

Notice of Meeting:

I hereby give notice that an ordinary meeting of the Community and Environment Committee will be held on:

Date: **Wednesday 8 June 2016**
Time: **1.00 pm**
Venue: **Edinburgh Room, Municipal Chambers, The Octagon, Dunedin**

Sue Bidrose
Chief Executive Officer

Community and Environment Committee PUBLIC AGENDA

MEMBERSHIP

Chairperson	Cr Jinty MacTavish	
Deputy Chairperson	Cr Neville Peat	
Members	Cr David Benson-Pope	Cr John Bezett
	Cr Hilary Calvert	Mayor Dave Cull
	Cr Doug Hall	Cr Aaron Hawkins
	Cr Mike Lord	Cr Andrew Noone
	Cr Chris Staynes	Cr Richard Thomson
	Cr Lee Vandervis	Cr Andrew Whiley
	Cr Kate Wilson	
Senior Officer	Simon Pickford, General Manager Services and Development	
Governance Support Officer	Pam Jordan	

Pam Jordan
Governance Support Officer

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Note: Reports and recommendations contained in this agenda are not to be considered as Council policy until adopted.

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1 PUBLIC FORUM

1.1 Archibald Baxter Memorial

Kevin Clements, Paul Sorrell and Tony Eyre, Archibald Baxter Memorial Trust wish to address the meeting concerning the Archibald Baxter Memorial.

2 APOLOGIES

Apologies have been received from Mayor Dave Cull and Cr Lee Vandervis.

That the Committee:

Accepts the apologies from Mayor Dave Cull and Cr Lee Vandervis.

3 CONFIRMATION OF AGENDA

Note: Any additions must be approved by resolution with an explanation as to why they cannot be delayed until a future meeting.

DECLARATION OF INTEREST

EXECUTIVE SUMMARY

Members are reminded of the need to stand aside from decision-making when a conflict arises between their role as an elected representative and any private or other external interest they might have.

Attachments

There are no attachments for this report.

CONFIRMATION OF MINUTES
GRANTS SUBCOMMITTEE MEETING - 24 MAY 2016

Item 5.1

RECOMMENDATIONS

That the Committee:

Confirms the public part of the minutes of the Grants Subcommittee meeting held on 24 May 2016 as a correct record.

Attachments

	Title	Page
A	Minutes of Grants Subcommittee meeting held on 24 May 2016	7

Grants Subcommittee MINUTES

Minutes of an ordinary meeting of the Grants Subcommittee held in the Otaru Room, Civic Centre, The Octagon, Dunedin on Tuesday 24 May 2016, commencing at 9.00 am

PRESENT

Chairperson	Jinty MacTavish	
Deputy Chairperson	Kate Wilson	
Members	John Barkla	Aaron Hawkins
	Sze En Lau	Bridie Lonie
	June Mills	Paulette Tamati-Elliffe
	Andrew Whiley	Desiree Williams

IN ATTENDANCE

Craig Monk (Manager, Events and Community Development), Marilyn Anderson (Community Events Advisor), Cara Paterson (Community Advisor - Arts), Craig Monk (Community Advisor - Arts), Paul Coffey (Community Advisor), Katie Whelan (Community Advisor), Garreth Kyle (Research and Monitoring Officer), Wai Piggott (Financial Analyst) and

Governance Support Officer Greg Sligo

1 PUBLIC FORUM

There was no Public Forum.

2 APOLOGIES

An apology for lateness was received from Councillor Andrew Whiley and an apology for early departure was received from Sze En Lau (Community Representative).

Moved (Chairperson Jinty MacTavish/Deputy Chairperson Kate Wilson):

That the apologies be accepted.

Motion carried (GS/2016/001)

3 CONFIRMATION OF AGENDA

Moved (Chairperson Jinty MacTavish/Deputy Chairperson Kate Wilson) that the Committee:

Confirms the agenda without addition or alteration

Motion carried (GS/2016/002)

4 DECLARATIONS OF INTEREST

Members were reminded of the need to stand aside from decision-making when a conflict arose between their role as an elected representative and any private or other external interest they might have.

Cr MacTavish declared an interest in Applications to the Dunedin Biodiversity Fund.
Cr Wilson took the Chair.

PART A REPORTS

5 DUNEDIN BIODIVERSITY FUND - APPLICATIONS TO THE APRIL 2016 FUNDING ROUND

A report from the Research and Monitoring Officer (Garreth Kyle) advised that nine applications had been received when applications closed on 20 April 2016. The total funding amount requested was \$31,916.29 which was more than the funding available (\$31,366.17). Six projects either adjoined or were within Areas of Significant Conservation Value (ASCV), QEII covenants or other protected land. All applications and supporting documentation were appended to the report and had been assessed against the fund and prioritisation criteria.

During the discussion Paulette Tamati-Elliffe entered the meeting at 9.18 am.

Moved (Cr Aaron Hawkins/Mr John Barkla) that the Committee:

Approves the allocation of funding to the applicants as per the table appended to the report from the Research and Monitoring Officer and set out below):

Landscape Connections Trust	\$5000.00
Graham Parker	\$4975.00
Waitati Beach Society	\$2000.00
Otago Peninsula Biodiversity Trust	\$4450.00
John and Moira Parker	\$1459.38
Orokonui Sanctuary	\$5000.00
Shaun and Helen Murphy	\$481.51
Blueskin Farm	\$5000.00
Quarantine Island	\$3000.00

Motion carried (GS/2016/003)

6 DUNEDIN BIODIVERSITY FUND - FINAL REPORTS ON COMPLETED PROJECTS

A report from the Research and Monitoring Officer (Garreth Kyle) provided a summary of the grants that had been completed since the 30 September 2015 funding round. Six project reports had been received. The total funding amount that had been requested by the applicants (\$51,794.62) was more than the funding allocated for each funding round (\$30,000). All applications had been assessed in relation to the fund criteria and the prioritisation criteria to assist the Committee in considering the applications and allocation of grants.

Moved (Deputy Chairperson Kate Wilson/Mr John Barkla) that the Committee:

- a) **Receives** the Dunedin Biodiversity Fund – final reports on completed projects.

- b) **Approves** the grant release from the DECT.
- c) **Notes** the Dunedin Biodiversity Fund – final reports on completed projects.

Motion carried (GS/2016/004)

Cr MacTavish took the Chair at this point.
Desiree Williams entered the meeting at 9.32 am.

7 APPLICATION FROM OTAGO RACING CLUB AND FORBURY PARK TROTTING CLUBS FOR RATES RELIEF GRANTS

The Otago Racing Club (ORC) and Forbury Park Trotting Club (FBTC) had both applied for a Rates Relief Grant. There was discussion on the level of use by community groups, and the level of rates paid by community groups generally.

Moved (Cr Aaron Hawkins/Ms Desiree Williams) that the Committee:

Declines the application for Rates Relief Grants for The Otago Racing Club and Forbury Park Trotting Club.

Motion carried (GS/2016/005) with Cr Wilson voting against

8 GRANT APPLICATIONS

a) **Events Grants**

The Committee reviewed the applications, the total project cost, amount applied for, and the amount recommended for the grant.

During the discussion Cr Whiley entered the meeting at 10.06 am.

Moved (Chairperson Jinty MacTavish/Ms Sze En Lau): that the Committee

Approves the funding for Events grants as follows:

Dunedin-Edinburgh Sister City Society	\$3000
Otago/Southland Amateur Fencing Council	\$2500
Mountain Biking Otago Inc.	\$2500
Circulation Community Inc	\$3000
Squash Otago Inc	\$1000
Dunedin Bird Club	\$2000
Southern Heritage Trust	\$4000
Life Matters Suicide Prevention Trust	\$1000
Rape Crisis Dunedin Inc	\$1393
Samoan Advisory Council	\$950
Otago Fish and Game	\$1317
Dunedin Open Gardens Association	\$1000
Otago Malaysians' Student Association	\$1000
South Dunedin Business Association	\$4000

Motion carried (GS/2016/006)

The meeting adjourned at 10.47 am and reconvened at 11.00 am

b) **Creative New Zealand Creative Communities Dunedin Scheme**

Cr Hawkins and Bridie Lonie withdrew from the meeting during consideration of the application from the Back Beach Writers' Group.

Ms Lonie also stepped back for application for the Art and Space project.

Cr MacTavish withdrew from the meeting during consideration of the application from

Jan Oliver Lucks.

It was agreed that the application from Poems in the Waiting Room would not be approved, but staff would encourage the applicant to reapply when the proposal had been tightened up and refined further.

The meeting adjourned at 12.40pm and resumed at 1.03pm.

Councillor Hawkins withdrew from consideration of the application from Aroha Novak.

The Committee reviewed the applications, the total project cost, amount applied for, and the amount recommended for the grant.

Moved (Chairperson Jinty MacTavish/Cr Aaron Hawkins) that the Committee:

Approves the following Creative New Zealand Creative Communities Dunedin Scheme grant applications:

Art and Space Project	\$3000
Kimberley McAlevey	\$2500
Louise Kewene-Doig	\$3500
Dunedin Performing Arts Competitions Soc	\$500
Friends of the Globe Theatre	2500
Dunedin Medieval and Renaissance Society	\$2670
Circulation Community Inc Society	\$2000
West Harbour Arts Charitable Trust	\$2500
Just Atelier	\$3277
The Back Beach Writers Group	\$3080
Aroha Novak	\$4000
Southern Heritage Trust	\$4300
Creative Arts Trust	\$1830
IHC New Zealand Inc	\$3500
Yellow Eye Ltd	\$5000
Gasp Dance Collective Inclusive Dance Class	\$1750
Jan Oliver Lucks	\$5000
Connected Media Charitable Trust	\$2000
The Vogel Street Party Charitable Trust	\$3250
Dunedin Chinese Art/Instrument Assn.	\$1320

Motion carried (GS/2016/007)

c) **Dunedin City Council Arts Grants**

During discussion on this item Councillor Wilson left the meeting at 1.18pm and returned at 1.27pm.

The Committee reviewed the applications, the total project cost, amount applied for, and the amount recommended for the grant.

Discussion took place on the need to have a 'not-for-profit' criterion for grant applications.

Moved (Cr Aaron Hawkins/Chairperson Jinty MacTavish): that the Committee

Approves the following Dunedin City Council Arts Grants applications:

Daniel Belton and Good Company	\$4950
City Choir Dunedin (Dunedin Choral Society)	\$5585
Yarn	\$5000
Chamber Vulgarus	\$3000
Gasp! Dance Collective	\$2353

Motion carried (GS/2016/008)

d) **Community Grants 2016**

During discussion on Applications 9 and 15 (the applications from the Congregational Christian Church of Samoa and Te Hou Ora Otepoti Inc) Desiree William stepped back from discussion.

Moved (Chairperson Jinty MacTavish/Deputy Chairperson Kate Wilson) that the Committee:

Approves the following Community Grants applications:

Anglican Family Care	\$3800
South Dunedin Festival Steering Group	\$3800
YWCA Dunedin Inc	\$3800
East Taieri Church	\$3800
Te Whare Ponunamu Dunedin Women's Refuge	\$4712
Dunedin Collaboration Against Family Violence	\$2442
Catholic Social Services	\$3800
Foodshare Limited	\$4712
Te Hou Ora Otepoti Inc	\$3800
Pregnancy Help Inc (Dunedin Branch)	\$3800
The Dunedin Curtain Bank	\$3800
Taieri Christian Care Trust	\$4510
Salvation Army Oasis Centre Big Value Christmas	\$1704
The Parenting Place	\$4068
Congregational Christian Church of Samoa	\$2500
The Straight Up Trust -Rock Solid	\$4712
The Scout Association of New Zealand	\$3800
Age Concern Otago	\$3800
Parent to Parent Otago	\$4000
Carers' Society Otago	\$4712
Asthma Otago	\$3800
Servants Health Centre	\$4712
Arthritis Foundation of New Zealand Inc	\$3800
Dunedin Community Care Trust (CCT)	\$3800
Aspire Kids – Tamariki Matana	\$2000
Disabled Persons Assembly (DPA) Dunedin and Districts	\$3800
North Dunedin Shed Society Inc	\$700
North End Rowing Club	\$2000
Brockville Community Trust	\$1500
Dunedin City Petanque Inc	\$2000
Prison Fellowship New Zealand (NZPF)	\$1224
Dunedin North Community Patrol Charitable Trust	\$1000
Dunedin South Community Patrol	\$2000
Rate My Flat	\$2000
Mosgjel Memorial RSA	\$990

Motion carried (GS/2016/009)

9 SMALL PROJECT GRANTS AND NEIGHBOURHOOD MATCHING GRANTS

A report from the Community Advisor (Paul Coffey) outlined details of the applications approved by the Chairperson for grants under \$500 from May to November 2015.

Moved (Cr Aaron Hawkins/Deputy Chairperson Kate Wilson) that the Committee:

a) **Notes** the report.

Motion carried (GS/2016/010)

The meeting concluded at 3.13pm.

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CHAIRPERSON

PART A REPORTS

OTAGO MUSEUM REPORTS TO COUNCIL - FEBRUARY AND APRIL 2016

Department: Corporate Services

EXECUTIVE SUMMARY

- 1 The attached reports, prepared by the Otago Museum, provide an update on their key activities for the period from December 2015 to April 2016.

RECOMMENDATIONS

That the Community and Environment Committee:

- a) **Notes** the Otago Museum Reports to Contributing Local Authorities – December to February 2016 and February to April 2016.

Signatories

Authoriser:	Simon Pickford - General Manager Services and Development
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Attachments

	Title	Page
A	Otago Museum Report to Contributing Local Authorities – December to February 2016	15
B	Otago Museum Report to Contributing Local Authorities - February to April 2016	30

SUMMARY OF CONSIDERATIONS

Fit with purpose of Local Government

This report relates to providing local infrastructure and a public service and it is considered good-quality and cost-effective by monitoring activity.

Fit with strategic framework

	Contributes	Detracts	Not applicable
Social Wellbeing Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Economic Development Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Environment Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Arts and Culture Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3 Waters Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Spatial Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated Transport Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks and Recreation Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other strategic projects/policies/plans	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Māori Impact Statement

There are no known impacts for tangata whenua.

Sustainability

There are no implications.

LTP/Annual Plan / Financial Strategy /Infrastructure Strategy

There are no implications.

Financial considerations

There are no financial considerations.

Significance

Significance has been assessed as low in terms of Council's Significance and Engagement Policy.

Engagement – external

There has been external engagement about this report prepared by the Otago Museum.

Engagement - internal

There has been no internal engagement.

Risks: Legal / Health and Safety etc.

There are no identified risks.

Conflict of Interest

There is no known conflict of interest.

Community Boards

There are no implications for Community Boards.

OTAGO MUSEUM
Report to Contributing Local Authorities
December to February 2016

Director's Report

It's been an excellent summer season and a great start to 2016 for the Otago Museum. On 30th January we welcomed our 10,000th visitor to the Perpetual Guardian planetarium. This is an extraordinary achievement, given that the planetarium only has 51 seats and had been open just 8 weeks. Response to the three in-house produced planetarium shows has proved positive, and the new planetarium system has performed almost flawlessly during an exceptionally busy period. The new Beautiful Science Gallery has also proved popular, and is becoming an important part of any visit to the Museum.

But it's not just the planetarium that has been busy. Discovery World and Tropical Forest had their highest January attendance since 2009, and both café and shop income were considerably up on the same period last year.

Our investment in facilities and new technology is also reaping rewards. The new HVAC system was commissioned in time for the hottest part of the holiday season, and, from a standing start, online tickets now represent over 15% of all tickets sold for the Planetarium and Discovery World/Tropical Forest. The new Museum website (launched in early December) has also proved to be a hit, with many visitors choosing to use it to book their planetarium tickets.

The *Hākui: Women of Kāi Tahu* exhibition has been visited by over 13,000 visitors since opening. There has also been interest from other Museums (including the Canterbury Museum) in hosting the exhibition in late 2016.

Planning for the next phase of Discovery World has started, and at our annual retreat, the Museum's executive team made significant progress both on the annual plan and on determining which projects need to be prioritised over the next five years.

Since the last meeting of the Board I have written 8 weekly "Skywatch" articles for the *Otago Daily Times*

I have chaired two meetings of the "Dark Sky Dunedin Advisory Panel for DCC, and I have attended two meetings of the Board of the Midwinter Carnival.

On 26th January I gave a presentation "Southern Skies" to 32 people in Naseby following an invitation from Naseby Vision.

Commercial Report

Finance

The month of December has been a great trading month with the Perpetual Guardian Planetarium leading the way and strong increases in sales across the Café, Shop and Tropical forest.

Visitor numbers for December were also very good with peak visitor numbers of 2,207 on Wednesday 30 December. In December the Museum had 18 days with over 1,000 visitors per day (Last year the Museum had 2 days at that level).

Facilities Team

The building exterior painting work will be starting in mid-February on the south facing side of the Museum.

Planning has also started for extending and refitting the café kitchen area. Work will also include health and safety improvements of the kitchen space and floors, better sound proofing of the Hutton theatre and improving the entrance to the Hutton theatre.

Chiller

The new chiller was up and running in December and work is ongoing to interface the system to the control centre. Commissioning will take place later this month.

It is estimated that the chiller will be about 20% more energy efficient than the previous chiller.

Photograph 1 - Plant Room - Highlight structural steel support beam.



Roof shot - highlight seismic springs



Staffing

We are still receiving a good number of applicants for the Otago Museum positions

Health and Safety

A Skyjack lifter has been purchased to help reduce the amount of ladder work around the Museum. This will also mean that we don't have to hire lifters in for our routine type work.

Promotional picture is below.



Marketing and Development

Exhibitions and displays

- The *Hākui: Women of Kāi Tahu* exhibition (Special Exhibitions Gallery, 20 November 2015 to 8 May 2016) has attracted 12,940 visitors since opening to the public. Canterbury Museum has expressed interest in hosting the exhibition in late 2016. The Museum team are currently investigating this possibility. Considerations include permissions from lenders for objects, images, stories and whakapapa, as well as permissions for images, audio and video sourced from other institutions. Development continues on exhibition programmes; a list of ideas has been passed on to the co-chairs of the Hākui Steering Committee. A kaitiaki training day was hosted at the Museum for members of local rūnaka; they will interact with visitors and act as guardians of the exhibition and taoka.
- The *Who Cared? Otago Nurses in WWI* exhibition (1877 Gallery) closed on 31 January 2016. Though final numbers are not yet available, it had been visited by 29,387 as of 17 January 2016. Closing weekend programmes included a reading of WWI nurses' memoirs by Dr Maxine Alterio, author of *Lives We Leave Behind*. Vincent O'Sullivan, 2013–2015 Poet Laureate, read poetry from the WWI era and announced the winners of the poetry competition run in association with the exhibition.
- *Einstein: 100 Years of the General Theory of Relativity* closed on 17 January. This exhibit was a collaboration between the Maths Department and the Centre for Science Communication at the University of Otago, and the Otago Museum. A relativistic bike from Germany installed in conjunction with the exhibit will remain in Atrium Level 2 for a short time. As part of the closing weekend activities, a collaborative programme was delivered with The Print Room. The T-shirt printing workshop was well-attended, with visitors screen-printing Einstein-related designs.
- Over the period a focus case was installed in the Search Centre to highlight ambergris recently added to the Museum collections and to act as an identification aid for visitors and staff.

- Development is underway on the 2016 Otago Wildlife Photography Competition. The competition opens on 22 March and closes on 16 May. The exhibition opens on 8 June in the Special Exhibitions Gallery. The video category will be offered again this year, and all entries of videos and photographs will be accepted digitally through the Otago Museum website. A series of three workshops will run alongside the competition.
- A project team has been set up to update some of the older interactives in Discovery World, make fixes to exhibits with ongoing issues, and freshen up the space to take it through to the redevelopment in 2017.

Projects

Planetarium project:

- The Otago Museum opened its new 51-seat Planetarium to the public on Saturday, 5th December 2015. The planetarium has met with great success, with most shows nearly at full capacity. Over 6,300 tickets have been sold to 20 January.
- Minor technical issues with the planetarium system have been quickly resolved.
- The planetarium project is now operating as a new Museum business unit.

Beautiful Science gallery:

- The Beautiful Science gallery opened to the public on 5 December 2015 and has received a lot of positive feedback from visitors.
- The gallery features cutting edge technology that hasn't been released to the market before, so some initial technical issues were expected. The Museum continues to work with Gibson Group to iron out some of these minor technical glitches.

Discovery World (Stage 2):

- The Museum's project team has begun planning stage two of the redevelopment.
- Construction phases are expected to start after the 2017 July school holidays, re-opening in late 2017.
- The redevelopment will commence with a short closure of Tropical Forest and its Discovery Zone, which will then be reopened before Discovery World is closed for redevelopment. Phasing the closure and in particular, keeping closure of the Tropical Forest to a minimum will allow at least part of this facility to remain open to the public through the redevelopment

Future projects:

- At an executive retreat, long-term plans and project timelines were discussed. As a result, the Museum's Project Manager has drawn up a draft project plan 2016-2022 which will be presented to the Museum Trust Board for feedback.

Programmes and events (P&E)

Cruise ship tours:

- Renaissance Tours has identified a 50% decrease in shore excursions across the board which has also been reflected in a significant drop in cruise ship tour numbers at the Otago Museum.
- Renaissance New Zealand are in communication with their head office in Miami and believe it could possibly be due to an increased number of return visitors who have already participated in tours and the increase in Free Independent Travellers who choose not to partake in any pre-arranged tours.
- The Programmes and Events team will continue targeting the Free Independent Travellers, offering them the opportunity to join an impromptu paid tour and encouraging them to visit the Museum Shop and Café.

Christmas events – Elves' Workshop and Makerspace:

- The Programmes and Events team worked with the Design and Facilities teams to transform the Atrium into an Elves' Workshop and Makerspace, which included a 15-foot tall Christmas tree in Atrium 1.
- The shift from having Santa's Grotto in the Animal Attic to the Elves' Workshop and Makerspace in Atrium 1 proved very successful, with approximately 1,500 participants. Feedback from long-time returning visitors was positive.
- Many families and individuals took their photos with the elves, and many cruise ship and independent adult tourists also participated in the Makerspace, which is a change from previous years.
- The Dunedin Harmony Chorus, Cantores Choir and pianist Jonny Dyas also performed.

Staffing:

- The Gallery Communicators team has recruited Emily Gray and Teina Ruri into full-time Gallery Communicator roles and Vicki Bielski into a part-time role, two days per week. Ella Robinson has moved from a Casual Communicatory role into a temporary role, covering the other part of the part-time role, two days per week.
- The new Gallery Communicators have all completed training and are actively working on the floor.

Upcoming programmes and events:

- The Programmes and Events Team are in the process of setting new paid and free public events for the coming year. The team will continue to work with current collaborators, including the Otago Institute and Royal Society, and participate in local and national events, including Brain Week, Seaweeek, iD Fashion Week, Dunedin Festival of the Arts, New Zealand International Science Festival and the Cadbury Chocolate Carnival.
- The team will also be involved in new external initiatives such as Wild Dunedin, and will be developing new internal programmes to celebrate the Otago Museum collections.

Website

- The redeveloped Otago Museum website launched on 5 December. It has attracted more visitors and more page-views during the 2015–2016 summer holidays than it did during the 2014–2015 summer holidays.
- A Museum blog has been launched on the new website, featuring stories of the Museum’s history, collection objects, staff members and events. The blog has proved popular and has received good levels of attention on the Museum’s social media channels.
- The top seven page paths on the new website are: Home, What’s On, Collections, Visit, Learn, About and Blog.
- The top five landing pages are: Home; Planetarium; What’s On; Blog > Opening a planetarium; Amazing Universe.
- The site is receiving more repeat visitation (indicated by the reduction in percentage of new sessions)
- Comparative website stats are as follows:

	15 December 2015 To 24 January 2016	15 December 2014 To 24 January 2015
Number of sessions	21,276	9,854
Number of page views	78,640	26,775
Percentage of new sessions	66%	78%
Average session duration (time on website)	00:03:20	00:01:47

Other

- As at 31 December 2015, the Museum was ranked third in the list of Dunedin attractions on the Tripadvisor website. Toitū Otago Settlers Museum and the Otago Peninsula are first and second, respectively.
- An Otago Museum pop-up shop opened at Dunedin International Airport. Selling items from the Otago Museum shop and advertising offerings such as the Perpetual Guardian Planetarium, it was developed by Marketing Manager Kate Barron and Head of Design Craig Scott. It has been well received by airport patrons.
- Marketing Manager Kate Barron has resigned her position to take on a new role in Auckland. Sarah Jones has been appointed to the position.
- Head of Design Craig Scott attended The Un-School of Disruptive Design Melbourne Fellowship programme from 22 to 29 January. Only 16 people globally are accepted for each intake. According to its website, the Un-School’s mission is to “activate creative leadership for social and environmental change. We develop programs for emerging leaders, established professionals and the wider creative community.”

- The Head of Design and Collection Officer have had their joint proposal accepted to present at the International Conference on Interpretation being held in Wellington in April.
- The Content Services Manager has had a presentation accepted and will present at the International Conference on Interpretation, and has had two poster proposals accepted to be displayed during Museums Australasia 2016, which will be held in Auckland in May.

Collections, Research and Education

Access requests

Several requests to access the Museum's collection have been granted over the recent period.

- University of Otago researcher Dr Nic Rawlence visited the ornithological collections in December to collect bone samples for destructive analysis as part of a revision of the colonisation, lineages and known taxonomy of black swans in New Zealand.
- Kansas University Professor Elizabeth Dodds visited during hers travels around New Zealand as part of a writing sabbatical exploring the Anthropocene and how humans have effected biological systems. She was particularly interested in the transition from 'collect to preserve change' to 'conserve to preserve movements', looking at historical museum practice versus the eco sanctuary practice.
- Department of Conservation Archaeologist Shar Briden visited the moa collection to identify specimens recently recovered from midden sites in East Otago.
- Onchidella (slugs) from the Auckland Islands collected by William Benham during the 1907 Sub-Antarctic Islands Scientific Expedition have been sent to Australian-based New Zealand mollusc taxonomist Gary Baker for taxonomic description. This is part of the work of 2013 Otago Museum Linnaeus Taxonomy Fellow Rebecca Cummings and may represent the earliest collected specimens of a new species of this terrestrial marine slug. Recent field work on the Auckland Islands found that populations still exist there. Those collected on the Auckland Islands, and specimens held by the Otago Museum, will form part of the voucher series and are part of a wider review by Cumming and Baker on the phylogeny of this genus.
- PhD Candidate Luke Easton visited to take morphometric measurements and photos of frog skeletal remains as part of his thesis. It will likely involve follow-up work, using non-destructive CT scanning of wet specimens to capture evidence of the skeletal morphology. Easton also visited subfossil reptile remains as part of a collaborative project he is undertaking with Dr Nic Rawlence on the colonisation and pre-human distribution of New Zealand's reptile fauna.
- Associate Professor Alex Trapeznik (Department of History and Art History, University of Otago) was supplied with images of a G. & T. Young Blueskin Agricultural and Pastoral Association medal, a Pirates Rugby Club pin, a Kaikorai Band badge and a Home Science Alumnae pin manufactured by Moller Bros, Dunedin for a paper on the history of Dunedin jewellery manufacturers established in the 19th century.
- The Museum supplied images of Edith Morris jewellery in the Otago Museum collection for inclusion in *A History of New Zealand Women* by Professor Barbara Brookes (Department of History and Art History, University of Otago) to be published by Bridget Williams Books in February 2016.
- The Museum supplied an image of E48.266 (red-figure hydria) to Lidiane Carolina Carderaro dos Santos of Universidade de Coimbra, (Portugal) for her thesis. "Do encanto e a hybris: representações de seres mitológicos com atributo musical na pintura de vasos gregos" (From enchantment to hybris: representations of mythological creatures with musical attributes on Greek vase paintings).

- Professor Claudio Cristino, University of Chile, asked for images of the Otago Museum's Pitcairn Island statue for a comparative analysis in a research project that aims to better demonstrate connections between Pitcairn and Rapa Nui.
- Peter Alsop, a co-author of *Marcus King: Painting New Zealand for the World*, asked for research images of the Museum's two Marcus King paintings.
- Saskia Nehls, a doctoral candidate at the Freie Universität Berlin has asked for images of Mycenaean sherds from the Egyptian site of Tell el-Amarna. Her thesis, "Tell el-Amarna: Studies on the economic interdependences of an ancient Egyptian Residence and newly founded capital in 1330 BC" deals with the economic interdependences of the city of Tell el-Amarna within Egypt itself, the Mediterranean area and the Ancient Near East on the basis of the relevant pottery. The Otago Museum sherds are donations from Charles Brasch, who spent three seasons in the 1930s working at the site on excavations carried out by the Egypt Exploration Society.
- Dr Gwynaeht McIntyre (Department of Classics, University of Otago) is contributing a class on working with material culture as part of the Research Methods class taught by the Classics Department team, and has asked to hold it at the Museum, with access to agreed collection items.
- The Museum fielded a request from a descendant of the maker of a christening gown in the collection. Janet Radford is a granddaughter of the maker, Mary Ralston, and was in Dunedin for one day as part of a cruise ship visit.
- Dr Dimitri Anson has asked for images of a shell pendant fragment from the Papua New Guinea archaeological site of Watom, at which he excavated. This is currently on display and access for photography will enable some agreed conservation work to be undertaken, and improvements to its mount before it is returned to display.
- The Museum has taken 360° images of a number of Classics artefacts selected by Dr Daniel Osland (Department of Classics, University of Otago) as focus items for a first semester class on Greek feasting. The Collections and Research team is working with Developer, Systems and Interactive Media Andrew Charlton on a dedicated page for the Otago Museum website that Dr Osland's students will be able to access, where they can digitally rotate images of the artefacts referenced in lectures.
- Archaeologist and stone tool maker Dr Dan Witter spent a day examining stone tools from the Chatham Islands in the collection on 25 January. Dr Witter was invited by Susan Thorpe (currently Special Projects Coordinator for Hokotehi Moriori Trust) to a wananga on Chatham Island over 12 to 24 February 2016 called Hokopanopano ka Toi Moriori. It will focus on reviving the tradition of Chatham Island Moriori tree carvings known as raku momori or dendroglyphs. This is associated with the past two years of work aimed at preserving the remnants of the kōpi forests at Hāpūpū, Rotorua, Kairae and Taia, and the associated engraved trees. As part of a strategy to explore carving new trees using traditional methods, Dr Witter has been asked to replicate different kinds of stone tools made in a Moriori style. He will teach this skill to people at the wananga using local materials. In preparation for this, he examined both finished and unfinished stone tools from the Chatham Islands in Museum collections.
- Dr Robin Watt, a former staff member of the Museum of New Zealand Te Papa Tongarewa, has asked for images of a tewhatewha from the Thomson Collection that he believes to be the work of the well-known English forger of Pacific, especially Māori, artefacts – Edward Little. Dr Watt wrote a thesis entitled 'The fake Maori artefacts of James Edward Little and James Frank Robieson' in 1990, and believes this tewhatewha shows Little's distinctive style of grooving, one he used on nearly all his fakes.

Acquisitions and donations

- The Museum accepted donations of squid beaks for the comparative collection from Dr Chris L alas (OU, Marine Science) and parasitic worms (Acanthocephala) from Dr Bronwen Presswell (OU, Zoology).
- Work continues on the sorting, cataloguing, accessioning and condition reporting of the Ron Gardener Jurassic fossil collection.

Recent donations to the Humanities collections include:

- A WWII German Navy officer's dagger with eagle shaped pommel, and a .22 rimfire cartridge pocket pistol of the 'derringer' type
- A slinky deerskin calf-length lined coat, made in the late 1930s from skins made available from deer cullers working in Canterbury
- A blue-grey suede Jean Muir dress from the 1970s
- A pounamu adze blade, unprovenanced, that had been donated to the Hospice Shop.

Protected Objects Act

- We have reported the following taoka to the Ministry for Culture and Heritage:
- A pounamu adze blade found at Pigeon Island, Lake Wakatipu
- An adze blade found in a house at Allentown
- A pounamu adze blade found at the mouth of Clutha River
- A broken adze blade found at Nikau Cove, Kenepuru Sound.
- Taonga tūturu reported before Christmas formed part of an short article in the *Otago Daily Times*: <http://www.odt.co.nz/campus/university-otago/368091/two-adzes-unearthed-otago>

Publications

- Blackman, M. and M White 2015. 'Identifying an embroidered silk fragment' in *Context* 31: 40–42.
- Eria, M. et al 2015. *Hākuī: Women of Kāi Tahu*. Otago Museum Trust Board, Dunedin.

Conservation at the Otago Museum

- Core work around exhibitions, loans, access requests and acquisitions has been ongoing, with a particular focus on preventive conservation activities such as environmental monitoring and data gathering, Integrated Pest Management training for new staff and assessing and prioritising the conservation needs of the Museum's wet collections, as well as processing a large number of newly acquired material.
- The Conservation Manager and Conservator hosted two very successful visits to the conservation lab by children from the Education team's Methodist Mission program – Science Kids. The Conservation team has also delivered three 'snack' sessions for a total of 24 year 12 or 13 students as part of the University of Otago's, Hands-On at Otago programme. These visits and sessions have allowed us to trial a number of activities that could be repeated for wider audiences within and outside the Museum in the future. The team also continues to work with the Education and Programmes and Events teams to develop further opportunities for outreach and public engagement involving Conservation and Material Science.

- As part of the Museum’s regional museums programme, the Conservator met with the Trustees of the South Otago Museum to discuss and agree how they would like to use the remaining time allocated to them. The team is also approximately halfway through a Storage Audit Report for the Ōtākou Memorial Centennial Church Museum and have completed a similar report for Cromwell Museum. This regional work has attracted the attention of Judith Taylor, National Services Museum Development Officer for the South Island, and as a result Judith and Otago Museum Conservation Manager Nyssa Mildwaters will be holding quarterly discussions to better co-ordinate respective work and share information. This arrangement will ensure that the Museum maintains a good working relationship with National Services and could provide further opportunities for the Otago Museum’s conservation services to be offered more widely.
- As part of the Museum’s contract conservation work, the Conservator delivered an Edged Weapons and Firearms Training Day for the collections staff at the National Museum of the Royal New Zealand Navy (NMRNZ) in Auckland at the start of December. The day was well received and there was interest in repeating this training to other Auckland Museums.
- While in Auckland, the Otago Museum’s Conservation Manager and Conservator spent the day with the Conservation Team at Auckland Museum. Sue Cooper, Head of Conservation, and her team were extremely generous with their time. There is considerable potential for greater communication and possible collaboration between the both museum’s teams in the future. Of particular interest were two current projects being undertaken involving the conservation of material from their Māori collections, a number of aspects of which the Otago Museum will look to translate to upcoming projects involving the Museum’s Māori collections.
- The Conservator delivered a segment on the deterioration of plastics as part of the latest round of filming for *Otago Museum Diaries*. Both members of the Conservation team have provided post for the new Otago Museum blog. Conservator Lisa Yeats’ second post led to a direct enquiry from Southland Museum regarding conservation equipment and has resulted in a planned visit to Southland later in the year.

Education

Methodist Mission and Otago Museum Science Kids programme:

- Planning is underway for the next round of the programme to begin in February.
- Methodist Mission and the Education team are discussing ways to expand the programme.

Unlocking Curious Minds: Family Science and Technology Events

- Eight schools (local and regional) are negotiating dates for Term 1 delivery of this programme before funding ends on February 28th 2016.

Discovery Squad

- The programme was delivered successfully during January school holiday period.
- Bookings for the programme were high.

Perpetual Guardian Planetarium – Education Programme:

- Development of a curriculum-linked education show to be delivered in the planetarium, is almost complete. The show will be presented live, but the content will be different from the current public show.

New programme development:

- The following programmes are currently in development for launch in Term 1: NCEA Textiles, Bug Census (outreach), Our Place in Space (Perpetual Guardian Planetarium), The Lay of the Land (outreach), Ancient Myth and Mummification (outreach).
- The Education team has been working closely with the wider Collections and Research team to develop the NCEA Textiles programme. Honorary Curator Jane Malthus is also involved in this process.

U3A grant:

- In recognition of the Museum’s support of U3A in 2015 by way of a series of speech presentations at U3A meetings, the organisation has granted the Museum \$1,000 to be used for education purposes. The education team plan to make curriculum-linked videos which explore an item or theme of the collection in order to broaden our offerings for regional schools. The videos will also be available on our website.

LEOTC:

- The biannual Milestone report was submitted to the Ministry of Education at the end of December, reporting on numbers, budget figures, satisfaction rates, new initiatives, resources and staffing.
- A table recording student number participation follows. Please note these numbers include multiple programmes by the same class on the same visit - excluded from Ministry’s criteria for student counting, to be reported in Milestone Reports. This table does not include numbers from non-applicable institutions or adults.

LEOTC APPLICABLE ONLY July 2015–June 2016						
January 2016						
Annual Participation to: 31 January 2016						
Actual participation in LEOTC programmes for:	Year 0-3	Year 4-6	Year 7-8	Year 9-10	Year 11+	Total
Total Year to Date	889	1457	596	282	112	3,336
Target 1 July to 31 January 2016	510	510	510	85	85	1,700
Percentage of Target	174%	285%	117%	331%	136%	197%
Annual Target (July 2014–June 2015)	935	935	935	155	155	3115
Percentage of Annual Target	95%	156%	64%	181%	72%	107%
Target Percentage to the end of June 2015	55%	55%	55%	55%	55%	55%
Targets are calculated based on an 11-month school year.						

Lottery funding

In December 2015 the Otago Museum was awarded \$395,448.00 over three years by the Lottery World War One Commemorations, Environment and Heritage Committee Fund in support of the Taoka Digitisation Project.

The Otago Museum will deploy six staff from its Collections and Research division to work with two full-time project officers to manage, assess and digitise the Māori collections. Accessibility will be governed by the Curator Māori in consultation with the Māori Advisory Committee. The project will commence with a survey of extant collections data, an overview of storage conditions and the development of a condition and conservation assessment programme that will operate alongside the data entry and digital imaging of collection objects.

The experience gained from the in-house digitisation program, together with the condition and conservation assessment strategies that will be developed as part of the project objectives, will then be made available to all participating communities. The Museum will provide assistance to those communities wishing to digitise their own taoka and determine the condition and conservation needs of their collections to ensure their ongoing viability for generations to come.

Other

- Filming for a third season of Otago Museum Diaries took place at the beginning of December, and the collection team organised segments for the show.
- Members of the Collections and Research team continue to write articles for the Otago Museum blog and the Cool and Collected column in the Otago Daily Times.
- The Natural Science team is working on an inventory of the pinned insect collection.
- Members of the Natural Science team completed a programme for Hands-On at Otago (formerly Hands On Science). This year Museum staff talked about taxonomy and how it is used every day at Otago Museum to sort, identify and store the collections in a logical order when they are not on display. The programme focused on using knowledge of taxonomy and taxonomic resources to identify items brought in by the public, and finished with a tour of Animal Attic, which is ordered taxonomically, and the Search Centre, which the public can use to assist them in identifying items for themselves.
- Migoto Eria, Curator Māori, resigned in December 2015 and recruitment for her replacement is underway.

Science Engagement**Living Environments – Tropical Forest**

The month of January saw Tropical Forest have its highest monthly number of visitors since 2009. This seems attributable to not only high overall visitor numbers at the Museum over this period, but also the success of the planetarium bringing in a new audience and offering the associated combination (Perpetual Guardian Planetarium plus Discovery World Tropical Forest) tickets, which are accounting for approximately 30% of overall PGP sales.

Heightened temperatures in Tropical Forest over the summer months continue to be a challenge. In December, the Living Environments Coordinator and Facilities Officer visited the new green houses at the Botanical Gardens to investigate their temperature control systems. They will be investigating the effectiveness of different shade cloths in the area. Following the upgrades in the building management systems and research by the Facilities Manager, the Living Environments Coordinator now has more control over the environment in the Tropical Forest.

The team is also realising the benefits of the Living Environments Coordinator visit to the Philippines butterfly farmers in November last year. A stronger relationship has led to better understanding of

packaging and customs clearance requirements. This has resulted in fewer delays in receipt of shipments from the Ministry for Primary Industries and increased pupae survival rates, resulting in direct cost saving and a higher numbers of butterflies available through the busy holiday season.

Discovery World

As with Tropical Forest, Discovery World has been extremely busy over the summer holiday period. The *Greatest Science Show in the History of the World Ever!* has been running a "Supercool Science" theme. This includes a range of demonstrations involving liquid nitrogen and dry ice and an exhibition of levitation using superconductors on a Mobius strip track.

A cross-museum working group is looking to undertake a partial refresh of DWTF in the first part of 2016, as it remains important to ensure our visitor experience is still a positive one pending the full revamp of the space in 2017.

Term 1 will also see the start of *STEAM Team*, the Science Engagement team's new afterschool club. STEAM integrates traditional STEM (science, technology, engineering, and maths) activities with the arts. Based in DWTF & D-Pad, the STEAM Team will undertake explorations and learnings throughout the museum and will involve staff from each division over the course of the school year.

Planetarium

The opening of the Planetarium was a resounding success, with over 10,000 admissions to date. All the shows have received very positive reviews from visitors. *The Amazing Universe* continues to be the most popular show, with the *Sky Tonight* and *Mārama-ā-whetū* also attracting strong numbers through the holiday period.

Despite the large number of visitors, operationally the process of ticketing (on-line and in person) and handling the share volume of people in and out of the planetarium, has largely gone smoothly. Feedback has been sought from all teams involved (Front of House, Shop, Science Communicators) on issues that have arisen, and the ticketing or processes adjusted accordingly, as well as captured in a ticketing and operational manual designed to help continually improve the service offered.

Training is commencing for the Education Team to deliver their custom curriculum-oriented show in the planetarium. Science communicators are also being trained in content development for future shows.

The Full Dome Producer is developing a timetable of future show roll-out and a schedule of show creation. It is anticipated that we will apply to a number of funding organisations to support show development. Discussions are also underway with the University of Otago's Centre for Science Communication about potentially undertaking an evaluation of the planetarium as a tool for science engagement.

Outreach

Given the significant publicity Otago Museum attracted through Ian Griffin's Prime Minister's Science Media Communicator prize, and the very positive response by Minister Joyce and MBIE staff to the array of science engagement and outreach activities that Otago Museum lead, or was involved with, in 2015, it would be timely to leverage this further and ensure Otago Museum is acknowledged as a national leader in science engagement. To this end, a number of activities are underway.

Funding

The Science Team is actively seeking additional external support to continue and extend its outreach and community engagement activities. This includes:

- Lottery Community Scheme Grant – A joint proposal with Genetics Otago to extend the Lab-in-a-Box roadshow to areas that could not be reached in 2015. This has been submitted with results expected in April.
- Ministry for Business, Innovation and Employment's (MBIE) Unlocking Curious Minds Fund – This fund is designed to inspire and engage 'hard to reach' groups with science. The Otago Museum

anticipates submitting a number of proposals either directly (e.g., Family Science; planetarium-based proposal) or in partnership with other organisations (universities, CRIs, other museums, community groups) by the mid-March deadline.

- National Science Challenges (NSC) – Several NSCs (*Resilience to Nature's Challenges; Deep South; Sustainable Seas*) have approached the museum to gauge interest and ideas for assisting with their outreach requirements, either directly or through their own contestable funding pools. The Science Team is in the process of learning more about each NSC's research intent and content from which it can determine how it may be able to assist in, or apply for, outreach support.

Lab in a Box

After a highly successful roadshow in Term 4 last year, LIAB has been stationed at the Orokonui Eco-sanctuary and used for environmental education groups over the holiday period.

The Otago School of Medical Sciences (OSMS; consisting of the Departments of Microbiology & Immunology, Anatomy, Physiology, Pharmacology and Biochemistry) has recently confirmed it will commit \$50,000 towards maintaining and continuing the LIAB outreach activities. This funding will assist with well needed maintenance. Once completed, the Science Engagement team, working with Genetics Otago and the OSMS departments, will undertake a further roadshow in Term 1. It is anticipated the roadshow will extend from Mt Cook, down the Waitaki Valley to the ocean and Oamaru, and involve activities such as water quality measurement (e.g., from glaciers, down rivers to sea mouth) through to paleo-geology. The LIAB will also be used during Seaweeek later in February in the Octagon.

The Science Engagement team will also be actively supporting the University of Otago in its attempt to seek continued MBIE funding for LIAB in 2016 and beyond.

Otago Outreach Events

Science shows and demonstrations were delivered at Mistletoe Market, the Taieri A&P Show and at the Brighton Gala Day. Approximately 550 people were directly engaged in these demonstrations, and with over 15,000 attendees (ODT estimates), these outreach events created great visibility for the Otago Museum.

Other similar events are planned with Otago scouts at Waiora, the Mosgiel-in-the-park event, and the Octagon/Thieves Alley Market in the coming months. Several organisations have also approached the team to assist with their outreach activities, including the Southern District Health Board for Oral Health Day and teams involved with the NZ Antarctica Research Institute.

The Science Engagement Team has also been involved with the delivery of science communication sessions for senior high school students during January as part of the *Hands On Otago* programme (250 students) and the *Otago University Advanced School Sciences Academy* (60 students). Year 13 students from rural and low decile schools from all around New Zealand come to Dunedin on a camp to experience what it is like to be at University, and learn more about science and how to communicate it effectively. The students will be back in July in order to deliver their own science shows as part of the science festival.

In addition to the above, Ian Griffin gave a talk about Otago Museum, astronomy and auroras in Naseby on the evening of 26 January (prior to an executive planning retreat). The talk was very well received with over 30 attendees (representing ~30% of the locals) and residents noting they had since been actively exploring the night sky.

Participatory Science Platform

The Otago Museum-led *Otago Science Into Action* (OSIA) partnership is charged with delivering the Otago pilot of MBIE's Participatory Science Platform (PSP). To date four full projects (\$20,000) and six seed projects (up to \$1,000) have been approved for funding.

Full projects:

- *Shedding Light on the Night: Nocturnal Biodiversity in the Otago Region* (Landcare Research in partnership with Orokonui) – Investigating night time biodiversity (particularly moths as important pollinators) in the Otago region and the effects that street lighting plays on numbers and species composition.
- *Sediment and Seashores, what are the consequences?* (Marine Studies Centre) – Measuring if sediment from dredging of the Otago harbour has any impact on rocky seashores along the Otago coastline
- *Tracking Pukekura Blue Penguins* (Otago Peninsula Trust) – Tracking and monitoring Little Blue Penguin populations to identify the key determinants of their breeding success and survival.
- *Helping Tomahawk Lagoon Community look after their own back yard (ECOTAGO/OCEMES)* – Monitoring key parameters of water quality and factors that influence these, together with up-skilling other lagoon groups to measure their lagoons' health.

Seed Projects:

- *Shotover Primary School* – Identifying research options suited for school children into a plan to restore a degraded wetland (confluence of Kawarau/Shotover rivers).
- *Landscape Connections Trust* – Bringing together landowners and technical expertise to design a strategy to create a predator-free halo around the Orokonui *eco-sanctuary*.
- *Working Waters Trust* – Development of a 'Community Fish Kit' that enables landowners to survey and monitor populations native freshwater fish on their land.
- *Lower Waitaki River Management Society* – Establishing a monitoring regime for community groups alongside the lower Waitaki to measure water quality and identify habitats suitable for translocating the endangered Canterbury mudfish.
- *Dunedin Dark Skies Group* – Establishing the means to comprehensively map light pollution throughout Dunedin city and the surrounds before, during and after the proposed introduction of new LED-based municipal street lighting.
- *Connections Education & Development Trust* – Determining the feasibility and research design required to install an experimental 'living roof' and determine its impact on water drainage and insulation.

The OSIA team has been informed the pilot will be extended (at the same Coordination and Project funding levels) to 31 December 2016 and is awaiting a contract from MBIE. We anticipate issuing a call for proposals in February for the remaining project funding (~\$135,000) with the view to having projects underway in May and completed by Dec 2016.

OTAGO MUSEUM
Report to Contributing Local Authorities
February to April 2016

Director's Report

Reading this report you will find that there's been a big focus by the Otago Museum team over the past few months on reaching out to the communities we serve. From supporting Lab in a Box (LIAB) activities in Mount Cook Village, to running fun science shows on the beach in Oamaru, to having our expert conservators support colleagues in Museums across the region, Museum staff have been busy demonstrating that this Museum is an important regional asset in science engagement, education and museology.

I am pleased to report that having just gone through the Qualmark assessment process the Museum earned a score of 96%, up from 89% in 2014. This is a testament to the commitment of the entire Museum team. The Museum's Qualmark Enviro Gold status has been automatically renewed which again demonstrates this institutions ongoing commitment to environmental sustainability.

Aside from Qualmark assessment and outreach activities, it's been a busy period onsite in Dunedin, with an enormous range of programmes, exhibitions and events occurring since the last board meeting in February. In particular I'd draw your attention to the extraordinarily beautiful way the Museum team responded to ID Fashion week, with behind the scenes tours and a truly innovative exhibition in the entrance cloakroom.

Elsewhere it's business as usual here at the Museum. Attendance at the new Perpetual Guardian Planetarium remains strong, and in response to an ongoing demand for a show for the youngest members of our community, the talented production team have produced a new show "Spacetronauts" in time for the school holidays.

On a personal note, I can report that I too have been working hard to support outreach initiatives both local and national. Last week I served on the National Panel assessing applications to MBIE's *Inspiring Curious Minds* initiative, and I continue to chair the Dunedin City Council's Dark Sky Advisory Panel. I have also recently given talks in Naseby and Alexandra about the work of the Museum. To my mind being out in the community explaining our work is important, because, as our name suggests, we are the Otago Museum, not just a Museum which operates in Dunedin. A list of the talks I have given since the last board meeting is given below. I continue to write a weekly astronomy column in the Otago Daily times,

Presentation/Talk Title	Community Group/Organisation Name	Date	Number of attendees
Why Dark sky is good for Business in Otago	Mosgiel Rotary	29/02/2016	50
Night Sky Tourism. Opportunities for Dunedin	Tourism Seminar, U of O Commerce Building	2/03/2016	40
Stars of the Commonwealth	Victoria League	13/03/2016	50
Dunedin night skies	Chatsford	14/03/2016	60
Forging links for Mutual Benefit	Sister Cities Forum	15/03/2016	20
Dunedin night skies	Cargill Combined Probus Club	22/03/2016	60
Otago's Wonderful Night Sky	NZ International Science Festival Outreach in Alexandra	31/03/2016	160
USA Encore talk	The Four pillars of the Museum Strategy and Planned Developments	12/04/2016	60

Commercial Report

Finance

The month of February has been another good month's trading. It is pleasing to report that the Shop Income is well ahead of last year's sales and also ahead of budget. We have recently brought in significant new stock ranges and the new stock has been selling well.

The Café and Venues for the month of February traded ahead of last years' sales.

Visitor numbers are also tracking well ahead of last year despite the warm dry summer weather which is not the best for Museum business. The Perpetual Guardian Planetarium has been a big draw card and continues to be a very popular tourist attraction.

New High Tech Dunedin Jobs

The Perpetual Guardian Planetarium has created three high-technical jobs for Dunedin along with the contracted local artist production work ie script writing, music, graphics, design etc.

Facilities Team

The painting of the south-facing side of the Museum has been completed. It was disappointing to experience a graffiti attack just after the scaffolding had been erected.

We have purchased an electric second-hand Japanese Import electric car - 2013 Nissan Leaf. I'm really impressed with the performance and with zero emissions also impressive.



Work continues on rebalancing the HVAC system for example water flows etc.

We have installed a water fountain in tropical forest.

We are working on calculating the Otago Museum Carbon footprint and joining the Enviromark program which will assess our environmental impact. If you don't measure then it is hard to make progress on reducing our impact on the environment.

Project work continues on the Café renovation and several other projects.

Staffing

We are still receiving a good number of applicants for the Otago Museum positions:

Admin & Accounts Assistant	33
Casual Communicator	41
Curator Māori	5
Digital Content Manager	13
Front of House Officer	56
Marketing Manager	39
Museum Guide	98
Project Officer	15
Venue Officer	29

Health and Safety

We have improved our vehicle safety rating by selling our very old car and replacing it with a Nissan Leaf.

The new Health and Safety legislation has come into effect and we have been working hard to minimize our risk of accidents.

Marketing and Development

Exhibitions and displays

- The *Hākui: Women of Kāi Tahu* exhibition (Special Exhibitions Gallery, 20 November 2015 to 8 May 2016) has attracted 23,345 visitors since opening to the public. Two additional profiles have been included in the photo albums. The possibility of touring has been mooted with the Māori Advisory Committee and they have taken this back to their rūnaka for discussion, with a decision expected soon. Ongoing promotion of *Hākui* within regular marketing activity includes the weekly What's On email, What's On print adverts in both the *Otago Daily Times* and *The Star*, and ads for upcoming stat days. A schedule of programmes has been developed and these will be marketed through the Museum channels and via rūnaka and whānau.
- The Museum contributed to the iD Dunedin Fashion Week programme with *Time Warp*, a temporary display case installed in the Museum's cloakroom to create an immersive space. Over 40 items from the Museum's collection featured. A booklet was produced to accompany the display. The display has proved popular and received a lot of media interest.
- The Otago Wildlife Photography Competition opened to the public on 22 March and runs to 16 May. The exhibition opens on 8 June in the Special Exhibitions Gallery. Canon has provided the prize pack for the overall winner. Jonathan's Photo Warehouse sponsorship has continued. The amount allocated to vouchers as prizes has been increased. Photography judges are: Stephen Jacquery (Illustrations Editor, Otago Daily Times), Rod Morris (wildlife photographer) and Jonathan Kemp (Jonathan's Photo Warehouse). The video category will be judged by Paul Donovan (documentary cameraman).

- The Discovery World mini refresh is underway. The target date for completion is likely to be in early May. The Design team have updated the current floor plan, the space will be repainted and various interactives will be upgraded.
- Following the passing of Barry Brickell in January, the team installed a temporary case on Atrium Level 1, which featured pots made by Brickell, as well as the touchable tiles he created especially for the *Intersections: Ceramics from Ralph Hotere's Person Collection* exhibition.

Shanghai Natural History Museum (SNHM) exhibition

- A new contact has been appointed as the Otago Museum liaison at the Shanghai Natural History Museum. A letter of intent has been sent, outlining the scope and timeframes relating to the natural history exhibition scheduled to travel to Shanghai in 2017. The Head of Design and a member of the Executive Team will be visiting Shanghai to view the new exhibition space as work on the project recommences.

Projects

Planetarium project:

- Familiarisation tours to promote the Perpetual Guardian Planetarium have been delivered to Dunedin Host, the Regional Destination Manager from Air New Zealand and staff from Larnach Castle.
- Staff are investigating setting up Veezi Point of Sale at the iSite office in the Octagon and at the cruise ship wharf to target independent cruise ship passengers and free independent traveller (FIT) tourists arriving in Dunedin.
- Admission numbers for the planetarium from opening to 16 March 2016 are as follows:

Month	Dec	Jan	Feb	Mar	TOTAL
Amazing Universe	2,351	4,067	1,389	623	8,430
Showings	78	93	87	48	306
Occupancy	60%	87%	32%	26%	54%
Mārama ā-Whetū	377	623	203	81	1,284
Showings	25	31	29	16	101
Occupancy	30%	40%	14%	10%	25%
The Sky Tonight	1,009	2,007	565	294	3,875
Showings	53	62	58	32	205
Occupancy	38%	65%	19%	18%	37%
Total admissions	3,737	6,697	2,157	998	13,589
Total Showings	156	186	174	96	612
Daily Occupancy %	48%	72%	25%	21%	43%
Sellout Shows	12	55	4	-	71
Near Sellout Shows (45+)	13	32	1	-	46

Beautiful Science gallery:

- Testing of new interactive elements and instructional videos is underway. Southern Photonics and The Dodd-Walls Centre are working with the Gibson Group to research the possibility of replacing the laser lights with more robust and sensitive LED lighting.

Discovery World Stage II:

- A call for tenders to take the Story Inc concept to final delivery closed on 22 February. A recommendation will be made to the board by the core project team for selection of the successful tender.

Southern Land, Southern People gallery refresh:

- A gallery project team will audit, scope, budget and timeline the gallery refresh. A project charter will be signed off before work is undertaken.

Programmes and events (P&E)

January school holiday programmes:

- The Programmes and Events team ran a full-day rocketry workshop in the Hutton Theatre and on the Museum Reserve led by Kennedy Space Center engineer Anna Murphy. Participants designed and launched their own bottle rockets, capsules and parachute systems.
- Two sold-out screen printing workshops were run in collaboration with Dunedin company The Print Room in support of the *Einstein: 100 Years of the Theory of General Relativity* exhibition.

Who Cared? Otago Nurses in WWI:

- The final day of the *Who Cared? Otago Nurses in WWI* exhibition was marked with poetry from the Great War era, read by 2013–2015 Poet Laureate Vincent O'Sullivan, and extracts from the memoirs of WWI nurses, read by *Lives We Leave Behind* author Dr Maxine Alterio, in the 1877 Gallery.
- The winners of the poetry competition in support of this exhibition were announced, and the participants read their winning entries.

Hākui: Women of Kāi Tahu:

- In the last Board report to the board it was noted that a kaitiaki training day was scheduled for members of local rūnaka, with the intention that they would interact with visitors and act as guardians of the exhibition and taoka. Unfortunately, this was cancelled due to low response.
- Workshops in support of the Hākui exhibition have been scheduled for April and May. They will be led by Kāi Tahu, Kāti Māmoe and Waitaha weaver Amber Bridgman, and include:
 - *Mahi Toi o Huruhuru*, an interactive workshop for children focusing on methods of preparing feathers for weaving
 - *Mahi Toi Raraka*, a programme where children learn how to make their own manu aute kites and test them out on the Museum Reserve
 - *Te Aho o Hākui – The Thread of Hākui*, a workshop for adults around the extraction of muka fibre from harakeke.
- The Public Engagement team will be running an *Inspired by Hākui* makerspace during the school holidays where families are encouraged to visit the *Hākui: Women of Kāi Tahu* exhibition and then try their hand at poi, raraka (weaving), whiri (plaiting) and artwork.

- The Programmes and Events team are in discussions to deliver a talk and afternoon tea for past pupils of Te Waipounamu Māori Girls' College and their whānau, providing an opportunity to share their memories of the school.
- Museum staff are meeting with the Hākui Steering Committee to discuss the exhibition's closing ceremony.

iD Dunedin Fashion Week – Best Dressed Tours:

- Organised by the Programmes and Events team, and delivered by Collections and Research staff, the 'Best Dressed' basement tours were again a very popular part of the Museum's fashion week offering. Over 100 people went on the tours.

Galleries:

- The Highlights Tour will now be available twice daily, at 11am and 2pm.

Brain Week:

- Feedback received from organisers and participants indicated that this year's events were attended by significantly more people than previous years, and that the activities provided were interactive, well rounded and reached a far greater audience.
- The Museum screened the Neurodome show through the Department of Physiology, New York Medical College on the terms that it was used as an educational tool and was free of charge to the public. All sessions were fully booked well in advance. Feedback from some participants (and those who were unable to secure bookings) indicated that they were now more encouraged to purchase tickets for the regular planetarium shows.

Public Engagement:

- The title of the Gallery Communicator role has changed to Museum Guide to greater reflect all that the role entails.
- The Public Engagement team has an intern working with them for four months to help facilitate the Museum's programmes and events.

Media coverage

- The Otago Daily Times ran coverage of the Jean Muir suede dress piece.
- Strong coverage was seen across platforms for events associated with Brain Week, particularly for the Neurodome Show.
- Media interest in iD cloakroom takeover (Time Warp display) was significant and good coverage was given through iD channels.
- The Otago Museum was included in the Meeting Newz Otago/Southland feature, with a focus on the Perpetual Guardian Planetarium and Beautiful Science Gallery as versatile event spaces.
- Sonia Sly, Radio NZ and Sly on the Wall, completed a radio interview for the RNZ programme 'Standing Room Only' around the Best Dressed Basement Tours for iD. This will also potentially be covered on her personal site, Sly on the Wall.
- TV3 ran a story on Museum Director Ian Griffin and the Dunedin aurora hunters, with the Perpetual Guardian Planetarium featured.

Qualmark

- The Museum went through the Qualmark assessment process and earned a score of 96%, up from 89% in 2014.
- The Museum’s Qualmark Enviro Gold status has been automatically renewed.

Website

	15 December 2015–22 March 2016	15 December 2014–22 March 2015
Number of sessions	47,412	24,245
Number of pageviews	167,940	61,465
Percentage of new sessions	64.88	75.06
Average session duration (time on website)	00:03:30	00:01:40

Marketing and Development Updates

- The Venues team is in the process of finalising updated venues packs incorporating new spaces and offerings.
- The Museum was offered, and took up, the opportunity to have a free tent site at O Week Tent City on the Museum Reserve. A positive brand awareness exercise, it pushed the Planetarium, *Hākui*, Discovery World Tropical Forest and the Museum to this key target market group and collected email addresses to grow our databases.
- During the period, the Museum participated in the Museums Aotearoa National Visitor Survey 2016. Museums Aotearoa will be releasing the results in May.
- Dunedin TV’s Museum Diaries March episode features Assistant Curator, Natural Science Ellen Sima, Collection Manager, Humanities Scott Reeves, Research Officer Dr Carolina Loch and Honorary Curator of Dress and Textiles Jane Malthus.
- A student from Kaikorai Valley College is completing work experience with the Design team via the Gateway Programme.
- On 17 March Head of Design Craig Scott presented a workshop to Otago Polytechnic School of Design post-graduate and honours students on the Unschool of Disruptive Design, based on the conference he attended at the end of January.
- From 3–7 April the Head of Design, Collection Officer and Content Services Manager will attend the NAI conference in Wellington, an international interpretation conference. The Head of Design and Collection Officer will present ‘*Who Cared?* Students and museum staff collaborate to honour WWI nurses’, while the Content Services Manager will present ‘Creating an interactive te reo Māori experience’.

Collections, Research and Education

Access requests

Several requests to access the Museum's collection have been granted over the recent period.

- Jenny Moss from Luggate and her husband Steve, both retired school teachers interested in the history of the Upper Clutha area, have asked to visit the Museum to see the stone bowl found near Luggate (D48.79).
- Dr Jennifer Cattermole, Lecturer in the Music Department at the University of Otago, has asked to bring new students taking taonga pūoro performance papers this year to the Museum to view taonga pūoro in storage. The visit is scheduled for 5 April. Dr Cattermole has been the Facilitator of the University of Otago taonga pūoro group since July 2013. She brought a group of students to the Museum for a similar visit last year.
- Donald Phillipps asked for images of item(s) from the Willi Fels Memorial Gift to illustrate an article on the development of the Otago Museum Classics collection for *Flotsam and Jetsam*, the newsletter for members of the Friends of the Hocken Collections. Dr Elizabeth Whitcombe (MA(NZ), MA(Oxon), PhD (Lond), MB B Ch (Otago)), a student in the Department of Classics at the University of Otago in the 1950s, was to deliver a talk titled 'Education for a lifetime: an Otago alumnus reflects'. Mr Phillipps' article was written in this context.
- Gavin Thomson, a pounamu carver, has asked to have access to carved stone taoka from the Whareakeake site, plus any other artefacts from the site that include decorative motifs.
- Staff of the Corning Museum of Glass, New York, asked for images of Blaschka glass marine invertebrate models in the Otago Museum collection. These will form part of a map interactive in an exhibition due to open in May 2016. Images of the marine invertebrate models in Animal Attic table cases were supplied to help fulfil their aim of giving a visual impression of the number of models the Blaschkas made as well as their geographic reach, and to give exhibition visitors the sense of traveling around the world, viewing Blaschka models. The Otago Museum was also able to facilitate their contact with staff at Canterbury Museum and, over a separate Blaschka issue, the Department of Botany, University of Otago.
- Award winning steampunk costume-maker Simone Montgomery has been asked to make a bicorn hat for David Elliot, the award winning Port Chalmers author and illustrator of children's books. Ms Montgomery asked to have access to a bicorn hat in storage in the Otago Museum collection as part of her research into the techniques of bicorn hat construction.
- Federico Carbone, a PhD student in Greek and Roman Numismatics at the University of Salerno, Italy, has asked for images of coins in our collection from the Cretan sites of Phaistos and Gortyna, as part of his doctoral research.
- Dr Philip Moore asked to examine worked stone from the Tai Rua site, and possibly other North Otago archaeological sites, hoping to identify examples of 'palla' (silicified tuff) among the stone flakes. The visit is part of a larger research project on the early Māori use of silicified tuff in the Canterbury region.
- Images of the two Elizabeth Lissaman dishes in our collection (F2008.22 and F2008.23) were requested as part of preparation for a planned book on Elizabeth Lissaman that Jane Vial is co-authoring with Steve Austin of the Marlborough Museum.
- University of Otago Special Collections Librarian Donald Kerr asked to borrow one of a pair of spectacular green satin Christian Dior shoes as a highlight item for their *Fashion Rules OK* exhibition. Donald Kerr and Romilly Smith worked with Elaine Webster (Director, Summer School & Continuing Education) to produce this exhibition which opened on 11 March 2016. The display content is primarily fashion, costume books and magazines, and (other than our shoe) draws on

several University and Polytechnic collections. Dr Webster was also one of the interviewees on the most recent filming session for the Dunedin TV Museum Diaries programme, talking about the Christian Dior shoe and the loan.

- The dedicated website page for use by the students of Dr Osland's CLAS108 Stage 1 course reported to the previous meeting went live on 9 March:
<http://otagomuseum.nz/collections/search-the-collection/list/1>
- Emeritus Professor Norman Hammond, Boston University, visited the Museum. Professor Hammond was the Royal Society of New Zealand's 2011 Aronui Lecturer and the De Carle Distinguished Professor at the University of Otago in 2013. Early this year he delivered lectures in the Otago Summer School ARCH210 Special Topic: The Archaeology of Maya Civilisation. He asked to view our (small) collection of Meso and South American ceramics in storage the day before he was due to fly out.
- Visiting researchers Martin Fikaeka (Natural History Museum, Prague) and Matthias Seidel (Charles University Prague) visited the Museum's Hydrophilidae (water beetle) specimens as part of their taxonomic review of this beetle family. Further loans of material maybe requested.
- Scientific illustrator Elsie Percival visited the collection to photograph the mounted bird specimens that exhibited leucistic plumage mutations. The paintings she creates will be available for illustration interpretation of these specimens.
- A collection of marine mammals were shared with the public during Seaweek's Lab-in-a-Box sessions in the Octagon. It was an opportunity for Collections staff to discuss skull morphology, adaptations and diversity in Otago's Marine mammals. Around 53 people visited during the morning session.
- Ramari Stewart visited to collect measurements and photographs of an Arnoux's beaked whale to assist with a cetacean cleaning project for Southland.

Acquisitions and donations

- The Jean Muir dress donation reported at the last Board meeting was the subject of an *ODT* article in early March.
- Recent donations include: A late 1950s-early 1960s St Ives standard ware bowl.
- Work continues on the sorting, cataloguing, accessioning and condition reporting of the Ron Gardener Jurassic fossil collection.

Protected Objects Act

- The Otago Museum has reported the following taoka to the Ministry for Culture and Heritage:
 - A pounamu adze blade found in Otago Harbour, near Harwood. The context is a secondary redeposit of faunal material.
 - A large piece of obsidian found between the coast and Middlemarch.
- Z numbers have been allocated by the Ministry for Culture and Heritage, and applied to, the taonga tūturu reported at the previous Board meeting. We are waiting to be advised of ownership decisions.

Publications

- Harris, A.C. 2015. 'A method for preserving insects with fine hair pile in a relaxed state in the field using creosote preservative' in *The Weta* 50: 55-56.

- Horowitz, W., Reeves, S., Stillman, L., White, M., and Zilberg, P. 2016. 'Cuneiform Texts in The Otago Museum: A preliminary report' in *Buried History* 51: 51-56.
- Rawlence, Nicolas J.; Scofield, R. Paul; Spencer, Hamish G.; Lalas, Chris; Easton, Luke J.; Tennyson, Alan J.D.; Adams, Mark; Pasquet, Eric; Fraser, Cody; Waters, Jonathan M.; Kennedy, Martyn. 2016. 'Genetic and morphological evidence for two species of Leucocarbo shag (Aves, Pelecaniformes, Phalacrocoracidae) from southern South Island of New Zealand' in the *Zoological Journal of the Linnean Society*.

Conservation at the Otago Museum

- Core work around exhibitions, loans, access requests and acquisitions has been ongoing, with a particular focus on the iD Dunedin Fashion Week display, completing the data collection phase of the Museum's light survey, preparations for the start of the Natural Science entomology type specimen digitisation project, loan returns and treatment options for the Museum's rock art tracings and drawings collection.
- In light of the Museum's current forward planning discussions, the Conservation Manager now has regularly scheduled meetings with the Head of Design and the Project Manager, respectively, with a view to sharing knowledge across teams and to allow preventive conservation issues, such as pest management, to be integrated into projects at an earlier stage.
- The Conservation team have also assisted the Full Dome Producer with Environmental Monitoring in the Beautiful Science Gallery, and are working with the Design team to complete a number of jobs designed to improve the appearance of particular sections or cases across the galleries.
- The team hosted two very enjoyable visits from classes taking part in the Education team's Science Kids programme.
- The team also welcomed visits from Edith McKay (Cromwell Museum Director), Judith Taylor (National Services Development Officer for the South Island), Dr Catherine Smith and associated researchers from the Department of Applied Science at the University of Otago.
- Lizzie Meeks (Programme Manager - Artefacts at the Antarctic Heritage Trust) visited and was interested in discussing how the Museum has managed to set up a flexible conservation lab space on a relatively modest budget.
- The Conservation team attended a powhiri at Araiteuru Marae at the invitation of Te Hau Moses from Community Law Otago, and reciprocated with a visit to the conservation lab. Te Hau is well respected and known in the local community, is very supportive of the outreach work that the Conservation team are currently undertaking, and is keen to assist the team in furthering this type of work and building relationships in the community.
- The Conservator completed a height and platform training course which will allow the team to more safely carry out gallery cleaning work at height.
- Both the Conservation Manager and the Conservator also attended a training day on the identification of New Zealand plant fibres using Polarised Light Microscopy (PLM), delivered by Drs Rachel Paterson and Bronwyn Lowe from Applied Science. The Conservation team also organised and facilitated a workshop on micro fading, delivered by Drs Bronwyn Lowe and Catherine Smith. The workshop was the first to be held for conservators in New Zealand and demonstrated the significant potential of the technique within the Museum. Both workshops/training days came about as a result of increased dialogue with University staff. They have the potential to allow the Conservation team to carry out important research into collection objects themselves and how to best preserve item in the long term. An initial research proposal using PLM to identify plant fibres used to manufacture Māori textiles was presented to the Māori Advisory Committee and given approval in principle, while it is hoped micro fading analysis will be used to assist with object selection and exhibition design in future gallery redevelopments such as Tāngata Whenua.

- As part of our Regional Museums programme, the Conservation Manager delivered a training day on Handling, Condition Reporting and Basic Surface Cleaning at Cromwell Museum.
- The Conservation Team have also completed a two-day site visit at South Otago Museum, collecting data that will result in a review of that museum's preservation needs and a prioritised action plan.
- A range of training and assessment activities have also been agreed with both Olveston Historic Home and North Otago Museum.
- Prior to the June Board meeting the Conservation Manager will be reviewing the existing allocation and effectiveness of the free conservation and collection care support offered during this initial trial year with a view to presenting recommendations to the Board for the next 12 to 24 month period.
- As a result of the Conservation team's regional support work, the Conservation Manager was contacted by David Louni, the Heritage Project Officer for Gore District Council, for advice regarding lighting at a new Aviation Heritage Centre. This culminated in a very interesting and connection-building visit to several of the heritage institutions in Gore. As a result of conversations with several of the regional museums, the Conservation team will be looking at the resources available on the conservation page of the Museum's website, with a view to adding and improving the existing material. The Conservation Manager has also been involved in the organisation of the upcoming Regional Museum Gathering. Due to greater than expected interest, this event will now be held in one of the Museum's larger venue spaces.
- The Conservation Manager and the Director, Collections, Research and Education attended and led the first Dunedin Arts and Cultural Centres Preparedness meeting with representatives from a range of institutions in the GLAM sector. The meeting was very successful and the Conservation team will be following a number of suggestions made at the meeting, including gathering data on how best Dunedin institutions can work together and support each other in regard to Collections Disaster Preparedness.
- Finally, interest in the team's contract conservation services continues at a steady pace, both from the public and from other heritage institutions in the region.

Education

Methodist Mission and Otago Museum Science Kids programme:

- Term 1 programme has begun with groups from Green Island and Musselburgh School.
- Schools for the Term 2 programme are being finalised.

Unlocking Curious Minds Family Science and Technology Events:

- MBIE contract ended for this programme on 28 February.
- Nine sessions were delivered in Dunedin; two sessions were delivered in the Clutha district.

Discovery Squad:

- High attendance seen for January period.
- Planning for April schools holiday is underway; only one week of the programme will be delivered to allow Discovery Pad to be given a refresh.

Perpetual Guardian Planetarium education programme:

- The Education team completed development of the curriculum-linked education show. This is a live-show offering different content to the public shows.
- The Education Team began consultation with local secondary science teachers to determine the content for the secondary education programme to be launched for Term 3.
- Bookings are high across the Matariki period (May – June) and a number of sleepover groups have opted to take up the programme.

Pre-school education:

- Pre-school bookings have been high across February and March.
- The Education Team is collaborating with the Dunedin Childcare Association to develop two new pre-school education programmes, with one being a planetarium show.

LEOTC:

- The biannual Milestone report to the Ministry of Education was due at the end of December. This included a full report on numbers, budget figures, satisfaction rates, new initiatives, resources and staffing. The response was very positive and referred to a 'very successful 6 months'.

New programmes launched in 2016:

- The following new programmes were launched for the beginning of the 2016 school year:
 - Bug Census (outreach)
 - The Lay of the Land (outreach)
 - Ancient Myth and Mummification (outreach)
 - Te Tiriti o Waitangi (gallery based)
- The Education team continues to work closely with the wider Collections team to develop the NCEA Textiles programme. Honourary Curator Jane Malthus is also involved.

U3A Grant – curriculum-linked collection videos:

- The filming of three curriculum-linked videos has been completed. These videos link collection objects with curriculum areas and will be made accessible to teachers through our website once the editing process is complete.

A table recording student number participation follows. Please note these numbers include multiple programmes by the same class on the same visit – excluded from Ministry’s criteria for student counting, to be reported in Milestone Reports. This table does not include numbers from non-applicable institutions or adults.

LEOTC APPLICABLE ONLY		July 2015 - June 2016				
March 2016						
Annual Participation to: 31 March 2016						
Actual participation in LEOTC programmes for:	Year 0-3	Year 4-6	Year 7-8	Year 9-10	Year 11+	Total
Total Year to Date	1,123	1,880	1,204	290	147	4,644
Target 1 July to 31 March 2016	680	680	680	112	112	2,264
Percentage of Target	165%	274%	177%	259%	131%	205%
Annual Target (July 2014 - June 2015)	935	935	935	155	155	3,115
Percentage of Annual Target	120%	201%	128%	258%	95%	205%
Target Percentage to the end of June 2015	73%	73%	73%	73%	73%	73%

Targets are calculated based on an 11 month school year.

Conference attendance

- Curator, Humanities Moira White attended the Making Women Visible conference, held at the University of Otago in February 2016. She presented a paper on a small group of 1920s ceramics in the collection. The conference was in honour of Professor Barbara Brookes of the Department of History, University of Otago, whose new book, *A History of New Zealand Women*, was launched at the Otago Museum at the start of the conference.
- Research Officer Carolina Loch attended the Biomouth Conference hosted by Plant and Food Research, Lincoln University. She presented her work on characterizing the vestigial teeth of a Cuvier’s beaked whale in the Otago Museum’s collection.
- The Collection Manager, Natural Science Cody Fraser attended the Australasian Registrars Committee conference in Auckland in March.

Other

- Recruitment for the Lottery funded positions of Project Officer and Digital Content Manager, Taoka Digitisation Project has been completed. The new appointments will commence at the Museum in April.
- Applications for the position of Curator Māori closed on 11 March. Interviews will be held in early April.
- Piction, the Museum’s preferred Digital Asset Management System, has now been acquired with Lottery Funding. Implementation is expected to commence in late April.

Science Engagement

Discovery World

The *Supercool Science* Greatest Science Show in the History of the World Ever has proved popular, with the levitating mobius track wowing audiences. The team has now developed a new show called *Stop the Extinction* for the April School Holidays.

February and March saw the delivery of first term of *STEAM Team*, the Otago Museum's new afterschool club. STEAM integrates traditional STEM (science, technology, engineering, and maths) activities with the arts. This has proved very popular with up to 20 children attending each week over the term. In term 2 the theme will be *Amazing Materials* and will introduce the children to physics and chemistry, as well as the science of sound and art.

A cross-museum working group is planning a partial refresh of Discovery World after the April school holidays. It is important that visitors continue to have quality experiences in this area leading up to the full renovation in 2017

Living Environments – Tropical Forest

The Tropical Forest had some minor maintenance and refresh work performed during February and March thanks to the Facilities team. Changes have included:

- Lift door had a padlock added to increase security
- Wooden bridge refurbished
- Mirror wall plumbing repaired
- Visitor drinking fountain in Tropical Forest Discovery Zone installed

On the 21st March the Museum's permit to import butterflies was renewed by the Ministry for Primary Industries.

There has been an increase in the amount of *First Flights* experiences being delivered to special groups with many group visitors opting for a combo ticket option when visiting the Perpetual Guardian Planetarium.

Perpetual Guardian Planetarium (PGP)

The Perpetual Guardian Planetarium (PGP) continues to prove popular particularly at weekends and over holidays. Weekday numbers have reduced after the summer holidays, and we have altered the number of show times to meet the demand.

We are seeing an increasing number of groups wanting to visit. February and March saw eleven pre-booked group visits, five functions and a number of special tours. The Science team is also working closely with Venues to accommodate and deliver evening shows and familiarisation visits for tourist operators and conference organisers.

In February the PGP hosted the Matariki Network of Universities for a planetarium show as part of their conference opening. Also in February a panel of female museum staff discussed their career experiences with high school girls interested in science for the International Day of Women in Science. This afterschool session was run in conjunction with LIAB and the Dodd Walls Centre in the Perpetual Guardian Planetarium. It proved very popular and we are looking to make it a regular event.

Other highlights over this period were:

- Three special screenings of the short film 'Neurodome' were held for Brain Week and booked out very fast.
- The PGP hosted its first academic lecture, with visiting Italian professor Massimono Bucci delivering his *Picturing Science* talk to a full house of Otago Museum and University staff.
- Delivery of the first two education programs in the planetarium.

A new kids show, *Spacetronauts*, has been developed and will be launched in the April school holidays. A shorter version with higher light levels suited for pre-schoolers, *Spacetronauts - Mini Adventurers*, has also been developed and will be offered on weekday mornings (Tuesdays and Thursdays) after the school holidays.

Outreach

Events

February and March were a very busy period for outreach activities with the following science shows and demonstrations delivered:

- *Thieves Alley Market* in the lower Octagon (13 February)
- *Otago Scouts Founders Week* at Waiora (20 February)
- *Orientation Week Tent City* on the Museum Reserve (22-26 February)
- *Mosgjel in the Park* family fun day at Memorial Park (28 February)
- *Community Open Day* at Oamaru's Friendly Bay (27 March)

With over 1,100 people directly engaged in these demonstrations, and over 12,000 attendees, these outreach events provided great visibility for the Otago Museum. Similar events are planned with the Methodist Mission's Little Citizens group and the Gas Works Museum in coming months.

The Science Team supported the NZ International Science Festival and the University of Otago, in the delivery of a Mini-Science Festival in Alexandra over 29-31 March. Over 200 children enjoyed learning about the night sky in Star Lab. Dr Ian Griffin also gave a talk on astronomy and auroras on the evening of the 31 March. This was particularly popular with over 150 attendees.

The Science Team planned and delivered two collaborative outreach events at the Otago Museum:

- *Mendel Day* (6 March) – in conjunction with Genetic Otago, a hands-on DNA extraction day was held in Animal Attic to commemorate 150 years since Mendel's landmark publication. Visitors were able to learn how much of their DNA they shared in common with various exhibits in the gallery.
- *World Oral Health Day* (20 March) – In collaboration with the SDHB's Community Oral Health Service, BLIS Technology Ltd, and the University of Otago's School of Dentistry, the Science team planned and delivered a family fun day involving hands-on demonstrations (Atrium), a science show and expert talks (Barclay Theatre). It was a well-attended and received event, with positive feedback from the partners.

The team also supported the suite of activities hosted for *Brain Week*, including delivering the very popular Neurodome show, running Dream Diaries in Discovery World, and hosting a BristleBot makerspace workspace in Search Centre over 11-12 March.

Funding

The Science Team has been actively seeking additional external support to continue and extend its outreach and community engagement activities. Proposals developed over this period included:

1. Ministry for Business, Innovation and Employment's (MBIE) Unlocking Curious Minds (UCM) Fund – The Otago Museum submitted two projects directly, and was a significant partner on three others (outcome expected in May 2016):
 - *Far from Frozen* – Otago Museum partnered with Antarctica NZ, NZ Antarctic Research Institute (NZARI) and Otago University researchers on a proposal aimed at demonstrating the importance of Antarctica in driving Earth's systems and their resultant climatic and sea-level changes. Using

footage from award winning filmmaker Anthony Powell configured for the planetarium and virtual reality headsets, portable interactive models and real time data feeds from Antarctica, the proposal sought to inspire and engage families and rural communities in understanding the drivers of climate change.

- *STEM Xchange* – In partnership with the Dodd Walls Centre, this proposal aims to develop STEM (science, technology, engineering and maths) based science kits suited for 5 – 12 year olds, and make these available to primary schools and clubs (e.g., scouts; church groups; science clubs) throughout the Otago region in a library-loan fashion. Each box would be accompanied by the Science Communicator upon first loan to train the teacher or mentor in how to use the kit with the students.
 - *LIAB II* – The Science Team supported Genetics Otago in its re-bid to continue and extend the reach of LIAB. The focus of this proposal evolved from its original “*Taking science to the country*” to a proactive “*The country taking on science*”; wherein rural schools will be encouraged to take part in citizen science research programmes.
 - *Piloting the Otago Interplanetary Cycle Trail* – The Science Team supported the Otago Central Rail Trail Trust proposal to map a scale model of the solar system over the rail trail and use it as a means of introducing students, communities and visitors to understanding the concept of scales and the science behind astronomy.
 - *Project Fun Science* – this proposal was developed by local science outreach enthusiasts and involves multi-media to capture and train students and teachers how to undertake fun and safe science experiments. The Science Team would help in the outreach to schools if successful.
 - *Backyard Biodiversity* – this peninsular-based project engages schools and families more deeply with understanding nature. The Science Team assistance was sought to help with outreach to schools and community events.
2. Deep South National Science Challenge – a proposal was developed based on the aforementioned Far from Frozen partnership. It involves using the LIAB platform to survey rural schools and communities about their perceptions of climate change, its impact, and from which sources they trust information on the issue from. This information would then be fed back into the Challenge teams to aid future research prioritisation.

In addition, the team is awaiting the outcome of their Lottery Community Scheme Grant proposal. This was a joint proposal with Genetics Otago to extend the Lab-in-a-Box roadshow to areas that could not be reached in 2015. The outcome is expected in April.

Dodd Walls Centre

The Dodd Walls Centre have continued to help support the Science Team LIAB-based outreach activities. The Dodd Walls Centre have also co-funded a six month outreach development role within the Science Team. Michael Smith will work on developing a new suite of optics and physics-themed science demonstrations and experiments for use in Discovery World, Search Centre and Lab-in-a-Box, as well as planning and delivering significant outreach events such as for DWC Symposia and NZISF. He will also work on developing professional development training for the Science and DWC team members.

Lab in a Box (LIAB)

With new funding support from the University’s Otago School of Medical Sciences (OSMS) the LIAB received some well needed maintenance in February before embarking on its Term 1 road trip.

Over February the Science Engagement team planned an outreach roadshow that extended from Aoraki Mt Cook, down the Waitaki Valley to the ocean and Oamaru. The planning phase helped build some new collaborations with the Department of Microbiology & Immunology and Physiology.

During March LIAB visited Aoraki Mt Cook School, Twizel Area School, Omarama School, Papakaio School and Waitaki Girls High School, and reached over 700 people. Staff from both the Microbiology & Immunology and Physiology Departments joined the Science team on the road trip and provided a set of new science demonstrations and speakers for evening talks. The team also delivered a series of Dodd Walls and Physics themed sessions on-route.

As part of this roadshow we were able to forge a collaboration between the LIAB and a regional Participatory Science Platform (PSP) project on water quality. During a visit to Papakaio School, PSP team scientist, Dr Jonathan Kim, delivered a session for students analysing local pond samples and identifying invertebrates. The LIAB and Science team subsequently worked with the PSP project at the Tomahawk Lagoon a few weeks later.

The Waitaki Mayor, Gary Kircher, also visited the LIAB at Papakaio. He was impressed with how it was being received and took up an invitation to host the LIAB at Friendly Bay in Oamaru during the Easter Holiday for a community open day. This open day proved very popular with over 100 attendees and the Mayor requesting a return visit for the upcoming school holidays.

In addition, to the above, the LIAB made a special appearance in the Octagon during Sea Week. The Otago Museum Collections & Research and Science teams worked together to offer visitors the chance to learn about the Otago Museum's marine collections and undertake hands-on exploration of our coastal systems. The Department of Conservation, Marine Studies Centre and various volunteer groups also used the LIAB as a base to interact with the public about planned Sea Week activities.

Participatory Science Platform

The Otago Museum-led *Otago Science Into Action* (OSIA) partnership is charged with delivering the Otago pilot of MBIE's Participatory Science Platform (PSP). We have successfully delivered on the first pilot contract and recently received, signed and returned a contract that extends the Otago PSP (at the same coordination and project funding levels) to 31 December 2016.

We have since issued a third call for proposals on 1 March. This will be the main PSP round for 2016, and has the potential to invest over \$135,000 (\$115,000 of new Project Funding and \$20,000 of funding carried forward from first pilot period). The deadline for proposals is 19 April. We anticipate having projects underway in May and completed by December 2016. We have placed a specific emphasis on advertising to rural communities, and are receiving a consistent stream of interest.

Current projects are receiving very good press coverage, and OSIA is working with Prof Nancy Longnecker (University of Otago, Centre for Science Communication) and MBIE on evaluating the pilot projects as well as the overall PSP process.

UPDATE ON ARCHIBALD BAXTER MEMORIAL

Department: Parks and Recreation

- 1 The purpose of this report is to update the Committee on progress of the Archibald Baxter Memorial Trust.
- 2 The Archibald Baxter Memorial Trust in consultation with staff have identified a preferred site for the memorial to conscientious objectors and are working through selection process for the design of a memorial garden on-site.
- 3 The preferred site is supported by staff and key stakeholders.

RECOMMENDATIONS

That the Committee:

- a) **Notes** the Update on Archibald Baxter Memorial report
- b) **Notes** the preferred site for the Memorial is located at the intersection of Albany and George Street
- c) **Notes** the approval of the final design of the proposed Memorial at the Albany Street Site will be given by the Group Manager, Parks and Recreation in consultation with the Urban Design Team Leader with consideration given to the existing environment and on-going maintenance costs.

BACKGROUND

- 4 In June 2014 a report to the Community and Environment Committee advised that a request had been received from the Archibald Baxter Memorial Trust (the Trust) for the use of a Council managed reserve for the installation of a sculpture garden that would commemorate the actions of the conscientious objector Baxter and his comrades who were shipped to the Western Front during the First World War.
- 5 The report sought Committee approval in principle for the use of the site, subject to the development of a formal agreement with the Trust with regard to the use, design, costs and on-going maintenance and management of the garden.
- 6 Following discussion it was moved (Calvert/Vandervis):

"That Council engage with the Archibald Baxter Trust to develop a proposal and draft agreement, relating to the development of a memorial garden including consultation in particular with the RSA and other interested parties, use, design, costs, on-going maintenance and management of the garden for consideration by Council."

Motion carried

- 7 The original site investigated was at Anzac Ave which was ruled out following infrastructure related constraints and was subject to debate by members of the public.

The Trust was encouraged to work with staff to identify other locations for the memorial.

- 8 The Trust has since considered other options, including facilitating discussions with various partners including the University of Otago, a number of churches, and private land owners. These discussions did not identify a suitable site for the memorial.
- 9 The Museum Reserve (the reserve) was identified in 2015 as a potential site for the Memorial. Staff worked with the Trust and engaged with the Museum board to establish whether the site was suitable. While the site possessed many of the desired characteristics required for the Memorial it was concluded that a reserve development plan was needed to identify the long term development goals for the site.

DISCUSSION

- 10 Following discussions with the Trust, it was recommended that approval of the site and final design and installation (including ongoing costs, maintenance etc.) be dealt with as separate matters. This mitigates the risk of the Trust committing to a development before a site is confirmed.
- 11 Representatives from the Trust visited a number of alternative sites with senior staff. These covered range of options from garden settings to small grass areas.
- 12 The Trust’s preferred site for the Memorial is the existing grass and garden area located at the intersection of Albany and George Streets. The site location is shown on Attachment A. The site is elevated which provides for a variety of design options, and is situated in a high pedestrian area which is important to the Trust. Sites excluded were the Woodhaugh Gardens and the Botanic Garden.
- 13 Staff have discussed the Albany Street site with the Trust and are satisfied with the proposed location from a management and design perspective.
- 14 Staff have identified infrastructure assets underground the site and provided the Trust information on loading and any future requirements if access to these assets is required. This information will be considered when choosing a final design for the Memorial.
- 15 Staff recommend the removal of the current flower bed to allow for the installation of the Memorial and will work with the Trust on final plantings and landscaping to ensure on-going maintenance costs are minimised.

OPTIONS

- 16 Not applicable.

NEXT STEPS

- 17 Staff will continue to work closely with the Trust on all facets of the project to ensure both the Trust and the community's best interests are at the forefront of the final approved design. This will include a staff member on the selection panel for the designs and input into the selection process.

Signatories

Author:	Jendi Paterson - Recreation Planning and Facilities Manager
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Authoriser:	Glen Hazelton - Team Leader Urban Design Ruth Stokes - General Manager Infrastructure and Networks
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Attachments

	Title	Page
A	Proposed Memorial Location	52

SUMMARY OF CONSIDERATIONS

Fit with purpose of Local Government

This report enables democratic local decision making and action by, and on behalf of communities.

Fit with strategic framework

	Contributes	Detracts	Not applicable
Social Wellbeing Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Economic Development Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Environment Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Arts and Culture Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Waters Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spatial Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated Transport Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks and Recreation Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other strategic projects/policies/plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The development of memorials in public open space support a number of strategic objectives.

Māori Impact Statement

No known impact to tangata whenua

Sustainability

The proposed location will allow the Trust to progress design options for the final Memorial to be constructed.

LTP/Annual Plan / Financial Strategy /Infrastructure Strategy

No implications

Financial considerations

No financial implications, any ongoing maintenance costs will be absorbed in current parks operation budgets.
The cost of the construction and installation will be covered fully by the Trust.

Significance

This decision is considered low significance under Council's Significant and Engagement policy.

Engagement – external

Comment on the location was sought from the RSA via their representative Lox Kellas. The matter was raised at their Board meeting and there were no issues identified with the site. Comment was still raised about the need for the memorial to be sensitive and to recognise that today's values should not be applied to the past events.

Engagement - internal

Engagement with Water and Waste Services and advice on underground infrastructure at proposed site. Ongoing communication with Urban Design and Parks and Recreation departments on final memorial design and ongoing maintenance costs.

Risks: Legal / Health and Safety etc.

There are no identified risks

Conflict of Interest

There are no conflicts of interest

SUMMARY OF CONSIDERATIONS

<i>Community Boards</i>

No implication to Community Boards



N
Proposed site of Archibald Baxter Memorial

PARKS AND RECREATION ACTIVITY REPORT FOR THE QUARTER ENDED 30 MARCH 2016

Department: Parks and Recreation

EXECUTIVE SUMMARY

- 1 This report updates the Committee on Parks and Recreation operations, maintenance and capital works, including contracted out services.
- 2 Highlights for the quarter include:
 - a) The Botanic Garden retained its status as a 6-star garden, the equivalent of a Garden of International Significance.
 - b) The Swim School at Moana Pool received Quality Swim School Gold registration from Swimming New Zealand, recognising their outstanding overall delivery of swim coaching to the Dunedin community.
 - c) The community pools have now closed for the season. All three pools had good visitor numbers throughout the year. St Clair visitor numbers were significantly higher than forecast.

RECOMMENDATIONS

That the Committee:

- a) **Notes** the Parks & Recreation Activity Report for the Quarter ended 30 March 2016.

BACKGROUND

PARKS AND RECREATION ACTIVITY PROVIDES PUBLIC ACCESS TO POOLS, URBAN GREEN SPACE, SPORTS FIELDS AND FACILITIES, RECREATION AND LEISURE OPPORTUNITIES AND A BOTANIC GARDEN OF INTERNATIONAL SIGNIFICANCE.DISCUSSION

Management of Parks and Recreation services

- 4 Council manages Moana Pool, Mosgiel Community Pool, Port Chalmers Community Pool, and St Clair Hot Saltwater Pool. The pools support casual swimming, professional swimming coaching, and learn-to-swim programmes.
- 5 Moana Pool is open year round, with additional services including: crèche, hydroslides, gym, physiotherapy, massage, and a retail shop. Mosgiel Community Pool is open seven months of the year and both Port Chalmers Community Pool and St Clair Hot Saltwater Pool are open for six months of the year. In addition, the Council provides

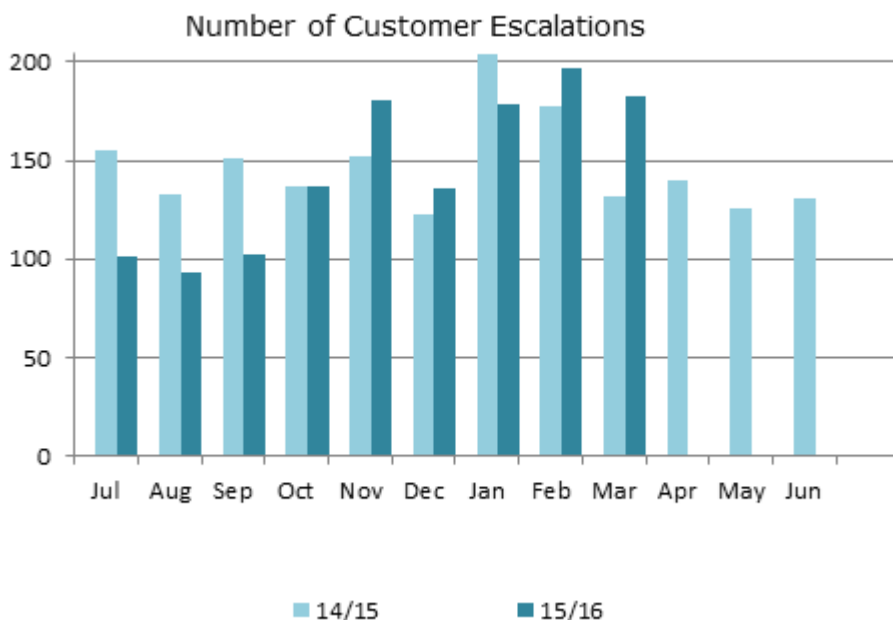
grants for the community pool at Middlemarch, Moana Gow Pool and a number of school pools.

- 6 The Botanic Garden has 19 themed-garden collections and an aviary and is graded as a Garden of International Significance by the NZ Gardens Trust.
- 7 Council manages a wide range of open spaces providing parks and recreation facilities, for both organised and casual use including playgrounds, sports fields, cemeteries, parks and walkways. The maintenance of these spaces is contracted out, with Council staff overseeing operations including formal and informal lease/use arrangements, and the development and implementation of policies and plans relating to parks and recreation.

Non-financial performance

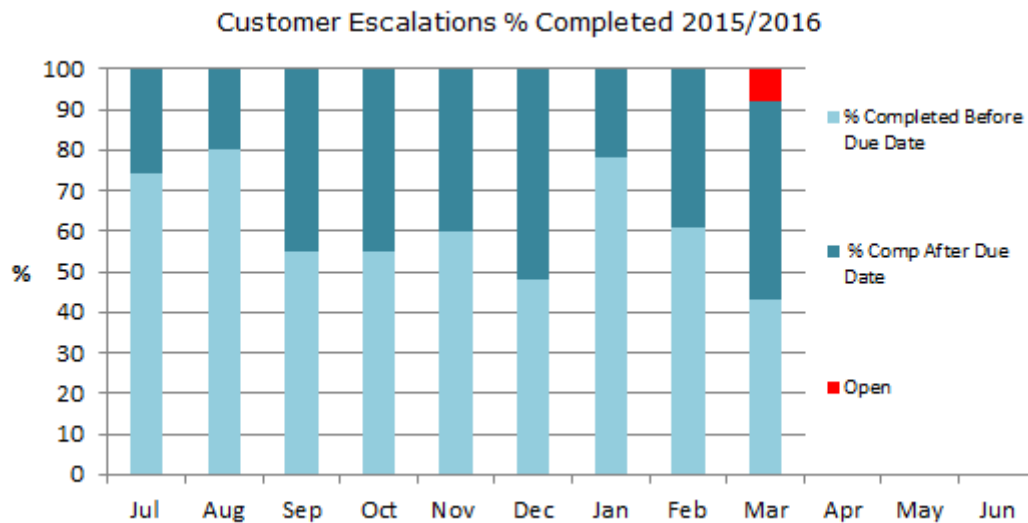
Service

Number of Customer Escalations



- 8 There were a higher number of complaints than the same quarter last year due to more rigorous recording of escalations received. A high number of tree escalations were received in March due to windy conditions. There was also an increased number of camping escalations over the Easter holiday period.

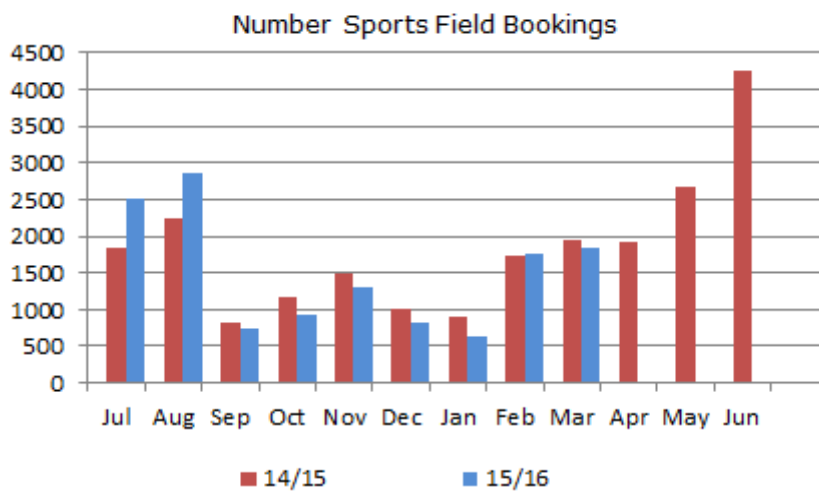
% Customer Escalations Completed



- 9 Completed escalation rate within the due date remains low. A review of Parks specific customer services agency process and flow of escalations to officers and contractors is underway. An improved process is to be implemented by 1 July 2016.

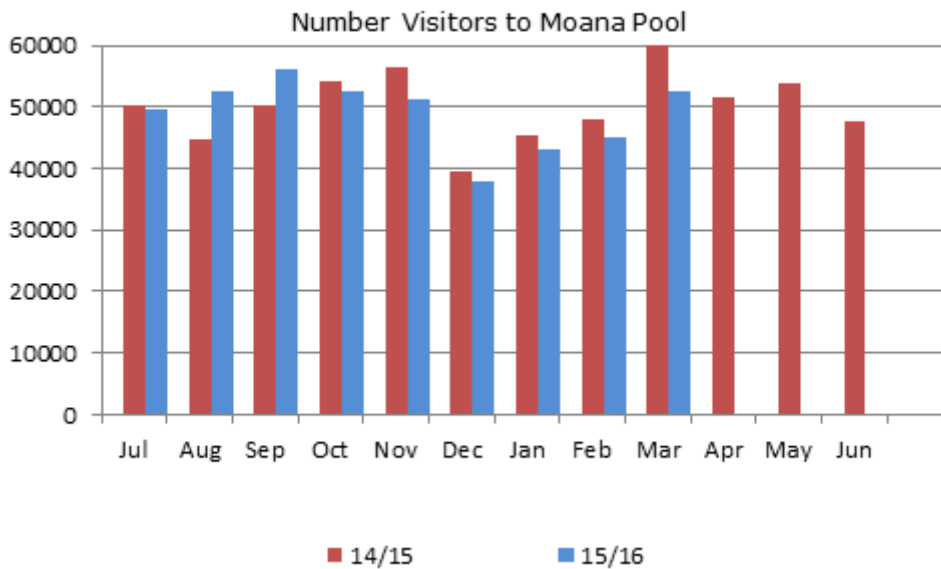
Value and Efficiency

Sports Field Bookings



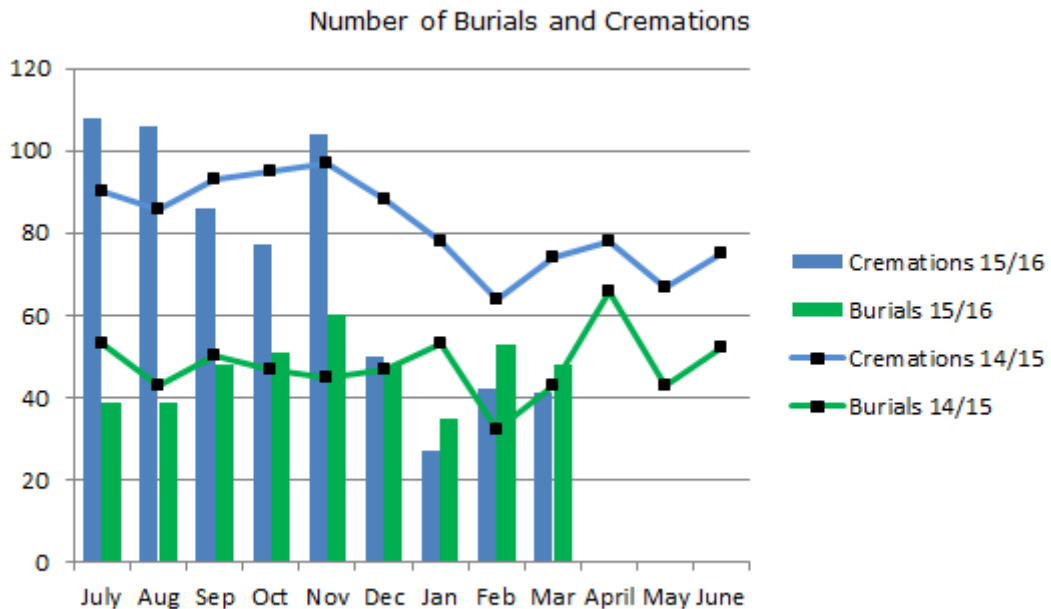
- 10 Sports field bookings are transitioning to winter codes. A review of booking processes and tools to measure usage is planned to better track use of grounds. An increase in demand from sports wanting to use grounds outside of their season is placing pressure on bookings.

Moana Pool Visitor Numbers



11 Visitor numbers to Moana Pool remain steady in March. Moana pool hosted: Balmacewen Intermediate swimming sports, Otago Girls High School swimming sports, Otago Anniversary Swim Meet (2 days) and a Water polo competition (2 days).

Burials and Cremations



12 Cremations have dropped significantly with the opening of the Hope and Sons Ltd facility. A review of the cremation operation will be undertaken in the 2016/17 year to ensure Council's operation remains efficient. Burials remain consistent with historic levels.

Major initiatives

New Contracts

- 13 The two key contracts for delivery of the park maintenance have been awarded to Delta Utility Services Ltd (Northern) and City Care Ltd (Southern).
- 14 Tenders were also awarded for Cemeteries Ground Maintenance to Delta and Tree Maintenance to Asplundh.

Staff changes

- 15 The Parks and Recreation restructure has been confirmed. Three new functional managers have been recruited to new functional areas. The Parks Operations Manager, the Recreation Planning and Facilities Manager and the Asset and Commercial Manager have commenced in the new positions.
- 16 Recruitment to complete the Parks and Recreation restructure is nearly complete, with four more roles to recruit. These include two new positions, a volunteer co-ordinator and a biodiversity officer. It is expected that these roles will be filled by 1 July 2016.

Asbestos

- 17 Asbestos has been identified in four Parks and Recreation buildings built in the era in which this construction material was common. Specialised testing has been undertaken and management plans are being developed.

Moller Park Archway

- 18 The Community and Environment Committee have approved the demolition of the Moller Park Arch. Staff are working with the affected parties, Rotary and members of the Moller family to identify a location potentially near the Harbour Cycleway and an appropriate memorial to Mr Moller.

Tomahawk School Use

- 19 An Expression of Interest (EOI) open to the community will begin on 4 June for six weeks. The EOI will request the following information:
 - How the proposal will affect/enhance the environment.
 - How the proposal is to be funded, if applicable capital funding and/or on-going operational funding.
 - An approximate timeframe for the proposal to be completed.
 - Potential benefits for the community and/or local area.
 - Will the buildings and facilities be retained or demolished.

Parks and Recreation Strategy

20 Following the Committee endorsing in principle the draft Parks and Recreation Strategy, staff have begun the process of developing the Sport and Recreation Action Plan and the Open Spaces Action Plan. External governance groups have been engaged to identify the scope and assist in driving external input into both plans. A number of workshops with sporting organisations, social service organisation and the Youth Board will be facilitated throughout June.

Port Chalmers Bowling Club

21 Following the 2006 review of bowling clubs, Port Chalmers was a facility recommended for investigation for alternate use and report back on options. The lease has recently expired and the club is seeking a lease extension.

22 No alternate uses were identified for the site and staff have consulted with the community board, which is supportive of a new lease. In the absence of an alternate use and with a financially sound club that has the support of the community board, staff intend to grant a new ten year lease.

23 Public notification is not required as the lease is consistent with the management plan.

Capital projects

Name	Budget	Actual
Chisholm Park Irrigation	\$70,000	\$71,500 (Forecast)
Caledonian Throwing Cage	\$46,000	\$75,583 (Final)
Ocean Beach Remedial Works	\$1,000,000	\$800,000 (Forecast)

Ocean Beach

24 During the 2015/16 year staff engaged Tonkin and Taylor Ltd (T&T) to review the holding pattern outlined in the 2007 report. The recommendations were to continue the holding pattern at Ocean Beach while incorporating product developments and refining the design. Beca Ltd was engaged to peer review T&T's report and supported the recommendation.

25 T&T were commissioned to design a replacement sand sausage structure and an extension to cover a total length of 200m.

26 Approximately 6,000 cubic metres of sand has been procured from Port Otago through the Otago Harbour channel dredge programme. A contract to deliver the sand to a stockpile area at Kettle Park was tendered and awarded to Fulton Hogan Ltd with a value of \$30,000.

27 In accordance with the design, the geotextile products (geobags) were purchased from Geofabrics Ltd at a value of \$140,000. The material is more robust than the bags being replaced.

28 The tender to place sand sausages and a substantial volume of imported sand was let to Downer NZ Ltd for sum of \$423,000. The physical works started at the end of May with beach access established and will continue for a period of six to eight weeks, weather dependant.

Throwing Cage at Caledonian Ground

29 The relocation of the old throwing cage and deliver of a new cage at the Caledonian Ground was delivered in time for the Track and Field Nationals in March.

Chisholm Park Golf Course Irrigation

30 The final stage of the Chisholm Park Golf Club irrigation system replacement was completed in April, with maintenance of this system being the club's responsibility.

OPTIONS

31 As an update report there are no options.

NEXT STEPS

32 Areas of focus for the next quarter will be:

- a) Setting up and integrating the management system for the Southern Parks Maintenance Contract and Northern Parks Maintenance Contract.
- b) Negotiating and setting up for the Trees Maintenance Contract and Cemeteries Ground Maintenance Contract.
- c) The Pest Control and Ecological Maintenance Contract will be finalised and is planned to go to market in the first quarter of 2016/17.
- d) Completion of the sand sausages at Ocean Beach.
- e) Remediation of the asbestos in the first of the buildings identified
- f) Completing the Aquatics restructure to clarify service levels and key functions. The changes will provide more support for senior staff and deliver a greater understanding of both the assets managed and the opportunities available to service our community.
- g) Review of Parks and Recreation fees and charges.

Signatories

Author:	Felicity Sime - Business Performance Co-ordinator
Authoriser:	Ruth Stokes - General Manager Infrastructure and Networks

Attachments

There are no attachments for this report.

SUMMARY OF CONSIDERATIONS

Fit with purpose of Local Government

This decision relates to providing local services and infrastructure that is considered good-quality and cost-effective.

Fit with strategic framework

	Contributes	Detracts	Not applicable
Social Wellbeing Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Economic Development Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Environment Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arts and Culture Strategy	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3 Waters Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Spatial Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated Transport Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks and Recreation Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other strategic projects/policies/plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The parks and recreation activity supports the outcomes of a number of strategies.

Māori Impact Statement

There are no known impacts for tangata whenua.

Sustainability

The parks and recreation activity promotes the social and environmental interest of the community by providing venues and support for sporting and leisure activity and provides garden and open green space that promotes the environmental and social interests of the community.

LTP/Annual Plan / Financial Strategy /Infrastructure Strategy

The parks and recreation activity is included in the Long Term Plan.

Financial considerations

The updates reported are within existing operating and capital budgets.

Significance

This decision is considered of low significance under the Significance and Engagement Policy.

Engagement – external

As an update report no external engagement has been undertaken.

Engagement - internal

As an update report no internal engagement has been undertaken.

Risks: Legal / Health and Safety etc.

There are no identified risks.

Conflict of Interest

Not applicable

Community Boards

Not applicable.

COMMUNITY, ARTS AND CULTURE NON-FINANCIAL ACTIVITY REPORT FOR THE QUARTER ENDED 30 MARCH 2016

Department: Community and Planning and Services and Development

EXECUTIVE SUMMARY

- 1 This report updates the committee on key city, community, arts and cultural outcomes for the quarter ended 30 March 2016.

RECOMMENDATIONS

That the Committee:

- a) **Notes** the non-financial community and cultural activity report for the quarter ended 30 March 2016.

BACKGROUND

- 2 The Community and Planning group of activities works with other agencies to set the direction for managing Dunedin's built and natural environment, and enables a strong sense of community and social inclusion through the provision of advice and support to community groups and social agencies and to provide events for the enjoyment of residents and visitors alike.
- 3 The Arts and Culture group of activities operate Dunedin Public Libraries, the Dunedin Public Art Gallery, the Toitū Otago Settlers Museum, the Dunedin Chinese Garden and the Olveston Historic Home.

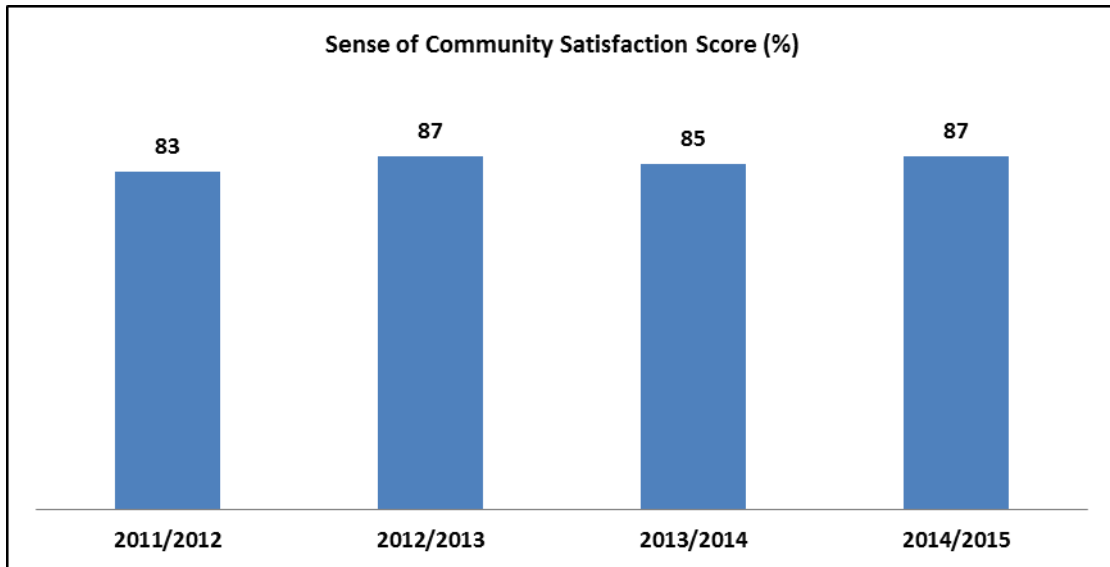
DISCUSSION

Service and Satisfaction

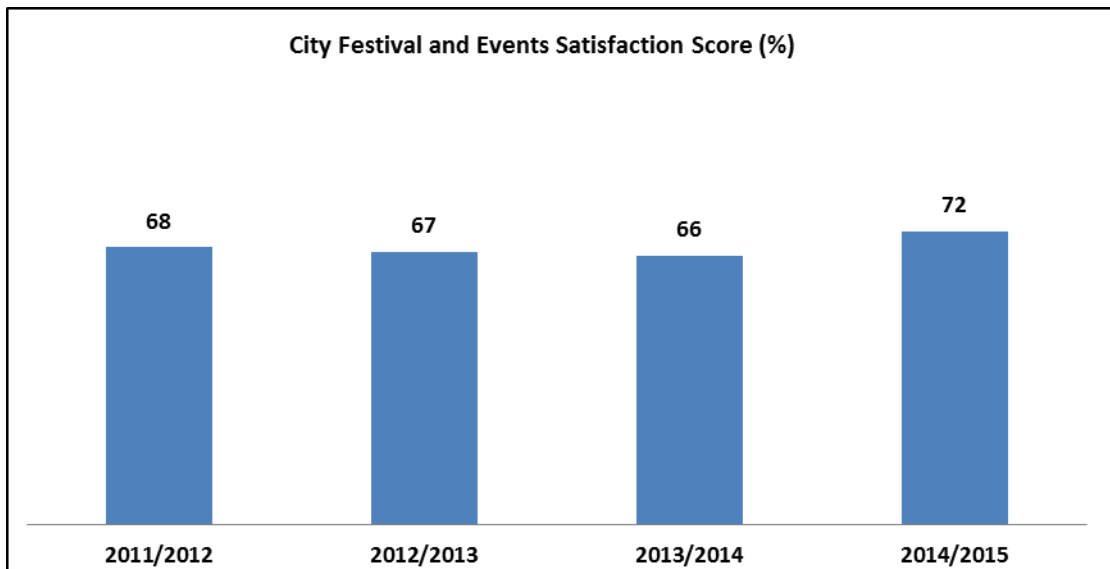
- 4 The Residents' Opinion Survey is the principal mechanism by which the Council measures resident satisfaction with a wide range of its activities.
- 5 The following graphs show key results from the past four annual Resident Opinion Surveys (2011/12, 2012/13, 2013/14 and 2014/15) relevant to the Community and Planning, and Arts and Culture groups of activities.
- 6 From May 2016 the Residents' Opinion Survey will be conducted on a continuous basis throughout the year and results will be reported to the Committee on a quarterly basis.

Community and Planning

- 7 A 2% increase in satisfaction with 'sense of community' was reported in 2014/15 compared to 2013/14 (this may not be significant given the survey margin of error of +/- 2.9%):



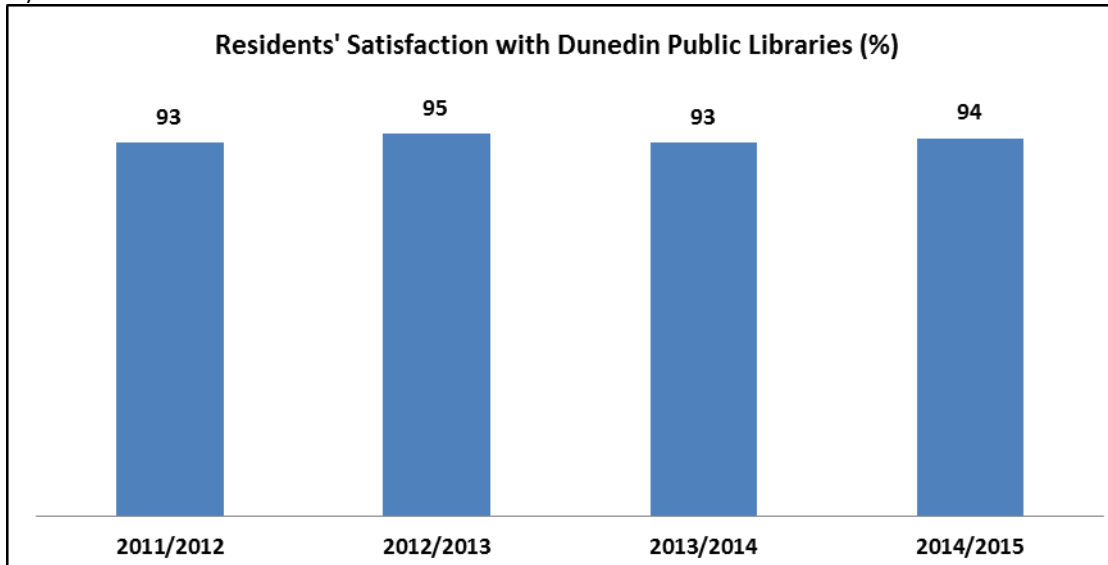
- 8 A 6% increase in satisfaction with 'city festival and events' was reported in 2014/15 compared to 2013/14:



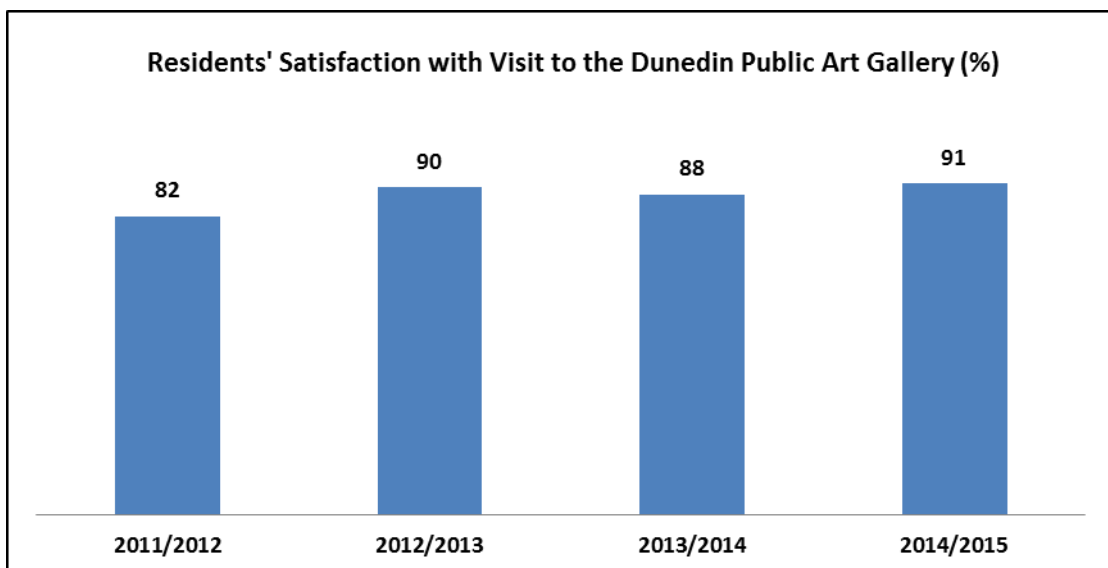
- 9 This significant increase is likely to reflect the attraction of: high profile entertainment events to Dunedin (including international musical acts hosted at Forsyth Barr Stadium); and the joint hosting of major international sporting events (Cricket World Cup and FIFA Under-21 World Cup).

Arts and Culture

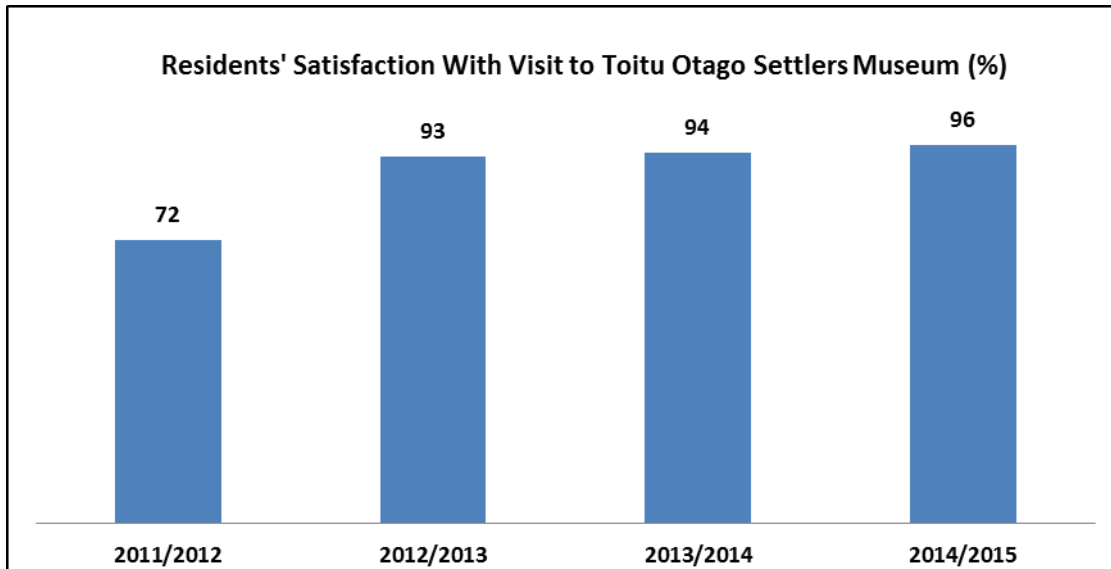
- 10 A 1% increase in satisfaction with Dunedin Public Libraries was reported in 2014/15 compared to 2013/14 (this may not be significant given the survey margin of error of +/- 2.9%):



- 11 A 3% increase in satisfaction with the Dunedin Public Art Gallery was reported in 2014/15 compared to 2013/14 (this may not be significant given the survey margin of error of +/- 2.9%):



- 12 A 2% increase in satisfaction with the Toitū Otago Settlers Museum was reported in 2014/15 compared to 2013/14 (this may not be significant given the survey margin of error of +/- 2.9%):



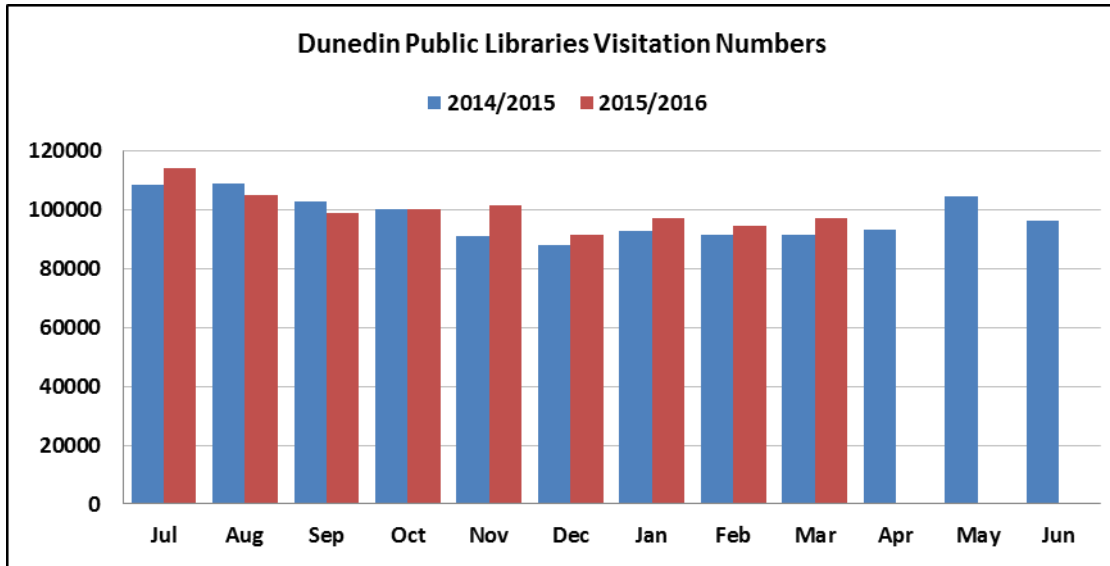
- 13 A 4% increase in satisfaction with the Dunedin Chinese Garden was reported in 2014/15 compared to 2013/14 (this may not be significant given the survey margin of error of +/- 2.9%):



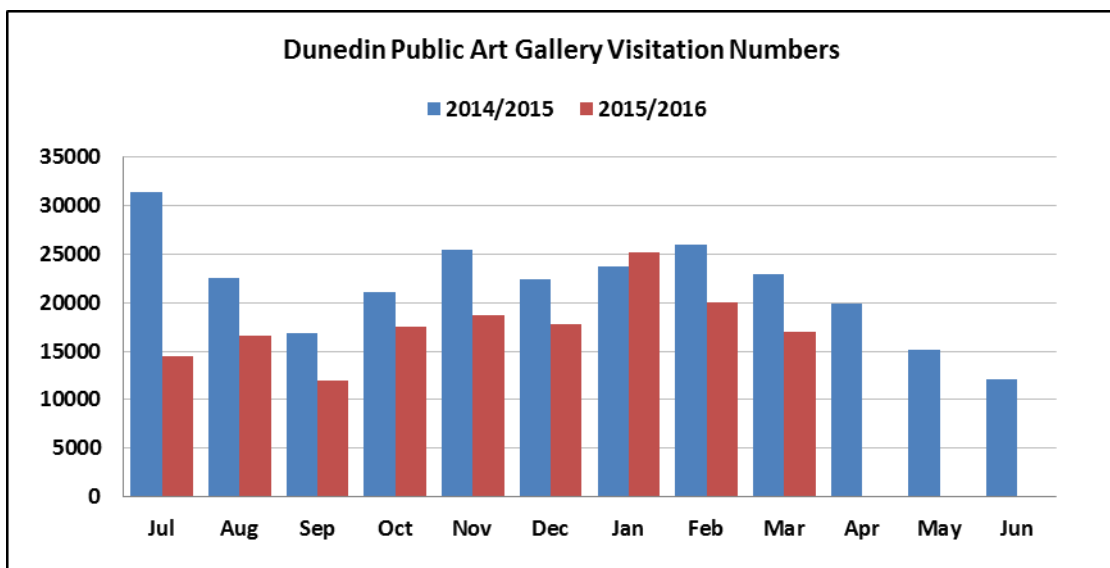
Value and Efficiency

Arts and Culture

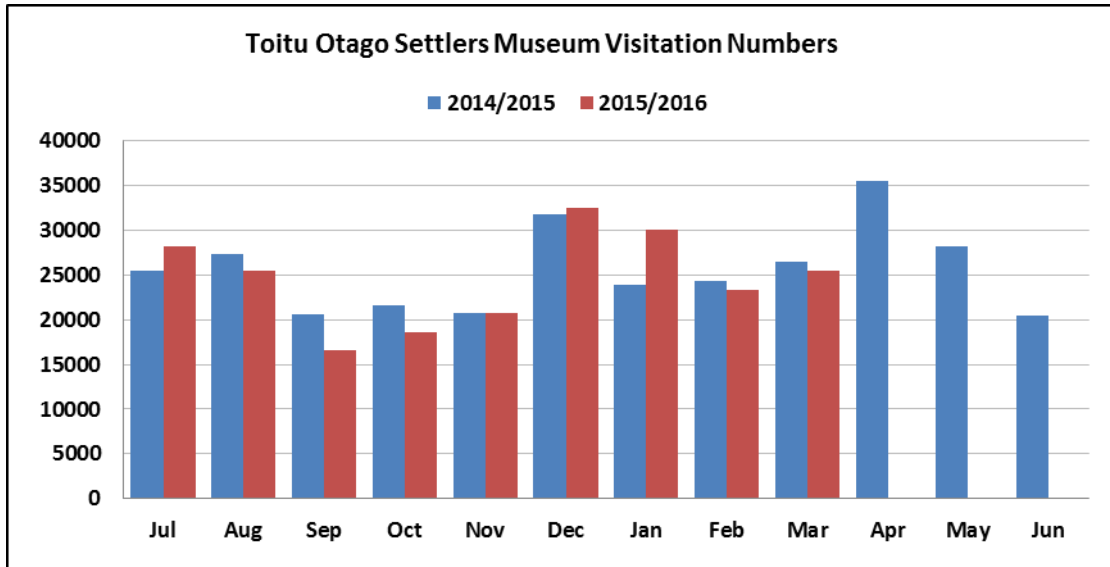
- 14 Total recorded visitation to Dunedin Public Libraries in the quarter to March 2016 was 288,951, which is 13,056 or 4.7% higher than the corresponding quarter in the previous year.



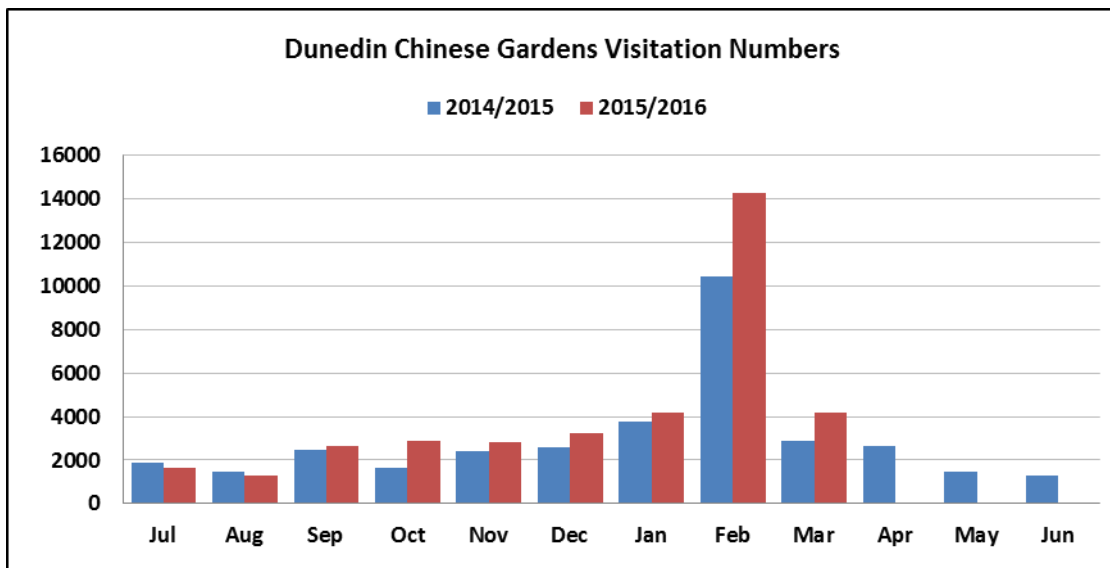
- 15 Total recorded visitation to Dunedin Public Art Gallery in the quarter to March 2016 was 62162, which is 10357 or 14.3% lower than the corresponding quarter in the previous year. Visitation patterns are influenced by the Gallery’s dynamic exhibition and visitor programmes which make meaningful comparisons with previous periods difficult. Total visitation is expected to be comparable to or exceed 2014/15 by year end.



- 16 Significant events for Toitu Otago Settlers Museum for the period to March 2016 included: the closing of *Life on the Edge: Otago Harbour Communities* exhibition which attracted 86,628 visitors; the opening *The Slice of Life* exhibition based on the University of Otago longitudinal study (the Dunedin Study); and the installation of the *Poetick* poetry printing machine.



- 17 Total recorded visitation to Dunedin Chinese Gardens in the quarter to March 2016 was 22670, which is 5585 or 32.7% higher than the corresponding quarter in the previous year.



- 18 Chinese New Year was celebrated on 9 February with attendance exceeding 8,000. The lift in attendance was partly attributable by a visiting performance troupe from Yunnan province in China with financial assistance from the Chinese Consulate in Christchurch.
- 19 Data for Olveston Historic Home will be included in future reports.

Major Initiatives

- 20 **Annual Plan 2015/16** – January meetings and the development of consultation materials supported the successful development of the latest Annual Plan.
- 21 **Long Term Plan (LTP) 2018/19-2027/28** – Work on the next LTP commenced in the quarter including work to develop new growth projections reflecting the latest Census.
- 22 **Quality of Life 2016** – Conduct of the latest biennial survey commenced in the quarter.
- 23 **Residents’ Opinion Survey (ROS)** – Review of the effectiveness of the ROS was undertaken in conjunction with the firm selected to conduct the survey, Key Research.
- 24 **Section 17A Reviews** – Work to review Council activities in accordance with s17A of the Local Government Act commenced, in conjunction with all councils in the Otago region.
- 25 **Dunedin Youth Council** – The DYC participated in a forum in Christchurch attended by youth councils from across the South Island.
- 26 **Ara Toi Otepoti, Dunedin’s Arts and Culture Strategy** – The Creative Dunedin Partnership was established as the governance body for Ara Toi. A draft Public Art Framework is nearing release for public consultation. A Dunedin franchise of the Urban Dream Brokerage to utilise vacant commercial space to promote arts and culture
- 27 **ANZAC: Photographs by Laurence Aberhart** – This Dunedin Public Art Gallery touring exhibition was shown at major venues in Auckland and Wellington.
- 28 **Learning Experiences Outside the Classroom (LEOTC)** – The Ministry of Education reinstated funding for the Dunedin Public Art Gallery schools education programme, reversing a decision to discontinue funding in late 2015.
- 29 **Blind Foundation agreement** – Dunedin Public Libraries has commenced implementation of a twelve month pilot project to trial the use of a mobile device app for vision impaired people to download spoken word content from Blind Foundation digital resources.
- 30 **City of Literature** – Nicky Page was selected as inaugural Director in the quarter.
- 31 **27th New Zealand Masters Games** – Some 4,500 attendees competed in over 60 sports, attracting strong local and national media coverage, with participants rating their satisfaction above 90%.
- 32 **Local events** - New Year’s Eve event attendees exceeded the predicted 20,000 with significant national television coverage. Over 250 stallholders reported good trading at the Thieves’ Alley Market Day. Good weather boosted attendance at Sunday Sounds in the Botanic Garden.
- 33 **Task Force Green and Community Volunteer Scheme** – An average of 32 volunteers over the quarter supported: West Harbour Recreation Trail beautification; graffiti removal; and predator trapping at Okia Reserve for penguin protection.

Capital Projects

- 34 No major capital projects are being undertaken across the Community and Planning or Arts and Culture groups.

OPTIONS

- 35 As this is an update report, there are no options.

NEXT STEPS

- 36 Toitu Otago Settlers Museum is currently applying for the next round of Learning Experiences Outside the Classroom (LEOTC) funding for the Ministry of Education, with the outcome expected to be known in June/July 2016. Staff are also developing a documentary film to be called *Journey to Lan Yuan*, similar to the award winning *Journey of the Otagos*, with over \$40,000 in external funding.
- 37 The Dunedin Public Libraries is currently implementing a project to offer Council Service Centre functions at the Blueskin Bay and Waikouaiti Libraries as well as a small increase to opening hours at both locations. The target completion date for the project and availability of the services is 4 July 2016.
- 38 Implementation of a central city Gig Hub in the City Library is in progress including Gig wifi and a highly visible Gig Hub on the ground floor targeted for completion by 31 July 2016.
- 39 The consultation phase of the review of the Festival and Events Strategy will commence next quarter.
- 40 Recruitment of the place-based Community Navigator occur commence next quarter.

Signatories

Author:	Jessie Wu - Policy Support Assistant Bill Frewen - Senior Policy Analyst Nicola Pinfold - Group Manager Community and Planning Bernie Hawke - Group Manager Arts and Culture
Authoriser:	Simon Pickford - General Manager Services and Development

Attachments

There are no attachments for this report.

SUMMARY OF CONSIDERATIONS

Fit with purpose of Local Government

This report relates to providing a public service and it is considered good-quality and cost-effective.

Fit with strategic framework

	Contributes	Detracts	Not applicable
Social Wellbeing Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Economic Development Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environment Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Arts and Culture Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Waters Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Spatial Plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated Transport Strategy	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks and Recreation Strategy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other strategic projects/policies/plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The Community and Environment portfolio of activities support the outcomes of a number of strategies.

Māori Impact Statement

There are no known impacts for tangata whenua.

Sustainability

As an update report, there are no specific implications for sustainability.

LTP/Annual Plan / Financial Strategy /Infrastructure Strategy

As an update report there are no implications for the LTP, although some measures are level of service performance measures annually reported as part of the LTP.

Financial considerations

The updates reported are within existing operating and capital budgets.

Significance

This decision is considered of low significance under the Significance and Engagement Policy.

Engagement – external

As an update report no external engagement has been undertaken.

Engagement - internal

As an update report no internal engagement has been undertaken.

Risks: Legal / Health and Safety etc.

There are no identified risks.

Conflict of Interest

There is no conflict of interest.

Community Boards

Not applicable.