we are also developing four ecotourism trails including:

- \$41.7 million for the Wangetti Trail – a 94 kilometre coastal and rain forest track from Palm Cove to Port Douglas
- \$1 million to support upgrades of the Thorsborne Trail on Hinchinbrook Island, Whitsunday Walk on Whitsunday Island and Cooloola Great Walk in Cooloola National Park.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 7

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 4 of the DITID Service Delivery Statement and Queen's Wharf Brisbane, please provide an update on the progress of this city-changing development?

ANSWER:

I am pleased to advise that construction of Queen's Wharf Brisbane (QWB) is on track, with the developer targeting completion in late-2022.

This \$3.6 billion project will support 2000 workers during construction and, once complete, will provide up to 10 000 additional jobs in the tourism industry.

The developer took possession of the site on 1 January 2017, undertaking the demolition of the three non-heritage buildings, commencing the excavation stage for Queensland's largest basement and underground car park and beginning construction in mid-2019 with the first two tower cranes installed in June.

During demolition and excavation close to 400 000 cubic metres of material was safely removed and 90 per cent of this material has been recycled, with most going to the Brisbane Airport second runway development. The foreshore works are also underway with construction of the Boat House pontoon, Mangrove Walk (showcasing Indigenous designs and storytelling elements), Waterline Park and the surrounding portion of the Bicentennial Bikeway to be open in late-2019. These works will be the first of the QWB's public space and provide a new gathering place to celebrate the historic area.

When complete, QWB will have created the equivalent of 12 football fields of public open space, preserved and repurposed 11 heritage buildings and places located within the precinct and constructed new hotels, retail, restaurants and residential accommodation.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 8

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 20 of the DITID Service Delivery Statement, outlining Tourism and Events Queensland's (TEQ) service summary, will the Minister disclose the total value of hospitality and hosting expenses for Tourism and Events Queensland for 2018/19 breakdown by position:

- a) Chair,
- b) CEO, and
- c) all other TEQ employees (combined)?

ANSWER:

The provision of hospitality is part of TEQ's core business as the state's lead marketing, major events and destination and experience development agency.

Hospitality is for official purposes only, must be necessary for TEQ to conduct its business effectively, efficiently and economically and properly documented, budgeted and approved by the appropriate delegate in accordance with high standards of public accountability.

The standards in the guidelines for hospitality at TEQ are consistent with the guidelines under the Newman Government.

Some examples of hospitality expenses include hosting high level stakeholders in Queensland such as airlines, tourism trade partners and event proponents such as International Olympic Committee members at the recent SportAccord 2019 and hosting stakeholders and partners in key international source markets

TEQ's hosting and hospitality expenses for 2018-19 were a) nil, b) \$3,500 and c) 193,600.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 9

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 20 of the DITID Service Delivery Statement outlining the government's collaborative approach with Regional Tourism Organisations (RTO), will the Minister advise over the forward estimates (reported separately by year and in the same format as Question on Notice No. 339 of 2019):

- a) base funding allocated to each RTO, and
- b) convention and incentive funding allocated to each RTO?

ANSWER:

- a) The Palaszczuk Government recognises the importance of tourism and events in regional Queensland communities and remains committed to funding our regional tourism network.

This is why the Government has re-committed \$21 million over the next three years to 2021-22 to the Tourism Network Funding Program, to support Queensland's RTOs.

The Palaszczuk Government is able to make this long-term commitment to RTOs because of our four-year tourism funding guarantee. This Government has restored funding after the former Newman Government cut \$188 million from the tourism budget over the forward estimates.

Tourism and Events Queensland (TEQ) has confirmed funding for 2019-20 will be provided at the same levels as in the previous financial year. Discussions with the RTOs regarding the breakdown of the funding for 2020-21 and 2021-22 will occur in the year prior.

Base funding for RTOs in 2019-20 is detailed in the table below:

RTO	2019-20
Brisbane	\$749 000
Bundaberg	\$393 000
Capricorn	\$393 000
Fraser Coast	\$393 000
Gladstone	\$393 000
Gold Coast	\$904 000
Mackay	\$362 000
Outback Queensland	\$485 000
Southern Queensland Country	\$475 000
Sunshine Coast	\$532 000
Townsville	\$485 000
Tropical North Queensland	\$904 000
Whitsundays	\$532 000
Total	\$7 000 000

Funding provided to RTOs under the Tourism Network Funding Program 2019-22 is to be matched by local government and/or other industry partners, doubling the efforts for the destinations and creating a total resource of \$42 million over three years.

- b) The Palaszczuk Government is committed to supporting business events in Queensland. Business events generate economic benefit for the visitor economy, attract investment through an influential audience and create opportunities to showcase destinations, local products, services and investment to national and international audiences.

TEQ works with industry, including RTOs, convention centres, professional conference organisers and international associations to secure international business events for Queensland through the Acquisition and Leveraging Fund.

TEQ has an agreement providing RTOs with three years of assured convention funding through to the end of 2019-20. Negotiations with RTOs regarding funding allocations in future years will occur in the year prior.

Convention funding allocated to RTOs in 2019-20 is detailed in the table below:

Convention bureaux (RTO)	2019-20
Brisbane	\$600 000
Gold Coast	\$600 000
Sunshine Coast	\$100 000
Townsville	\$100 000
Tropical North Queensland	\$400 000
TOTAL	\$1 800 000

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 10

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 2 of the DITID Service Delivery Statement, progression of market approaches for global tourism hubs in Cairns and the Gold Coast, will the Minister advise the total departmental and ministerial expenses from 2017 to date relating to:

- (a) the proposed Global Tourism Hub in Cairns, and
- (b) the proposed Global Tourism Hub in the Gold Coast?

ANSWER:

The Palaszczuk Government is managing market processes delivering global tourism hubs in Brisbane, Cairns and the Gold Coast to leverage private sector investment to create new tourism experiences which will attract more visitors and grow tourism jobs in Queensland.

The first project to be contracted was Queen's Wharf Brisbane – a \$3.6 billion integrated resort development in the heart of Brisbane.

Market engagement for global tourism hubs in Cairns and the Gold Coast are continuing and these projects are expected to leverage many hundreds of millions of dollars in private investment and create more than 8,000 jobs.

Expenses are funded entirely from within the departmental budget and these are:

- a) \$2.9 million
- b) \$2.5 million

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 11

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 20 of the DITID Service Delivery Statement outlining the government's resource investment in international markets, will the Minister provide a breakdown by region and financial year for each of the 13 markets Tourism and Events Queensland has a presence in for:

- a) marketing expenditure,
- b) salaries, and
- c) all other expenses from 2015-16 to date?

ANSWER:

The Tourism and Events Queensland (TEQ) marketing approach is highly focussed on addressing market and consumer behaviours.

TEQ's balanced portfolio approach aims to connect consumers with Queensland's destinations, capitalising on emerging opportunities while maintaining traditional markets – ensuring longer term growth and a greater market share for Queensland tourism.

TEQ is able to continue to market Queensland internationally because the Palaszczuk Government continues to provide ongoing funding to the statutory body. In this year's State Budget, a further \$48.1 million has been allocated to TEQ to continue the four-year, \$400 million tourism funding guarantee. This takes our investment in TEQ to \$896 million since this Government was elected in 2015.

TEQ's investment in international markets is detailed in the table below.

	2015-16		2016-17		2017-18		2018-19 (unaudited)	
	Marketing Expenditure	Salaries and other Expenses ^{2,3}	Marketing Expenditure	Salaries and other Expenses ^{2,3}	Marketing Expenditure	Salaries and other Expenses ^{2,3}	Marketing Expenditure	Salaries and other Expenses ^{2,3}
Americas	\$1 413 550	\$47 964	\$1 675 509	\$50 716	\$2 323 210	\$55 863	\$2 625 837	\$40 127
Europe	\$1 331 435	\$-	\$1 495 799	\$-	\$1 667 355	\$-	\$1 584 372	\$-
Hong Kong SAR	\$352 820	\$203 994	\$332 870	\$166 200	\$327 415	\$120 102	\$126 124	\$164 416
India	\$403 180	\$-	\$446 523	\$-	\$556 252	\$-	\$554 200	\$-
Japan	\$903 335	\$634 022	\$740 849	\$657 312	\$865 667	\$605 727	\$1 393 010	\$648 042
Korea	\$480 111	\$111 579	\$397 764	\$141 998	\$383 284	\$156 734	\$242 179	\$154 448
Mainland China	\$1 657 861	\$433 979	\$1 374 704	\$628 388	\$1 348 962	\$661 706	\$1 690 628	\$829 986
New Zealand	\$1 305 985	\$283 864	\$1 141 198	\$263 522	\$892 064	\$198 363	\$529 725	\$148 488
Singapore, Malaysia, Indonesia	\$1 297 936	\$556 045	\$1 213 972	\$606 436	\$1 166 699	\$603 516	\$794 380	\$648 034
Taiwan Region	\$141 560	\$180 899	\$139 324	\$143 860	\$137 101	\$147 977	\$129 381	\$148 052
United Kingdom, Ireland & Nordic	\$1 785 143	\$-	\$1 629 211	\$-	\$1 721 405	\$-	\$1 628 245	\$3 727
Multi Markets ⁴	\$1 541 616	\$710 619	\$836 197	\$606 326	\$1 682 477	\$524 579	\$597 301	\$712 431
Special Initiative Funding ^{1,2}	\$2 123 003	\$-	\$1 695 731	\$88 468	\$10 677 985	\$653 634	\$6 793 116	\$654 789
TOTAL	\$14 737 535	\$3 162 965	\$13 119 651	\$3 353 226	\$23 749 876	\$3 728 201	\$18 688 498	\$4 152 540

¹ TEQ provides special initiative funding for marketing Queensland to international markets for aviation attraction programs such as the Attracting Aviation Investment Fund and *Advance Queensland: Connecting with Asia Strategy*.

² Special Initiative Funding Salaries and other Expenses between 2016-17 and 2018-19 include salaries and operational costs relating to the Connecting with Asia Program funded through Asia Boost.

³ Other expenses includes office accommodation lease, electricity, insurance, information technology and other operational costs.

⁴ Multi Markets expenditure includes international market related programs that relate to two or more international markets and salaries and other expenses relating to staff that oversee and lead multiple international markets.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 12

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 25 of the DITID Service Delivery Statement, income statement major variation 1, will the Minister detail the budgeted and actual expenditure for the Connecting with Asia Strategy over the 2018-19 financial year?

ANSWER:

One of the best ways to grow international visitation to Queensland is to improve access with more direct flights.

The Palaszczuk Government has secured 25 new and additional international flights bringing approximately 2.9 million additional seats to Queensland worth an estimated \$2.1 billion in overnight visitor expenditure. This is five times more seats supported and six times more in estimated overnight visitor expenditure than under the former Newman government.

The Palaszczuk Government's \$33.5 million Connecting with Asia Strategy is focussed on maximising the opportunities presented by the growing Asia tourism market to Queensland. Tourism and Events Queensland are responsible for the delivery of a number of projects under the Connecting with Asia Strategy.

The below table details the Connecting with Asia contribution to the Grants and Other Contributions line on page 22 of the Service Delivery Statement:

Connecting with Asia	2018-19 Budget	2018-19 Est Actual
Total	\$8 403 000	\$7 869 000

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 13

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 4 of the DITID Service Delivery Statement, working with the Department of Environment and Science to progress ecotourism development. Noting that the Department of Environment and Science has no target to increase overnight camper stays hosted on national parks and forests, will the Minister detail:

- a) what service standards will measure this work's success, and
- b) all key performance indicators relating to this work?

ANSWER:

I can advise, given the first eco trail to be delivered through the Queensland Ecotourism Trails program is not expected to open until the second half of 2020, the Department of Environment and Science has not increased the 2019-20 Service Delivery Statement target for camper nights hosted at national parks.

Delivery of ecotourism infrastructure within Queensland's national parks will be assessed, delivered and benchmarked for each project. Market processes, stakeholder engagement, business case modelling and other such assessment processes will set the metrics and standards.

The Queensland Ecotourism Trails program will sustainably deliver new, world-class nature-based experiences that not only attract more high value travellers, but also create important opportunities for our First Nations Peoples and contribute to the conservation of our protected area estate.

For example, the \$41.7 million Wangetti Trail has been projected to produce up to \$300 million in benefits for the region, with more than 11 000 walkers and mountain bike riders each year, sustaining 225 jobs.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 14

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 6 of the DITID Service Delivery Statement, what is the Palaszczuk Government doing to position Queensland as a national leader in the development of drone technology and trusted autonomous systems?

ANSWER:

Queensland is emerging as a national and international hub for research and development of drone technologies. Queensland's remote areas and extreme conditions have led to evolving expertise in robotics and unmanned aerial vehicles.

The Queensland Drones Strategy is the first of its kind in Australia and is leading the way in its whole-of-government strategic vision and broad focus, attracting investment, industry development, research and development and service delivery improvement, and enhancing the lives of Queenslanders.

Through Advance Queensland, the Queensland Government is funding two major projects to position the state as a leader in the development of drone technology and trusted autonomous systems.

The Defence Cooperative Research Centre for Trusted Autonomous Systems (DCRC TAS) is a multi-million dollar national initiative to develop drone and robotics technology for use by the Australian Army, Navy and Air Force. The Queensland Government won the bid to host the centre, a testament to Queensland's ongoing commitment to the creation of defence jobs and the build-up of a critical mass of expertise in the development of autonomous systems research and development.

The department is investing \$15 million towards the DCRC TAS over six years, which is part of the broader Queensland Government package of \$51 million to match the Australian Government's \$50 million contribution.

The Palaszczuk Government has also supported Boeing in conducting its largest autonomous systems development program outside of the United States. Boeing's Advanced Autonomy Platform Technology Project is developing new autonomous systems capability in Queensland to increase the independent operation of autonomous vehicles, creating an exportable product for the global market. Over 130 jobs will be supported through this project, not only growing Boeing's Queensland workforce, but more importantly growing Queensland's expertise in this highly-skilled autonomous space. This aligns strongly with the Government's determination to foster new and highly skilled industries in Queensland.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 15

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 7 of the DITID Service Delivery Statement, as a result of the Palaszczuk Government's Advance Queensland investment, what innovation hubs have been supported in regional Queensland and how are these helping to grow the innovation ecosystem?

ANSWER:

Increasing the ability of regional businesses to translate their ideas into high demand products and services can help drive growth in existing industries and develop new industries in regional Queensland, such as Agtech and renewable energy solutions.

The new Regional Startup Hubs Support Program builds on the Advancing Regional Innovation Program to provide funding support to regionally based startup hubs and groups in Queensland.

This program is designed to help these startup hubs build their local capability to deliver programs and activities that will build the knowledge and skills of local innovators.

Twenty successful applicants across regional Queensland have shared in \$1.3 million funding.

Seventeen startup hubs have been awarded up to \$75 000 in funding over three years with three hubs receiving \$7 500 over one year as Tier 2 recipients.

Startup hubs play an important role in helping regional business owners to develop their ideas and business models.

The startup hubs provide much needed access to early stage business advice, mentoring and investment. Funding is provided for part-time administration support, networking activities, startup weekends and events and education and skills programs to support local startups.

Locations of Regional Startup Hubs Support Programs include:

- Noosaville
- Tewantin
- Ipswich
- Rockhampton
- Manunda (Cairns)
- Sippy Downs
- Robina
- Kalkie (Bundaberg)
- Bundaberg
- Maroochydore
- Cairns
- Toowoomba
- Yeppoon
- Mackay
- Woodridge
- Gladstone
- Samford
- Sunshine Coast
- Atherton
- Craginish (Maryborough).

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 16

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 6 of the DITID Service Delivery Statement, how many new jobs have been supported through the Palaszczuk Government's Advance Queensland investment?

ANSWER:

The Palaszczuk Government's \$755 million Advance Queensland program is helping create jobs, generate new economic opportunities and develop the knowledge-based jobs of the future.

Since July 2015, \$503 million has been committed through Advance Queensland to back more than 5200 innovators. Their projects are supporting more than 16 400 jobs, with more than 7400 of these based in regional Queensland.

Innovation is critical to building and diversifying Queensland's economy, helping to retain existing jobs and create new jobs. It strengthens our traditional industries while creating new industries, skills and jobs.

The draft *Building Our Innovation Economy – Advance Queensland Strategy* will guide the next phase of innovation policy and action in Queensland. The Strategy outlines how the Palaszczuk Government will create jobs by partnering with the private sector and supporting innovation in our traditional strengths such as agriculture, resources and manufacturing and also encourage new industries.

The Palaszczuk Government is determined to support regional Queensland to use innovation to create new jobs and opportunities and will work with startups to help them scale-up and successfully commercialise their ideas so they stay in our state.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 17

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 6 of the DITID Service Delivery Statement, would the Minister please advise how much in innovation funding was utilised in the last 12 months for social innovation to address the crises of homelessness and affordable housing and how much is available in this budget for projects such as these?

ANSWER:

The Palaszczuk Government is committed to reducing homelessness in Queensland and knows innovation will have an important role to play.

The Palaszczuk Government is investing \$1 million this year for a new Queensland Social Enterprise Strategy. The Strategy will support the further development and growth of the social enterprise sector in Queensland to create jobs, support inclusive and diverse workforce participation and deliver social impact outcomes.

The Queensland Social Enterprise Council has already received \$240,000 in funding from the Queensland Government to help develop the growing sector and support a bid for the 2021 Social Enterprise World Forum. The Strategy will build on this work.

Social enterprise like The Hope Street Café, run by Micah Projects, received \$226,000 under Skilling Queenslanders for Work to provide training through their Hope Street Café. The Café aims to provide a space for people to connect and a pathway into the workforce.

Through Advance Queensland, the Palaszczuk Government is working with social enterprises like Brisbane-based Orange Sky, which is leading innovations to improve social outcomes, including homelessness.

Orange Sky developed an app to better coordinate the thousands of volunteers who work with charities and community groups to provide food, health, hygiene, and housing to people experiencing homelessness.

The Palaszczuk Government also funded the Australian-first Circular Economy Lab. This included a partnership with Queensland startup Movis, Lend Lease and Fisher and Paykel to identify new ways to make housing more affordable.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No.18

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 6 of the DITID Service Delivery Statement in relation to Advancing Queensland through Innovation, can the Minister outline the advertising and promotional expenditure in 2018/19 and the budget in 2019/20 (reported separately) for:

- a) television advertising of Advance Queensland or specific grant funds and programs,
- b) newspaper advertising of Advance Queensland or specific grant funds and programs,
- c) social media advertising and promotional posts of Advance Queensland or specific grant funds and programs, and
- d) any other form of advertising or promotional expenditure of Advance Queensland or specific grant funds and programs?

ANSWER:

In relation to the Queensland Government's whole of government Advance Queensland agenda, I'm advised the department spent no funding on television or newspaper advertising and \$2,800 on social media.

\$55,900 was spent on other forms of advertising and promotional expenditure.

Communication and engagement activities for 2019-20 are being finalised.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No.19

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

With reference to page 2 of the DITID Service Delivery Statement in relation to the Departmental Overview and the government-funded grants through Advance Queensland, can the Minister advise the level of scrutiny applied to program recipients in terms of:

- a) the results of the internal and external audits undertaken over the past three years
- b) the incidence of fraud detected and adverse findings
- c) whether the Government's investment delivered on the stated objectives and delivered value for taxpayer dollars?

ANSWER:

Internal audits of Advance Queensland (AQ) grant programs and recipients were conducted in 2016 and 2017. I am advised these audits identified a sound system of internal controls that mitigated risk. The Queensland Audit Office also conduct business and financial audits annually.

I am advised there have been no incidents of fraud detected in relation to any programs.

Professor Josh Lerner's report commissioned by the Newman Government in 2014 outlined a blueprint for a program that would nurture entrepreneurial talent and establish a startup ecosystem in Queensland. The Government's investment is already delivering value for taxpayer dollars and delivering on those stated objectives. Queensland is being recognised as the startup state and experts in innovation. Queensland now has more startups than Victoria and the recently elected conservative South Australian Government has already sought Queensland's advice and assistance regarding Advance Queensland and an Office of the Chief Entrepreneur.

As at 30 June, Advance Queensland is backing more than 5200 innovation projects which are directly supporting more than 16 400 jobs.

| The Government will continue to track how the investment into Advance Queensland is delivering on its objectives and ensuring value for taxpayer dollars.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

2019 ESTIMATES PRE-HEARING

QUESTION ON NOTICE

No. 20

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR INNOVATION AND TOURISM INDUSTRY DEVELOPMENT AND MINISTER FOR THE COMMONWEALTH GAMES (HON K JONES) —

QUESTION:

In relation to page 7 of the DITID Service Delivery Statement Service Area objectives, specifically to improving the quality and speed of the internet in Regional Queensland through the FibreCo Queensland, can the Minister outline:

- (a) the budget for this initiative,
- (b) the timeframe for implementation, and
- (c) the benefits likely to flow to regional Queenslanders through the introduction of greater competition?

ANSWER:

From 1 July 2019 FibreCo Queensland is now up and running in Queensland.

It's a new state-owned entity jointly operated by Powerlink Queensland and Energy Queensland and delivers on our election commitment to unlock thousands of kilometres of government-owned fibreoptic cable.

A strong, reliable internet connection is crucial when it comes to growing businesses, exporting overseas and creating jobs. The Palaszczuk Government knows providing more backhaul capacity can make the internet faster, more reliable and more accessible for regional Queenslanders.

The FibreCo Queensland Board held its first meeting on 26 July 2019 where Mr Greg Young was appointed Chair.

In 2019-20, this Government is investing \$3.8 million in FibreCo Queensland. The first major job for FibreCo Queensland will be to connect the government-owned fibre to the NBN. This will happen at six regional centres: Toowoomba, Bundaberg, Rockhampton, Mackay, Townsville and Cairns.

Questions on notice and responses – *Minister for Environment and the Great Barrier Reef, Minister for Science and Minister for the Arts*

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 1

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

Will the Minister advise how the Queensland Government is growing the protected area estate in Queensland?

ANSWER:

I thank the Committee for the question.

Since 2015, the Queensland Government has increased the size of the protected area estate by over one million hectares — up from 7.5% to 8.2% of the State.

The Department of Environment and Science (DES) has scheduled the dedication of four acquired properties totalling 4,118 hectares as public protected area tenure in the first quarter of 2019-20. A number of additional properties totalling approximately 73,000 hectares are anticipated for dedication as public protected areas during the balance of 2019-20.

In terms of private protected area expansion, 43 nature refuges have been declared since February 2015. In March 2019, the Queensland Government passed legislation to introduce a new class of private protected area; special wildlife reserves. Special wildlife reserves will give national park level protection to privately-owned areas of outstanding conservation value.

The 2019-20 Budget includes \$15.1 million operating funds over four years (from 2019-20) and \$975,000 per annum (ongoing from 2023-24) for the continuation of the Cape York Peninsula Tenure Resolution Program and Joint Management with Traditional Owners programs which contribute to the expansion of the protected area estate.

In addition, the 2019-20 Budget includes \$11.3 million to enable DES to progress priority acquisitions for protected areas in southern Queensland and \$6 million in the Cape York Peninsula Tenure Resolution Program for land acquisitions.

A further \$12.5 million will be invested in 2019-20 for the Revitalisation of National Parks including \$10 million towards the capital works program to upgrade infrastructure.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 2

Asked on Friday, 28 June 2019

**THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT
COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE
GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR
THE ARTS (HON L ENOCH)—**

QUESTION:

Will the Minister outline the average time taken to resolve problem crocodile declarations in 2018-2019?

ANSWER:

I thank the Committee for the question.

In 2018-19, 61 per cent of problem estuarine crocodile declarations were resolved within 24 hours, however, the average time taken to resolve those declarations was 13 days.

The SDS performance measure for 2019-20 is that the median time taken to resolve declared problem crocodiles will not exceed seven business days. This performance measure was amended to better reflect the effectiveness of the Department of Environment and Science's crocodile management program, is consistent with Queensland Audit Office guidance on service level output objectives, and is recognised as being a more statistically robust measure.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 3

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

Will the Minister advise the powers, rights and responsibilities local governments have to manage flying fox roosts in Queensland?

ANSWER:

I thank the Committee for the question.

In 2014, the former LNP Government amended the Nature Conservation (Wildlife Management) Regulation 2006 (the Regulation) to give local governments as-of-right authority to use non-lethal measures in managing flying-fox roosts in urban flying-fox management areas, provided they comply with the 'Code of Practice – Ecologically sustainable management of flying-fox roosts' (the Code) for that activity.

This means councils are empowered under the legislation to conduct roost management activities without needing a permit from the Department of Environment and Science (the department), if they choose to do so.

It should be noted that under the Regulation, the department cannot oblige a council to act under its as-of-right authority. If a council does commit to roost management activities under the Code, it has a number of actions at its disposal including destroying a roost, dispersing the roost, or modifying a part of a roost through tree trimming and/or removal of roost trees.

In addition to the local government as-of-right authority to manage flying-fox roosts, councils also have the option to apply for a flying-fox roost management permit, should they wish to conduct flying-fox roost management activities outside of an urban flying-fox management area, or use roost management techniques that are different to those outlined in the Code.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 4

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

Can the Minister advise how access to the Container Refund Scheme is being improved for regional Queensland?

ANSWER:

I thank the Committee for the question.

Since the Container Refund Scheme commenced on 1 November 2018, over 300 container refund points have now been established and are operational across the State, with more than 80 per cent located outside the Brisbane City Council local government area.

Container Exchange, the not-for-profit company appointed to run the scheme, is required to establish at least 307 container refund points by 1 November 2019. These sites allow people to return containers and access the refund, or donate the refund to their chosen charity, school or community group, in regional and remote areas.

Queensland's container refund point (CRP) network is made up of a range of service delivery options including permanently staffed depots, bag drops, reverse vending machine depots and mobile refund points, which provides the needed flexibility to deliver appropriate services to communities in metropolitan and regional areas.

Mobile and permanent refund points now operate in regional towns including Hughenden, Richmond, Julia Creek, Charleville, Wandoan, Tara and Kogan.

On Cape York, for example, there are now 22 operational CRP sites, and a new container processing facility that has also been established in Weipa.

The approach taken in providing a range of different refund point operations has provided a best fit that allows large and small communities to access the refund, with mobile and pop-up refund points playing a significant part in scheme delivery in remote areas.

Areas of the State without access to a CRP are being prioritised for assessment and identification of people or businesses interested in operating a site. This work will continue beyond 1 November 2019 to ensure that communities have convenient and reasonable access to refund points.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 5

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

Can the Minister explain how the Queensland Government is supporting businesses and the construction industry with the introduction of the waste levy?

ANSWER:

I thank the Committee for the question.

The Queensland Government is supporting businesses through its established ecoBiz program, funded by the Queensland Government and coordinated by the Chamber of Commerce and Industry Queensland. EcoBiz provides free tailored advice to businesses on reducing their waste, energy and water costs. An additional \$1.8 million on top of the existing \$3.9 million has been allocated to expand ecoBiz to provide this extra support.

The Queensland Government is also supporting businesses and councils through funding programs designed to assist with the introduction of the waste levy and encourage better waste management. These include:

- \$2 million over two financial years commencing in 2019-20 to support the construction and demolition industry to identify and implement efficiencies in business practices that reduce waste.
- \$100 million over three years commencing in 2018-19 for the Resource Recovery Industry Development Program, administered through the Department of State Development, Manufacturing, Infrastructure and Planning. Facilities that collect, sort and process construction and demolition can apply for this funding.
- \$6 million over two years commencing in 2019-20 to help offset the higher costs of transporting recyclable materials from regional areas.

In June and July 2019, the Department of Environment and Science has been delivering information sessions to businesses and community organisations across the State. Sessions have been delivered up and down the coast and inland to Roma and Mount Isa. Businesses have been encouraged to look at how they can reduce waste, separate waste streams and recycle more, to help reduce costs of sending waste to landfill.

The department continues to provide information for businesses through its website, social media campaigns and in its regular e-newsletters.

Information packs for local councils have also been distributed with shareable content for businesses and the broader community. I would like to take this opportunity to thank all the mayors, councillors and council officers who have greatly assisted in discussing the levy in their communities.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 6

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

Can the Minister outline the important work Queensland Parks and Wildlife Service undertakes to protect the estate it manages, and the community, from bushfires?

ANSWER:

I thank the Committee for the question.

The Department of Environment and Science (DES) takes its obligations to manage parks and forests very seriously, with priority given to protecting life and property, particularly where urban and rural communities adjoin our parks and forests. DES, through the Queensland Parks and Wildlife Service, monitors bushfire risk and fire danger conditions across the land it manages to ensure rapid response to any bushfire event. DES employs a number of techniques to manage bushfire risk including carrying out regular planned burns to reduce fuel loads and lessen the impact of bushfires in preparation for the annual bushfire season.

The devastating bushfires experienced by Queenslanders at the end of last year were unprecedented. In late November 2018, several areas in Queensland experienced catastrophic fire weather conditions for the first time on record. The Bureau of Meteorology issued the catastrophic fire warnings, taking into account factors such as humidity levels, wind speed, previous rainfall, and temperature.

The 2018 Queensland bushfire conditions were anticipated by climate change models for Queensland and the science indicates these conditions will be experienced regularly in years to come.

DES works with emergency services, neighbours, lessees and Traditional Owners to encourage a landscape wide approach to fire management.

In 2018/19 QPWS conducted planned burns over more than 1 million hectares which is the largest area covered for the last five years.

Due to the likelihood of more severe future climatic conditions, the Queensland Government has allocated an additional \$16 million over four years commencing in 2019-20, and \$2.6 million per year ongoing, to provide improved capability for bushfire management in Queensland's parks and forests.

This initiative is primarily focused on taking practical steps to improve the containment of wildfires on Queensland Parks and Wildlife Service managed land in strategic locations across Queensland.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 7

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

How is the Queensland Government supporting local councils to ensure there is no direct impact on households from the waste levy?

ANSWER:

I thank the Committee for the question.

Queensland's waste levy will support the growth of the waste and resource recovery industry, as well as promote more jobs in recycling.

The levy zone includes 39 out of 77 local government areas. This covers around 90 per cent of Queensland's population and is where the majority of waste is generated and disposed.

To ensure the waste levy has no direct impact on households, the Queensland Government is providing annual payments to those councils that dispose of municipal solid waste to landfills in the levy zone. A total of 43 councils are eligible for the annual payments—39 located inside the levy zone and four (Cook, Wujal Wujal, Yarrabah and Palm Island councils) located outside the levy zone, but that dispose of waste in the levy zone.

The total amount paid to councils for 2019-20 is \$143.5 million. Each council's annual payment is 105% of the calculated levy liability for municipal solid waste in a given financial year. As the levy applies to waste disposed to landfill, councils and their communities that reduce their waste to landfill may receive a windfall from the payment.

In the lead-up to the levy starting, the Queensland Government supported local councils and businesses through two grant programs — the \$5 million Local Government Levy Ready Grants Program (LGLRGP) and the \$100 million Resource Recovery Industry Development Program (RRIDP).

Delivered in 2018-19, the LGLRGP provided funding to assist local councils with necessary infrastructure upgrades to their waste disposal facilities prior to the levy starting. The LGLRGP was administered by the Department of Local Government, Racing and Multicultural Affairs.

The RRIDP provides funding over three years from 2018-19 with the intent to develop a high-value resource recovery and recycling industry. Under the program, local governments, established businesses and not-for-profit organisations looking to employ proven technologies for resource recovery can apply for funding and other support to improve existing operations or bring significant new facilities to Queensland. The RRIDP is administered by the Department of State Development, Manufacturing, Infrastructure and Planning.

Since October 2018, DES has been delivering workshops and information sessions to local councils across the State. Over this time, more than 35 workshops and sessions have been delivered, from Cairns south to the Gold Coast and inland to Roma, Emerald and Mount Isa.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 8

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

Can the Minister advise what the Queensland Government has done to ensure compliance with the Waste Levy?

ANSWER:

I thank the Committee for the question.

The introduction of the waste levy is part of the Queensland Government's new waste management and resource recovery strategy designed to increase recycling and recovery rates, and create jobs. In order to avoid increases in illegal dumping, the Queensland Government has provided an additional 16 compliance officers (on top of the 145 existing staff) to undertake specific waste levy compliance.

The Department of Environment and Science (the department) has already commenced inspections of landfills to ensure they meet waste levy requirements. As at 29 July 2019, the department has conducted 90 levy inspections across the State. The department will undertake further activities that involve intercepting waste vehicles and utilising drones to ensure environmental compliance.

The department is taking a whole of government approach to levy compliance. This includes establishing partnerships with other relevant State Government departments to coordinate action in relation to waste levy compliance. The department is also establishing partnerships with local governments by supporting additional compliance staff specifically to address any increase in illegal dumping.

The department has developed a framework to ensure compliance with the waste levy. The compliance framework utilises information from databases, satellite imagery and intelligence sources to prioritise compliance activities, monitor high-risk sites and inform the activities of compliance officers. Implementing the compliance framework will provide community and industry confidence in the waste levy system, and support operators to understand how to comply with waste levy requirements.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 9

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

The Department of Environment and Science as regulator, needs to make timely decisions and provide certainty to proponents. Can the Minister outline how the Department of Environment and Science (DES) fulfils this role, for example in relation to the Environmental Impact Statement processes?

ANSWER:

I thank the Committee for the question.

As Queensland's environmental regulator, the Department of Environment and Science (the department) plays a vital role in ensuring that the State's unique environmental and heritage values are protected now and into the future.

The department works closely with proponents, members of the community and other relevant stakeholders during assessment and decision processes (including for Environmental Impact Statements or EISs) in order to provide clarity around information requirements, timeframes and decision-making criteria.

In relation to an EIS, statutory timeframes, listed in chapter 3 of the *Environmental Protection Act 1994* (EP Act), apply at each step of the process to both project proponents and the department. The statutory timeframe for the department to complete all the steps associated with the EIS assessment totals 30 weeks.

For the six EIS assessments completed since January 2015, the average assessment timeframe for the department has been 23 weeks (shorter than the statutory 30 week assessment timeframe provided by the EP Act).

The average timeframe taken by proponents to prepare an EIS for these projects was 103 weeks, which demonstrates the level of technical complexity involved in these documents. The EIS process also includes a statutory minimum of 12 weeks for public notification.

In addition, there are a range of environmental authority (EA) applications that are not processed via the EP Act EIS process. The EP Act sets out the requirements for assessment of these EAs including timeframes for decisions to ensure transparent and timely decision making.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 10

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES Service Delivery Statement page 11, would the Minister please advise what measures and funding increases are allocated this budget to better protect, manage and provide services for National Parks such as Noosa and Great Sandy that host large visitor numbers, and when a review will take place to assess funding models?

ANSWER:

I thank the Committee for the question.

Supported by the initial \$35 million for the Revitalising National Parks program, \$2.49 million of works will have been invested in capital improvements to visitor facilities at Noosa National Park over the last three years from 2017-18.

As part of the additional \$10 million allocated in the 2019-20 Budget for the Revitalising National Parks program, the Palaszczuk Government is investing further funds in the following projects in the Sunshine and Fraser Coast regions:

- \$1 million to upgrade visitor facilities at Inskip Point; and
- \$1 million to Great Sandy National Park for dingo fencing and visitor facility upgrades.

Management planning has commenced in partnership with the Butchulla and the Kabi Kabi First Nations peoples for the Great Sandy and Noosa National Parks. This will provide for a contemporary, values-based approach to managing these iconic areas – with a strong focus on First Nations connection to Country, protecting natural and cultural values and enhancing ecotourism opportunities.

Compliance activities across Noosa National Park include scheduled weekend patrols and incidental call-outs when required. In particular, the Queensland Parks and Wildlife Service works cooperatively with the Noosa Shire Council in relation to management and compliance of car parking and illegal camping within Noosa National Park.

The Great Sandy National Park compliance activities comprise of weekend, and public and school holiday targeted compliance patrols, commercial operator checks and additionally, camper dingo briefings. The Queensland Parks and Wildlife Service works cooperatively with the Queensland Police Service and other agencies in relation to the management of visitors in both the Cooloola and K'gari sections of Great Sandy National Park

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 11

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES Service Delivery Statement, page 34 major balance sheet variation number 23 relating to IT assets, will the Minister provide a detailed breakdown of budgeted and actual expenditure on IT per financial year for 2016–17, 2017–18, and 2018–19?

ANSWER:

I thank the Committee for the question.

The Department of Environment and Science was established on 12 December 2017. The following table represents the breakdown of budgeted and actual expenditure on IT capital software for the department for the periods 2017–18 (12 December 2017 – 30 June 2018), and 2018–19 (1 July 2018 – 30 June 2019):

2017-18 Estimated Actuals* Budget	2017-18 Actual*	2018-19 Estimated Actuals Budget	2018-19 Actual**
Million	Million	Million	Million
\$4.386	\$3.410	\$6.416	\$5.096

* For the period 12 December 2017 – 30 June 2018.

** Note that the financial ledger for 2018-19 has not yet closed and actuals have not yet been audited by the Queensland Audit Office.

As described in the SDS reference mentioned in the question – the increase is due to planned development of IT system assets.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 12

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES departmental budget summary on Service Delivery Statement page 23, will the Minister provide a detailed breakdown of all overseas related travel departmental expenses (in table format, per financial year and per country) for 2015–16, 2016–17, 2017–18, and 2018–19?

ANSWER:

I thank the Committee for the question.

In accordance with the Queensland Government's Air Travel Policy, only overseas travel considered essential to agency and/or government objectives is approved and only then after all other avenues of gaining the relevant knowledge or the experience have been considered.

In accordance with the Annual Report requirements for Queensland Government agencies, information in relation to overseas travel expenditure is reported through the Queensland Government Open Data portal at the same time an agency's annual report is tabled in the Parliament.

Information on prior years' departmental overseas travel, including prior to the department's establishment on 12 December 2017, can be found on the Open Data portal at <https://data.qld.gov.au/>.

2018-19 overseas travel for the Department of Environment and Science (DES) is reflected in the following table:

Destination	Number of trips	Total Agency cost (\$)	Total Contribution from External Sources (\$)
Brazil	3	1,732.00	4,903.00
Chile	1	6,848.10	-
China	3	11,916.43	2,500.00
Denmark / Germany	1	8,223.14	-
Geneva	1	4,763.81	-
Greece	1	3,968.26	-
Italy	2	7,496.06	-
New Zealand	3	3,499.60	1,834.00
Singapore*	1	-	-
Thailand	2	7,677.13	-
United States of America	5	43,519.44	-
TOTAL	23	99,643.97	9,237.00

*Officer attended conference at own travel cost.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 13

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES Service Delivery Statement, page 11, service standard relating to area of Queensland Parks and Wildlife Services managed estate with fuel loads reduced by planned burning, will the Minister advise what the actual hectares burnt were over 2016-17, 2017-18 and 2018-19?

ANSWER:

I thank the Committee for the question.

The actual hectares of Queensland Parks and Wildlife Service (QPWS) estate burnt within planned burn programs over the last three financial years is:

- 2016/17: 694,958 hectares burnt (target was 630,000 hectares);
- 2017/18: 942,680 hectares burnt (target was 632,000 hectares); and
- 2018/19: 1,030,232 hectares burnt (target was 634,800 hectares).

This information can be found in departmental annual reports.

Over the last five years, QPWS has consistently achieved its planned burning target, however with our changing climate; we have recently experienced unprecedented fire conditions in areas of Queensland.

To keep ahead of these environmental changes the Queensland Government has shown strong commitment to support bushfire management in our parks and forests by allocating a further \$16 million over four years, and \$2.6 million per year ongoing. This funding is primarily focused on taking practical steps to reduce the risk of bushfire to neighbouring communities.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 14

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES Service Delivery Statement, page 11, service area highlight to conserve Queensland koalas, will the Minister detail all recorded koalas found and/or treated in Queensland for 2017-18 and 2018-19?

ANSWER:

I thank the Committee for the question.

Data on koalas coming into care throughout Queensland is recorded and managed through the Department of Environment and Science's (DES) database, KoalaBase.

In 2017-18, 1,067 koalas arrived at a wildlife hospital for assessment and care.

In 2018-19, 976 koalas arrived at a wildlife hospital for assessment and care.

In 2018-19, DES provided \$1.5 million to the South East Queensland Wildlife Hospital Network to support the treatment and rehabilitation of sick and injured wildlife (including koalas). The network consists of the Currumbin Wildlife Hospital, RSPCA Wildlife Hospital and Australia Zoo Wildlife Hospital in addition to the DES operated Moggill Koala Rehabilitation Centre.

This funding is being continued in 2019-20 together with support for the continued operation of the RSPCA 24/7 wildlife hotline 1300 ANIMAL (1300 264 625).

The Government has allocated an additional \$729,000 in 2019-20 to support the ongoing operations at the Moggill Koala Rehabilitation Centre, the Daisy Hill Koala Centre and to increase the level of support for the RSPCA 1300 wildlife hotline by \$200,000.

\$816,000 over two years from 2019-20 has been allocated to refurbish the Moggill Koala Rehabilitation Centre to enhance its capacity as a specialist rehabilitation centre supporting the South East Queensland Wildlife Hospital Network.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 15

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES Service Delivery Statement, pages 5, 10, 14 and 19 staffing numbers:

Will the Minister detail in table format the number of

- a) front line, and
- b) non-front line staff by individual Queensland region?

ANSWER:

I thank the Committee for the question.

The number of estimated actual front line staff in the Department of Environment and Science (DES) is 89.9% of total staff, excluding Arts Queensland and the Corporate Administration Agency (which were not included in the Committee's question). Of this, 51.3% of front line staff are located outside of the Brisbane region.

Front line staff are those that deliver services directly to the public and are non-corporate services roles that provide essential support, enabling the effective delivery of front line services.

DES is a predominantly front line service delivery organisation consisting of five service delivery divisions as well as the Wet Tropics Management Authority, the Office of the Queensland Chief Scientist, and a centralised corporate service. Each division employs a variety of front line positions and a small proportion of support staff that provide business services to those front line positions.

Front line occupations include:

- Rangers and wildlife officers across the Queensland Parks and Wildlife Service;
- Programme or Project administrators who deliver priorities such as: revitalising national parks, Great Barrier Reef Joint Field Management Program, Accelerating Science Delivery Innovation and environmental waste programs;
- Environmental consultants predominantly located in the Environmental Services and Regulation division conducting environmental impact assessments; and
- Environmental and research scientists in the Science and Technology division.

The table below outlines the composition of DES front line and non-front line staff by individual Queensland region as at 21 June 2019.

Department of Environment and Science staff FTEs estimated actuals¹

Region²	Frontline staff	Non-front line staff³
Brisbane	1,221.53	271.81
Central Queensland	165.51	-
Darling Downs	123.12	6.00
Far North Queensland	357.01	4.00
Gold Coast	70.18	-
Ipswich	23.81	-
Logan	10.93	-
Mackay-Whitsunday	66.03	-
Outback Queensland	67.38	-
Sunshine Coast and Moreton Bay	145.85	0.80
Townsville	100.70	-
Wide Bay	156.26	-
Total FTE	2,508.31	282.61

¹ Estimated actuals as at pay period ending 21 June 2019, excluding staff on leave without pay and CAA and Arts Queensland staff. FTEs reflected in the SDS for 30 June 2019 are an estimate. Any difference principally reflects position being actively recruited or staff on leave without pay.

² Regions are mapped by post code to State Government Region as per State Budget Papers.

³ Non-front line staff are those that are identified as providing a Corporate function as per Public Service Commission definitions <https://www.forgov.qld.gov.au/sites/default/files/mohri-workforce-definitions.pdf>

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 16

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES departmental budget summary on Service Delivery Statement, page 23, will the Minister advise the total annual expenditure relating to conferences, workshops, catering and other hospitality expenses by departments and agencies under the administration of the Minister for 2018-19 and the budgeted amount of 2019-20?

ANSWER:

I thank the Committee for the question.

Government departments only host conferences and workshops or public servants attend such events, in accordance with departmental approval processes, and the *Code of Conduct for the Queensland Public Service* would apply to the attendance of public servants at such events. Financial transactions involving departments are annually and independently audited by the Queensland Audit Office.

I am advised that the Department of Environment and Science has recorded expenditure of \$1.8 million relating to conferences, workshops, catering and other hospitality for the 2018-19 financial year.

In relation to the budgeted amount for 2019-20, the department is undertaking its internal budget build and is currently unable to provide this information at the detailed account level.

The department manages a significant and complex regulatory environment.

Conferences and workshops help to inform policy making; improve management of protected areas; develop new science partnerships and knowledge; and attract investment and jobs to Queensland. They facilitate the department's engagement and education with community, industry and key stakeholders (including the resources, business, agricultural and environmental sectors); as well as internal staff, to support important initiatives.

Conferences and workshops benefit Queenslanders by providing an important engagement platform to showcase key departmental activities, and seek feedback which assists the department to improve the services and programs it provides. They enable two-way generation of ideas and foster innovation, and support the development of staff to ensure a public service that is responsive, effective and efficient.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 17

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES departmental budget Service Delivery Statement, page 4, leadership of the Land Restoration Fund, will the Minister advise (by financial year in table format) the amount of:

- a) government funds expended,
- b) private sector funds expended, and
- c) the amount of Australian Carbon Credits Units issued for 2017-18 and 2018-19 and budgeted for 2019-20?

ANSWER:

I thank the Committee for the question.

The flagship \$500 million Land Restoration Fund (LRF) was announced as a 2017 election commitment. Such a significant program requires substantial work to operationalise, and that work has been underway since the election. Good progress has been made, with the first six pilot projects (with a total value of \$1.2 million) announced on 4 April 2019. These pilot projects will feed the pipeline of carbon farming projects that produce priority co-benefits and will include work to: enhance savanna burning activities by Aboriginal communities in Cape York; identify priority sites for blue carbon or restoring threatened species habitat; and better understand how to apply the beef herd method in areas affected by the north Queensland floods.

On 24 July 2019, another six projects with a total value of more than \$4 million were announced under the *Catalysing Action* stream. These projects will focus on restoring tidal connectivity and wetlands; using traditional mosaic and fire-stick farming practices to control non-native species; rainforest restoration techniques; building capacity of First Nations peoples to deliver vegetation management carbon; a vegetation landscape management proof of concept; and increasing koala habitat.

To date, the Department of Environment and Science (DES) has expended \$2.98 million to establish the LRF. DES is drawing on this allocation to invest in priority research and science activities; work with stakeholders; develop LRF governance and legal structures; and commission and assess pilot projects.

It is anticipated that the LRF will attract private sector funding following its establishment with an appropriate governance structure to enable this type of transaction.

DES has entered into, or is currently negotiating, a number of contracts that will result in the issuance of Australian Carbon Credit Units (ACCUs) by the Clean Energy Regulator, which will be purchased by DES under the contracts. ACCUs are delivered and accredited over time as trees grow or soil carbon is improved (the carbon accrues) or the release of carbon is avoided through managing livestock and fire.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 18

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES Service Delivery Statement, page 6, statement to enhance the Environmental Impact Statement assessment process, will the Minister detail (by financial year and in table format) over 2016-17, 2017-18 and 2018-19:

- a) the average annual decision period for standard petroleum and gas assessments,
- b) the average annual decision period for minor petroleum and gas assessments, and
- c) the value of new projects approved to progress under the *Environmental Protection Act 1994*?

ANSWER:

I thank the Committee for the question.

Over the past three financial years, the Department of Environment and Science has not undertaken any standard or minor amendment petroleum and gas assessments, as a direct result of an Environmental Impact Statement being undertaken.

The value of new projects is not a requirement of any application for an environmental authority under the *Environmental Protection Act 1994*.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 19

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

With reference to the DES Service Delivery Statement, page 16, in relation to Arts Queensland, can the Minister detail what arts programs that received funding in 2018-19 will receive less (or no) funding in 2019-20, and how much each of these programs cost in 2018-19?

ANSWER:

I thank the Committee for the question.

There are no arts programs, which received funding in 2018-19, that will receive less or no funding in 2019-20.

In 2018-19 the following amounts were distributed under each program:

- Queensland Arts Showcase Program - \$3.2 million
- Organisations Fund - \$7.64 million
- Playing Queensland Fund - \$1.9 million
- Arts Infrastructure Investment Fund - \$6.95 million.

In 2019-20 the Arts Infrastructure Investment Fund will receive an additional \$5 million over two years (ending in 2020-21) to modernise Queensland Performing Arts Centre's lighting via the installation of energy efficient LED lighting.

**INNOVATION, TOURISM DEVELOPMENT AND
ENVIRONMENT COMMITTEE**

Estimates Pre-Hearing Question on Notice

No. 20

Asked on Friday, 28 June 2019

THE INNOVATION, TOURISM DEVELOPMENT AND ENVIRONMENT COMMITTEE ASKED THE MINISTER FOR ENVIRONMENT AND THE GREAT BARRIER REEF, MINISTER FOR SCIENCE AND MINISTER FOR THE ARTS (HON L ENOCH)—

QUESTION:

Can the Minister outline how events supported by Arts Queensland and the Queensland Government are delivering for Queenslanders?

ANSWER:

I thank the Committee for the question.

The Queensland Government, through Arts Queensland, the arts statutory bodies and arts companies, supports a wide range of arts and cultural events. These events play an important role in delivering positive economic, social and cultural outcomes for Queenslanders, their communities and the State.

Arts Queensland's funding programs support a number of organisations responsible for an array of vibrant arts and cultural events across Queensland, including the Cairns Indigenous Art Fair, Australian Festival of Chamber Music, Woodford Folk Festival, Bleached Arts for the Bleach Festival, and Yarrabah Aboriginal Council for the Yarrabah Band Festival.

These events provide opportunities for Queenslanders by enabling and supporting access to events, enlivening communities, fostering cultural identity and building social engagement.

They also contribute to local economies by supporting job creation and cultural tourism, providing opportunities for Queensland artists and arts and cultural organisations to showcase their work and build audiences, and increasing the attractiveness and liveability of communities.

Major events delivered by State arts companies also encourage community engagement as well as delivering benefits to the economy and support job creation in the sector. In 2018, Major Brisbane Festivals contributed more than \$38 million in the Queensland economy, with more than 1.14 million people attending ticketed and public events.

Exclusive seasons, exhibitions and performances saw Queensland Cultural Centre visitation increase to over 7 million in 2017-18, and its national and international reputation continues to grow.

Events across the Cultural Centre provide visitors with opportunities to engage in activities which may not otherwise be available to them, such as the Queensland Art Gallery | Gallery of Modern Art's *9th Asia Pacific Triennial* (APT9) which saw 4,665 average daily visitors and a total of 718,369 visitors.

APT9 Kids on Tour visited more than 100 regional and remote art galleries, libraries, venues and community centres throughout Queensland from January to April 2019. This series of free events was developed especially for children and families by selected artists from the Gallery's flagship APT9 exhibition.

These exhibits and access to the State's cultural collection foster an environment for learning and understanding of Queensland's cultural and natural heritage.

Use of technology has helped increase the reach of supported events to more Queenslanders. In 2018, the Queensland Performing Arts Centre (QPAC) welcomed Teatro alla Scala Ballet from Italy, the first time the company has performed in Australia. A performance of *Don Quixote* was simulcast live to regional Queenslanders in 10 locations including Mount Isa, Halifax and Townsville.

As part of the 2019 QPAC International Series, more than 2,600 people across regional Queensland experienced a performance by Russia's Bolshoi Ballet direct from Brisbane's Lyric Theatre via a free simulcast.

Additionally, 23,854 people attended performances of *Jewels* and *Spartacus* in Brisbane.

Queensland Government support of arts and cultural events also play a significant role in promoting Queensland on the international stage. The World Science Festival Brisbane, hosted by Queensland Museum is the only extension of the World Science Festival. In 2019 the festival had more than 100 events at six locations across the State, and recorded more than 205,000 visitors - the largest visitation recorded since the event commenced in 2016.

Funding announced in the 2019-20 Queensland State Budget will continue to provide support to arts and cultural events which deliver benefits for Queensland.

Documents tabled at hearing – 31 July 2019

Documents tabled at the hearing – 25 July 2019	
1	Graph - Queensland International Visitor Expenditure - Newman Government - March 2012 to December 2014 tabled by Hon Kate Jones MP, Minister for Innovation and Tourism Industry Development and Minister for the Commonwealth Games
2	Graph - Queensland International Visitor Expenditure - Palaszczuk Government - March 2015 to March 2019 tabled by Hon Kate Jones MP, Minister for Innovation and Tourism Industry Development and Minister for the Commonwealth Games
3	Graph - Queensland Domestic Visitor Expenditure - Newman Government - March 2012 to December 2014 tabled by Hon Kate Jones MP, Minister for Innovation and Tourism Industry Development and Minister for the Commonwealth Games
4	Graph - Queensland Domestic Visitor Expenditure - Palaszczuk Government - March 2015 to March 2019 tabled by Hon Kate Jones MP, Minister for Innovation and Tourism Industry Development and Minister for the Commonwealth Games
5	Newspaper article “for Games guards” tabled by John-Paul Langbroek MP, Member for Surfers Paradise
6	Document "2 Source aquifer(s) of the Doongmabulla Springs Complex (DSC)" tabled by Michael Berkman MP, Member for Maiwar

Queensland-International Visitor Expenditure

Newman Government

Tabled by: Minister Jones
At: 9.32 am
Time/date: 31 July 2019
Signature: [Signature]

\$7,000m

\$6,500m

\$6,000m

\$5,500m

\$5,000m

\$4,500m

\$4,000m

\$3,500m

\$3,000m

Mar-12

Jun-12

Sep-12

Dec-12

Mar-13

Jun-13

Sep-13

Dec-13

Mar-14

Jun-14

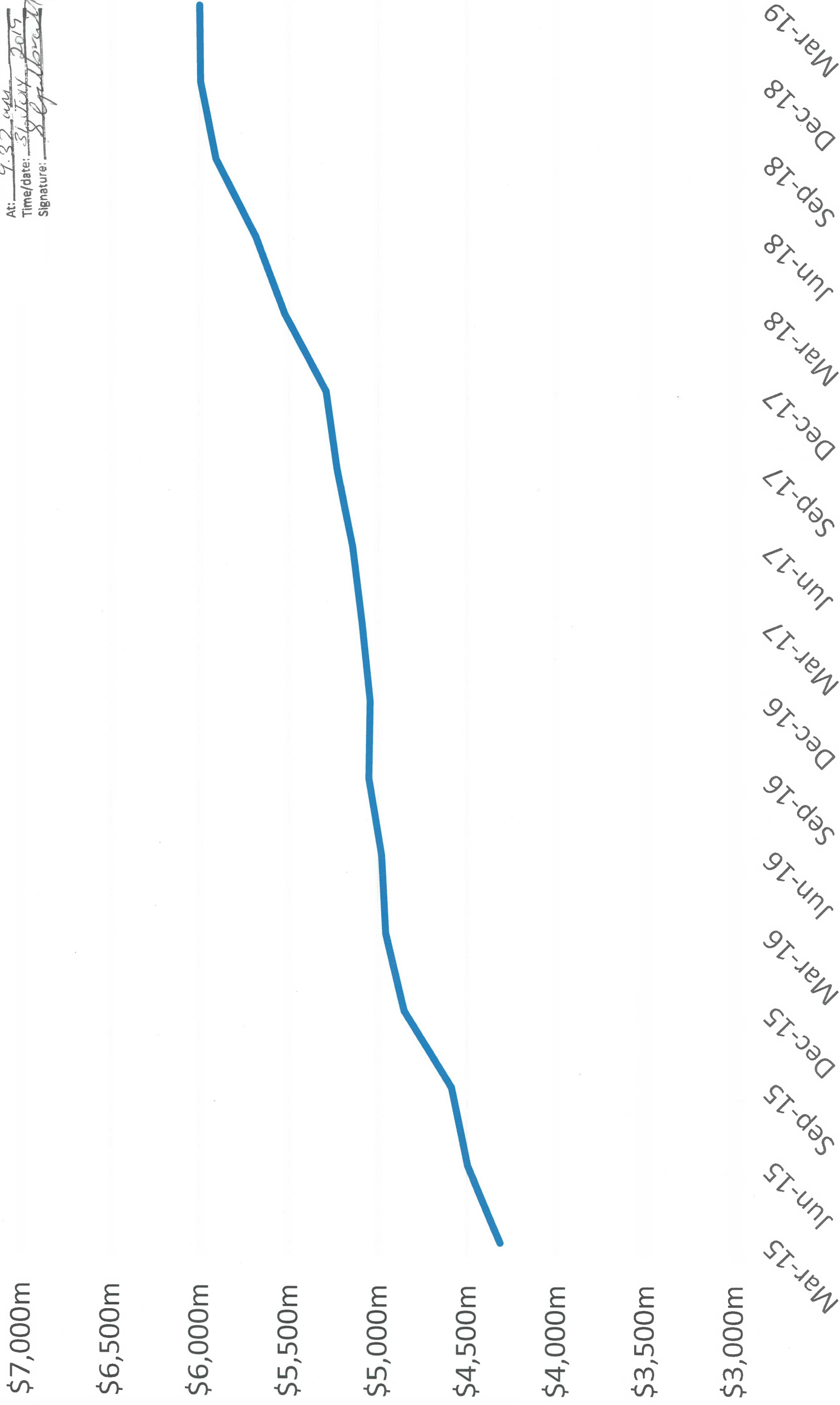
Sep-14

Dec-14

Queensland- International Visitor Expenditure

Palaszczuk Government

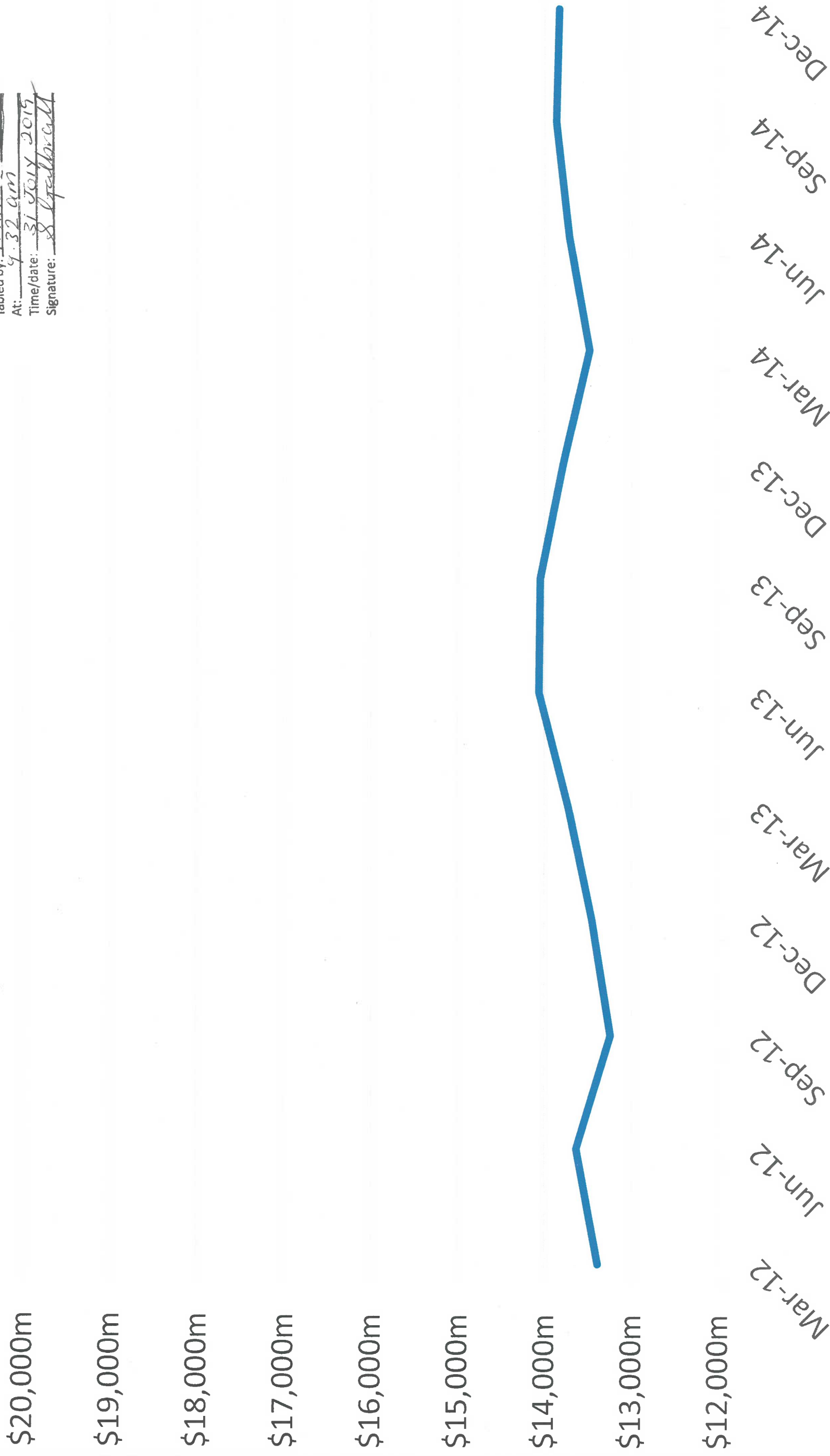
Tabled by: Minister Jones
At: 9.32 am
Time/date: 31st Oct 2015
Signature: [Signature]



Queensland Domestic Visitor Expenditure

Newman Government

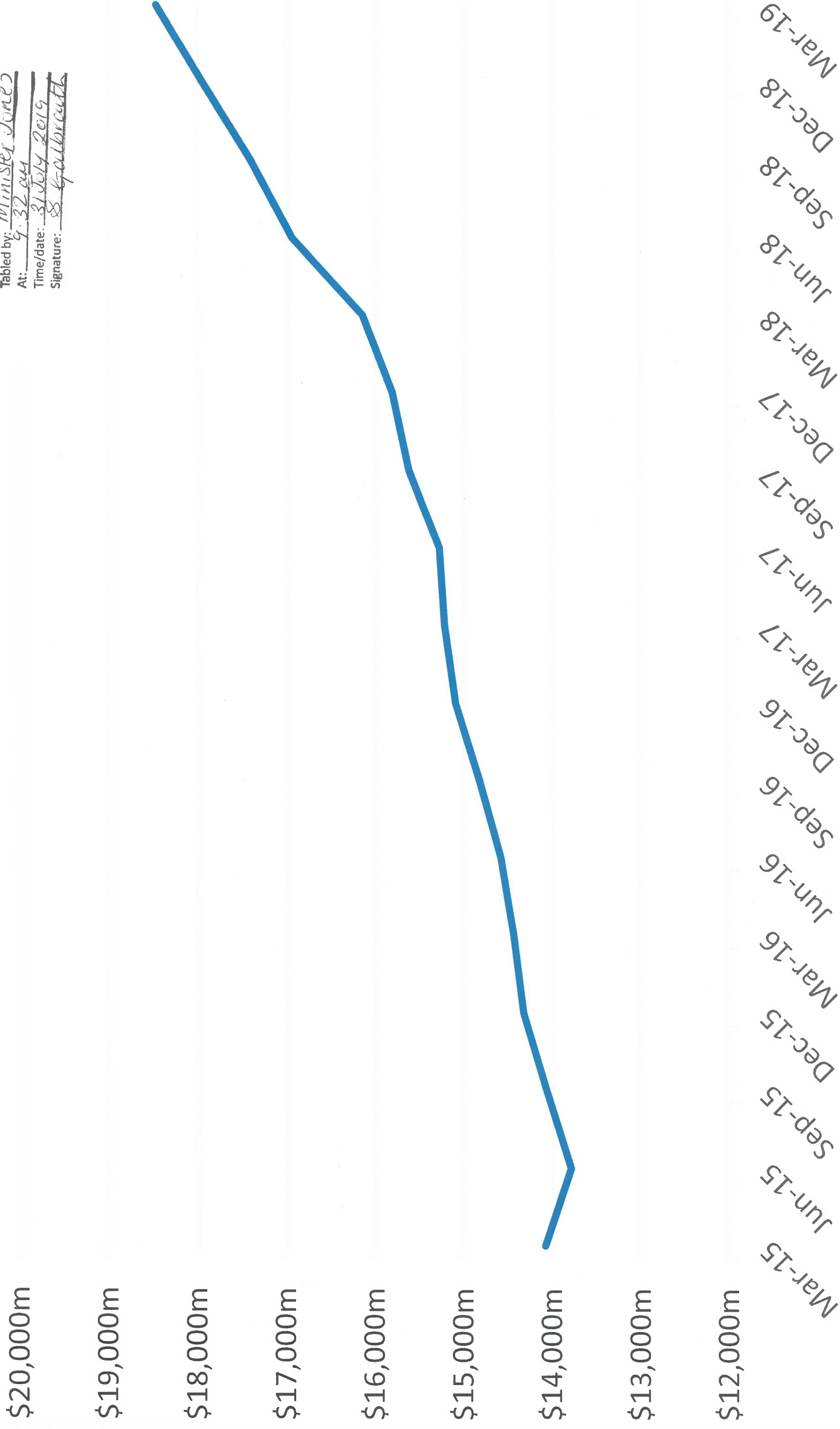
Tabled by: Minister Jones
At: 4.32 am
Time/date: 31 July 2015
Signature: S. Gallucci



Queensland Domestic Visitor Expenditure

Palaszczuk Government

Tabled by: Minister Jones
At: 9:32 am
Time/date: 31 July 2019
Signature: S. Galbraith



for Games guards

KIRSTIN PAYNE

kirstin.payne@news.com.au

THE Fair Work Ombudsman has fired a shot over the bow of companies responsible for security at last year's Commonwealth Games, saying nine employers failed workplace laws.

An investigation found more than \$24,000 had to be paid to 10 security guards and some wages took months to be honoured.

The FWO made one formal caution, putting a security provider on notice about possible legal action for any future breaches.

The FWO found two security providers failed to properly pay overtime, weekend and public holiday penalty rates, which led to the underpayments for 10 guards.

Three of the audited security providers also did not keep proper employment records or provide correct pay slips. In addition to recovering lost wages for affected guards, the FWO issued four infringement notices, totalling \$12,600.

Dozens of guards told the Bulletin last year they had been unable to pay their rent and medical bills because of the wage delays.

Security workers at the Games also spoke of having to work 24-hour shifts and of an attendance sys-



Nine companies employing security personnel during the Commonwealth Games failed workplace laws.

tem that failed to properly record their hours.

Security arrangements for the Games were contracted to four principal providers, who in turn used subcontractors to provide the man power for the 11-day event.

Fair Work Ombudsman Sandra Parker said nine employers, including principal providers and subcontractors, were not compliant with workplace laws.

"The consistent issue we discovered was guards not being paid until well after they had completed their shifts. In some instances, guards had to

wait months to get paid properly," she said. "This was a breach of employers' obligations under the Fair Work Act to pay their employees on time."

"The delays were caused by shortcomings in the electronic record keeping system used to record work hours, which meant guards' shifts had to be manually reconciled before they could be paid."

A Gold Coast security guard who was one of many to make submissions to the Fair Work Commission said the non-payment by security companies could mean trouble for future events.

"I am not going to go anywhere near anything like the Olympics or other big events because of this," he said yesterday.

"They're going to have a hard time getting enough security in the future. There was just no respect or care. We went for months with nothing."

He said many guards had still not received their full payment.

"Some people got paid after applying to the commission, others were given a lump sum by the companies to keep everyone quiet. The process was so long, everyone kind of gave up."

Another security guard told the Bulletin he believed the rosters were confused on purpose during the Commonwealth Games, so guards had trouble accessing payments down the line.

"Everyone got partially paid after two months," he said. "We were told again and again that the subcontractors were waiting on GOLDOC. The whole thing was a mess."

"The invoices were hard to reconcile because of the poor accounting from their end. We were given less than what they were owed but it was hard to prove anything."

Tabled by: Mr Laugbreek
At: 11-56
Time/date: 31 Aug 2014
Signature: S Laugbreek

Tabled by: MR BERKILLAN
At: 2:38 PM
Time/date: 31st July 2019
Signature: [Signature]

2 Source aquifer(s) of the Doongmabulla Springs Complex (DSC)

DES sought advice specifically on three questions regarding the source aquifer(s) of the Doongmabulla Springs Complex (DSC):

Having regard to the 2019 Report, the 2018 advice, and our meeting of 16 April 2019, the department has the understanding that the following further research (steps) would improve the certainty about the source aquifer(s) of the DSC and other groundwater dependent ecosystems:

- a) hydrogeochemical analysis of water samples for comparison within and across relevant aquifers (Clematis Sandstone, Dunda Beds and Rewan Formation);
- b) incorporation of the use of isotope and ageing tracers in the above hydrogeochemical analysis;
- c) a comprehensive review of groundwater level and quality data from relevant aquifers including data from new proposed nested bores in the vicinity of DSC;
- d) detailed geological mapping including cores from bores drilled in the vicinity of DSC and facies modelling to better inform hydraulic connectivity within and across all aquifers;
- e) incorporation of the airborne electro-magnetic modelling recently completed by Geoscience Australia (and available to Adani by June 2020); and
- f) revision of the conceptual understanding of the source aquifer(s) for DSC and groundwater system based on information collected from the above for incorporation into the groundwater model review (re-run).

Q1. Does the above summary accurately reflect the CSIRO/GA advice with respect to further work that could increase certainty of the source aquifer(s) for the DSC?

Yes, the above summary accounts for the advice provided by CSIRO and GA in November 2018 and in February 2019 to the Commonwealth Department of the Environment and Energy, as well as the meeting of 16 April 2019 between DES, DoEE, CSIRO and GA.

Recommendation: Additional clarification is needed on the following points:

Points a) and b): Hydrogeochemical analysis of samples from different spring groups within each spring complex may provide better understanding to discern the source aquifers of the DSC. The hydrogeochemical analyses include but are not limited to:

- Noble gases – for example helium to identify if any deeper groundwater contributes to the springs (identification of source aquifers)
- Radioactive noble gases – to identify source aquifers of recent (decades) to intermediate (centuries) age and
- Strontium isotopes – to identify the source rock of a particular groundwater system.

Point e): The Airborne Electro-Magnetic (AEM) survey data acquired by GA in the region is to be publicly available by June 2020. The proponent would need to undertake their own specific interpretation and analysis of the AEM data. This analysis should be conducted with consideration of other site-specific data the proponent may have and alternative conceptualisations to be tested to ensure the interpretation

(inversion) derives appropriate conclusions regarding hydrogeology at the scale of investigation of interest for the proponent. If undertaken, the proponent's AEM data investigation should articulate how the objectives of an AEM data analysis seek to improve hydrogeological knowledge to ensure the interpretation (inversion) yields desired outcomes.

Q2. Would CSIRO/GA recommend any additional measures?

Following the meeting [with DoEE, QDES, CSIRO and GA] on 16 April 2019, CSIRO/GA have considered other measures that could improve the certainty about the source aquifer(s) of the DSC and other groundwater dependent ecosystems.

This advice builds on previous measures identified by the Queensland Herbarium in 'Section 8.6 Key threats and management' for the Doongmabulla Galilee Group of the Lake Eyre Basin Springs Assessment report concludes:

"Whether the springs with discharge character at Doongmabulla emanate from a Triassic or Permian aquifer is unresolved without further data. Drilling of new monitoring bores in the vicinity of the springs, and appropriate seismic survey are required. A high-resolution survey of spring elevations would also improve the accuracy of predictions relating to spring flows and the potentiometric surface of potential aquifers. Water chemistry data for the Doongmabulla Springs is stored in the data-base and could serve as a baseline to assess potential future impacts of mining on the groundwater quality of the springs."
(Fensham et al., 2016)

Bores intersecting the Clematis Sandstone are densely drilled within 8 km of DSC, relative to the sparse number of bores drilled into other hydrogeological units. Additional bores drilled into deeper hydrogeological units, including co-located bores, are needed to optimise the spatial distribution of monitoring bores to enable future analysis of water level and hydrochemistry data. Co-located bores are a suite of bores in close proximity to each other and intersecting different depths of hydrostratigraphy. This is opposed to a nested bore which is a singular bore with multiple, hydraulically isolated pipes with screened intervals at different depths.

Recommendation: additional measures for consideration

- Measures identified by the Queensland Herbarium in the Lake Eyre Basin Springs Assessment project for the DSC.
- Undertake hydrochemistry interpretation from surface and springs samples to provide more detailed hydrogeology system understanding.
- Optimise the spatial distribution of monitoring bores, including nested or co-located bores intersecting different aquifer units, to enable improved future analysis of water level and hydrochemistry data. Bores intersecting the Clematis Sandstone are more densely drilled within 8 km of DSC, relative to the sparse number of bores drilled into other hydrogeological units.
- At new monitoring locations, there is the opportunity to acquire drill cores to better understand the intact hydrostratigraphy being drilled through to inform the conceptual model. Tests could be conducted on the core samples to assess and quantify hydraulic properties being implemented in the numerical model.
- Incorporation of mine geotechnical information regarding geological stress regime changes and the potential changes to hydraulic properties as development progresses and material is removed.

Q3. Would it be appropriate from an adaptive management framework for all the above matters to be undertaken over a set period i.e. prior to the model review (re-run)?

The appropriateness of when to incorporate these matters into an adaptive management framework are regulatory matters and beyond the scope of science advice. The numerical model predictions are used to inform management processes and revisions to the model should not be delayed beyond the current agreed

timeframe to await further data. Later model revisions are likely to be required and would need to capture any data not available for the first model revision or similar.

Adani have made the following commitments regarding model review (re-run):

“15. Conduct a review of the monitoring data, using suitably qualified expert during the review of GMMP to be carried out before 1 July 2020 (or any other time frame as agreed with DES so as to align GMMP review and model re-run to happen concurrently) to update conceptualisations and conduct groundwater numerical model review based on these data)

- To allow for the correct scientific development of the GMMP it is considered (subject to agreement with DES) that the refinement and re-run of the model should occur prior to the update of the GMMP, as the model outputs and modifications can be captured in the GMMP

- The model re-run is to occur 2 years after the commencement of the box cut and then every 5 years, the same review periods as the GMMP” (Commitment 15 in GMMP v8).

CSIRO/GA review of the groundwater model for DoEE (CSIRO and GA, 2019), as well as the proposed monitoring and management approaches, indicated they are not sufficiently robust to monitor and minimise impacts to protected environments.

“It is unclear what impact these limitations will have on the timing of impacts on the DSC. The implication is that the thresholds and triggers will be reached sooner than anticipated based on this modelling, which means that relying on the model in its current form may not be an appropriate approach to deriving monitoring and management regimes” (CSIRO and Geoscience Australia, 2019).

Commitment 23 in GMMP v8 indicates that Adani have committed to address previously identified issues as part of the groundwater model re-run:

1. Representation in the model of surface water flows for the Carmichael River over-predicts flows from the river into the groundwater. As a result, groundwater drawdown in the alluvium (Carmichael River GDEs) will be greater than the predicted model.

2. Reduced confidence in the ability of the calibrated model parameters to accurately predict groundwater drawdown arising from mine development due to revision of some bore elevations. When model predictions are compared with corrected bore heights scaled RMS error increases from 4.5% to 7.2%.

3. Combined effect of revised bore heights and evapotranspiration, in the unconfined parts of the Clematis Sandstone model layer, on the accuracy of the 0.19 m predicted drawdown at the Doongmabulla Springs complex (DSC) by the SEIS model.

4. Parameterisation of the Rewan Formation and Clematis Sandstone by the SEIS model. Calibrated hydraulic conductivity values for the Rewan Formation are very low compared with measured values, which minimises vertical water movement, and hydraulic conductivity values for the Clematis Sandstone are high, which increases the lateral transfer of water. In combination these hydraulic conductivity values minimise predicted drawdown at the DSC.

Recommendation: From a technical perspective, additional information to inform the numerical model revision will assist in refining its simulation and subsequently improve confidence in predictions. These measures should progressively improve the understanding of the spring source aquifers. While data collection could commence immediately, data analysis and interpretation will take additional time (typically 6-12 months). It is noted that some proposed methods have significant lead times. Indicative timeframes for sample analyses or additional data acquisition are:

- Bulk hydrochemistry – up to 3 months (e.g. GAs Exploring for the Future Program)
- Environmental tracers – up to 9-12 months (e.g. CSIROs GISERA Program - Tritium analysis by New Zealand's GNS Science)
- Seismic acquisition and interpretation program – up to 12 months (e.g. GAs Exploring for the Future Program)
- Core drilling and analysis program – 1-2 years - (e.g. GAs Exploring for the Future Program)