



TEKAPO COMMUNITY BOARD

Membership:

Murray Cox (Chairman)
Alan Hayman
Peter Munro
Peter Maxwell
Ian Radford

Notice is given of the meeting of the Tekapo Community Board to be held at the Godley Resort Hotel, Lake Tekapo, on Monday 22 April 2013 at 7.30 pm

Business: *As per Agenda attached*

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER

17 April 2013



TEKAPO COMMUNITY BOARD AGENDA
Monday 22 April 2013

I APOLOGIES:

II DECLARATIONS OF INTEREST

III MINUTES:

Confirm and adopt as the correct record the Minutes of the meeting held on Monday 11 March 2013.

MATTERS UNDER ACTION

IV REPORTS:

1. Lake Tekapo Plantation Harvesting
2. Tekapo Canal Remediation Project Update
3. Community Hall Fees
4. Lighting Ordinances
5. Ward Member's Report
6. Reports from Members who Represent the Board on Other Committees

V PUBLIC EXCLUDED

That the public be excluded from the following part of the proceedings of this meeting namely:

1. Previous Minutes Tekapo Community Board Meeting 11 March 2013

Reason for passing General subject of each matter to be considered	Ground(s) under this resolution in relation to each matter	Section 48(1) for the passing of this resolution
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Previous Minutes Tekapo Community
Board Meeting 11 March 2013

Commercial Sensitivity

48(1)(a)(i)

This resolution is made in reliance on Section 48(1)(a)(i) of the Local Government Official Information and Meetings Act 1987 and the particular interest or interests protected by Section 6 or Section 7 of that Act, which would be prejudiced by the holding of the whole or the relevant part of the proceedings of the meeting in public are as follows: *Previous Minutes Tekapo Community Board Meeting 11 March 2013* section 7(1)(g)

MACKENZIE DISTRICT COUNCIL

MINUTES OF A MEETING OF THE TEKAPO COMMUNITY BOARD HELD AT THE GODLEY RESORT HOTEL, LAKE TEKAPO, ON MONDAY 11 MARCH 2013 AT 7.30 PM

PRESENT:

Murray Cox (Chairman)
Peter Munro
Peter Maxwell
Alan Hayman

IN ATTENDANCE:

Paul Morris (Manager – Finance and Administration)
Garth Nixon (Community Facilities Manager)
Suzy Ratahi (Roothing Manager)
Keri-Ann Little (Committee Clerk)

I APOLOGIES:

Resolved: that apologies be received from Community Board Member Ian Radford, Manager Planning and Regulations, Chief Executive Officer and the Asset Manager.

Peter Munro/Alan Hayman

II DECLARATIONS OF INTEREST:

There were no Declarations of Interest.

III MINUTES:

Resolved that the minutes of the meeting of the Tekapo Community Board held on 28 January 2013 be confirmed and adopted as the correct record of the meeting.

Alan Hayman/Peter Maxwell

MATTERS UNDER ACTION:

1. Civil Defence

The Chairman reported that the Civil Defence Officer had organised two coordinators and an Area Coordinator and that he was seeking someone to lead the welfare team. He said approval had been gained for the radio to be located in the Fire Station.

2. Pete Speedy Improvements to Reserve Area on Lakeside Drive:

The Chairman advised that he had met with Mr Speedy regarding the work which was being undertaken in the area. Further soil and sowing of grass was being planned for the autumn. The Chairman and Community Facilities Manager were to meet again with Mr Speedy.

3. Review of Freedom Camping Bylaw and its Alignment with the Freedom Camping Act:

The Chairman raised on-going problem of the Car Park situated on the corner of Pioneer Drive and State Highway 8 which doubles as a look out. Campers seem to be camping there and using the neighbouring properties for toileting. The Chairman raised the question as to whether the Carpark is necessary.

4. Community Centre

The Community Facilities Manager updated the Board on progress with the rebuilding project. He said progress is slow of late with the delay centred on the installation of the large windows and kitchen detail; decisions required at present are regarding the dish washers and the layout of the kitchen. Variations to the plans have been approved with additional storage added and also the inclusion of the footpath. The completion date as per Contract is May 2013.

5. Campervan Dump Station and Car Park.

Copies of the site plan for the Lakeside Drive Carpark and Effluent Dump Station were circulated for approval.

It was agreed that the plan be amended to include a gravel footpath extending from a 'Y' junction towards the supermarket and village centre area.

The Asset Manager said it was intended to provide the contractors with two options for pricing the project, viz for completion by the end of April 2013 or by November 2013. This was in response to recent high quotes received for some work because of contractors' commitments in Christchurch and to the Genesis canal repair project.

Resolved that quotations be obtained for the Lakeside Drive Carpark and Effluent Dump Station project based on the amended plan.

Peter Munro/Alan Hayman

6. Car parking for Lake Tekapo Community Hall:

It was noted that this issue was on-going.

7. Landscaping and Walkway – Church of the Good Shepherd:

The Asset Manager advised that the Manager –Roading had received a price of \$8,000 for the sealing of footpaths, and further prices were expected from Fulton Hogan. The Community Facilities Manager informed the Board at this stage other pricings had not been provided yet; therefore this was on-going.

8. The Mound by the Tennis Courts – to be grassed:

The Community Facilities Manager advised that the spraying and sowing of grass seed on the mound was included on the list of projects to be completed before the winter.

9. Lighting Ordinances:

Mr Munro Community Board Member updated the Board on the progress of the development of a brochure about the protection of the night sky environment in Lake Tekapo. Mr Munro tabled a letter received from Professor John Henshaw, Professor of Astronomy at The University of Canterbury and the Chair, of The Aoraki Mackenzie International Dark Sky Reserve Board. This letter was

addressed to Mr Bernie Haar, Asset Manager, and provided the Council with some background information on Lake Tekapo Lighting and Aoraki Mackenzie International Dark Sky Reserve. Mr Munro also spoke of the December 2012 RASNZ DarkSkies Group of the Royal Astronomical Society of New Zealand and finally an information brochure also distributed by RASNZ. Mr Munro is awaiting feedback from Mayor Barlow on her thoughts and asked if this matters under action item be tabled as an agenda item at the next Tekapo Community Board Meeting on the 22nd of April 2013.

IV REPORTS:

1. FINANCIAL REPORT – JANUARY 2013:

This report from the Manager Finance and Administration for the Board for the period of January 2013, the purpose of which is to update Board members on the financial performance of the Tekapo Community Board as a whole period.

Resolved that the report be received.

Murray Cox/Peter Maxwell

Mr Morris, Manager Finance and Administration spoke to his report supplying commentary to any significant variances and informing the Community Board that the Community Board's budget meeting would be held as a separate meeting in April.

2. LAKE TEKAPO PLANTATION LOGGING

Mr Chairman asked for the position of the Community Board Members in relation to the Lake Tekapo Plantation Logging before the Public Meeting to be held on Thursday 14 March 2013. Mr Chairman also tabled two letters and one email he has received.

1. John and Barbara Bisphan, 3 Burnett Place, Lake Tekapo – Against
2. Bevan Cunningham, Burnett Place, Lake Tekapo – Against
3. Sid McAuley, 8,9,10 Burnett Place, Lake Tekapo – For

A copy of all three of these documents are Appendix A of this record.

Mr Chairman voiced the importance of the Board Members being resolute at the scheduled public meeting to be held on the 14th of March concerning the public's concerns for the tree felling of some of the pines in the Lake Tekapo Plantation. Mr Chairman informed the Board Members that Anne Braun-Elwert would be invited to speak at the Meeting. He reassured Board Members that members of the Mackenzie Forestry Board will be present at the meeting and will assist the Board with any questions from the Public regarding the Plantation.

The Tekapo Community Board through The Chairman Mr Cox is happy with the decision to cut down two areas of pine trees in the Lake Tekapo Plantation.

3. PHOTOGRAPHIC CONVENTION REQUEST FOR GRANT

For the Tekapo Community Board to consider a request from the Photographic Convention, specifically for the use of the Lake Tekapo Community Hall facility free of charge for the proposed Photographic Convention to be held from the 3rd to 5th of October 2013 in Lake Tekapo.

This request of a grant has already been through the Finance Committee who have recommended that the Community Board make provision for a grant for this event.

Resolved that the report be received:

Alan Hayman/Peter Munro

Cr Maxwell spoke to the Community Board stating that the initial request was for the use of the Community Centre free of charge. Council Policy is not to hire Council or Community Facilities free of charge, but at times the charge can be offset by a grant or donation of some description.

Resolved: Sponsorship grant of \$500 to help offset costs of the Community Centre be donated to the Photographic Convention.

4. TEKAPO COMMUNITY BOARD MEETING DATE RE-SCHEDULING

Tekapo Community Board Meetings need to be rescheduled as the dates clash with Fire Brigade Meetings.

Resolved: that the report be received.

Murray Cox/Peter Munro

Resolved: that the dates below are confirmed as the new Tekapo Community Board Meeting dates:

- Monday 22nd of April
- Monday 22nd of July
- Tuesday 24th of September (23rd is South Canterbury Anniversary Day)

5. REPORTS FROM MEMBERS WHO REPRESENT THE BOARD ON OTHER COMMITTEES:

Cr Peter Maxwell report to the Board that on the 21st of March there is a Workshop to held at the Council Chambers in Fairlie to discuss “Future of Tourism and Marketing”, Alps 2 Ocean and Local Government Act Legislation.

The Chairman reported that recent work in the **Regional Park** had been concentrated on track development and rabbit control. More track work was in the pipeline they were just awaiting more dates from ECAN for assistance. In the autumn there will be more plantings. Mr Chairman continued to report he was receiving good feedback from track user and that there was a greater use of the track overall. Mr Chairman reported that the Park was awaiting the erection of another 5 wooden seats.

Community Board Member Mr Peter Munro reported on the **Mackenzie Alpine Trust** reporting The South Opuha Hut was officially not opened yet awaiting final sign off.

Community Board Member Mr Peter Munro reported to Board Members that the **White Water Course** was currently in limbo awaiting the completion of the canal works; Mr Munro did report that the track improvements were great.

Mr Munro also reported on the progress of **The Footbridge** reporting that the cost was higher than a year ago and an extra 200,000 would now be required. The Lake Tekapo Footbridge Society Inc. is hoping to approach Aorangi Foundation and felt positive they would receive significant support. The Society will also apply for a grant from The Charitable Trust and along with local fundraising the target should be met.

V. PUBLIC EXCLUDED:

Resolved that the public be excluded from the following part of the proceedings of this meeting namely:

1. Progress on Sale Lake Tekapo Lake Front

<u>General subject of each matter to be considered</u>	<u>Reason for passing this resolution in relation to each matter</u>	<u>Ground(s) under Section 48(1) for the passing of this resolution</u>
Progress on Sale Lake Tekapo Lake Front	Commercial Sensitivity	48(1)(a)(i)

This resolution is made in reliance on Section 48(1)(a)(i) of the Local Government Official Information and Meetings Act 1987 and the particular interest or interests protected by Section 6 or Section 7 of that Act, which would be prejudiced by the holding of the whole or the relevant part of the proceedings of the meeting in public are as follows: *Progress on Sale Lake Tekapo Lake Front* 7(2)(b)(ii)

Peter Maxwell/ Peter Munro

THE CHAIRMAN DECLARED THE MEETING CLOSED AT 8:48 PM

CHAIRMAN: _____

DATE: _____

299 Cashmere Rd
Westmorland
Christchurch
5/3/13

Dear Sir,

re Lake Tekapo Forest Plantation

We are the owners of 3 Burnett Place Lake Tekapo. Thank you for your letter 3/3/13 re above. It is disappointing to learn that the Forestry Board and the Community Board have decided to remove the trees in Section A. Their removal will result in less protection from the southerly winds but more importantly will irrevocably impair the visual aspect. Replanting as suggested, will take years to establish and will not provide the solid appearance of the block of pines.

The excuse of "public safety" is often used to justify removal of trees. Could you please give us the particulars of what the public requires protection from. Also could you let us know the number of accidents or deaths which the trees in Section A have been responsible for over, say, the last 25 years. Yours faithfully
John & Barbara Bisphen

MORRIS WADDELL (1973) LTD.

ELECTRICAL CONTRACTORS • Domestic • Commercial • Industrial

Proprietor:

Bevan Cunningham
60 Gleniti Road, PO Box 201
Timaru, New Zealand
Telephone (03) 686-2422
Facsimile (03) 686-2423
Email: mwaddell@xtra.co.nz



MASTERelectrician

27th February 2013

The Chairman
Forestry Board
MacKenzie District Council
P O Box 52
FAIRLIE

Hello,

As a concerned resident of Tekapo, I find that the decisions made regards our Forestry and associated areas are done pretty much at Council level and not advertised for public and residential comments. My family and mostly all the residents of Burnett Place and Murray Place are a bit taken back by the dictatorial attitude of the Council or Community Board – what is a Community without unity? Personally, I think the Revenue gained by this type of action will seriously impact on the looks of the area – look at the mess down the road to the Power Station.

I do agree that selective logging along Murray Place and even Burnett Place may need to happen, but to rape and pillage this area is rubbish. Remember short term gain will create long term pain, ie the area from Mt John and from tourist flights will look awful. Although selective logging in the area marked will not return as much money the overall look will remain and I presume new plantings will take place.

This is a very popular track and area for walking, mountain biking and tourists and visitors to get an amazing look over our beautiful little town. You guys forget the appeal of Tekapo is that it is still pretty much surrounded by nature and all we ask is an opportunity to see or speak to the people involved to get a satisfactory conclusion to this. Considerable work is going into the area's to maintain all the tracks etc and trees for us and our children and their children and you guys are just interested in a revenue stream.

Please do not hesitate to contact me as I can have a group of people that would like to meet with Council and the MacKenzie Forestry Board – let's do this and clear up any misunderstandings because you guys have got this wrong so far.

I remain,

Yours Sincerely

BEVAN CUNNINGHAM
C/PHONE 0274 334 733

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ELECTRICAL CONTRACTORS ASSOCIATION OF NEW ZEALAND

YOUR QUALITY GUARANTEE

Murray Cox

From: Sid McAuley [Sid@coolpak.co.nz]
Sent: Thursday, 7 March 2013 10:05 a.m.
To: 'm.cox@xtra.co.nz'
Subject: Re: Plantations.

Greetings Murray,
I own No. 8,9,10 Burnett place.
I support your proposal dated 4 March 2013.

I would like the council to look at removing the gum and pine trees from the area east of section A which is across the track from our house.

This area has amenity trees planted which are now being restricted by the gums and pines.

I will be at the house 14/15 March so would be keen to catch up with you and inspect the area.

Kind Regards
Sid McAuley
021 505 131
www.coolpak.co.nz

TEKAPO COMMUNITY BOARD MATTERS UNDER ACTION

CHAIRMAN

Civil Defence

The Chairman reported that the Civil Defence Officer had organised two coordinators and an Area Coordinator and that he was seeking someone to lead the welfare team. He said approval had been gained for the radio to be located in The Fire Station.

Pete Speedy Improvements to Reserve Area on Lakeside Drive:

The Chairman advised that he had met with Mr Speed regarding the work which was being undertaken in the area. Further soil and sowing of grass was being planned for the autumn. The Chairman and Community Facilities Manager were to meet again with Mr Speedy.

Freedom Camping

The Chairman raised on-going problem of the Car Park situated on the corner of Pioneer Drive and State Highway 8 which doubles as a look out. Campers seem to be camping there and using the neighbouring properties for toileting. The Chairman raised the question as to whether the Carpark is necessary.

COMMUNITY FACILITIES MANAGER

Community Centre:

The Community Facilities Manager updated the Board on progress with the rebuilding project. He said progress is slow of late with the delay centred on the installation of the large windows and kitchen detail; decisions required at present are regarding the dish washers and the layout of the kitchen. Variations to the plans have been approved with additional storage added and also the inclusion of the footpath. The completion date as per Contract is May 2013.

Campervan Dump Station and Car Park

That quotations be obtained for the Lakeside Drive Carpark and Effluent Dump Station project based on the amended plan.

ASSET MANAGER

Car Parking for Community Hall

It was noted that this issue was on-going.

Landscape and Walkway – Church of the Good Shepherd

The Asset Manager advised that the Manager –Roading had received a price of \$8,000 for the sealing of footpaths, and further prices were expected from Fulton Hogan. The Community Facilities Manager informed the Board at this stage other pricings had not been provided yet; therefore this was on-going.

The Mound by the Tennis Courts – to be grassed

The Community Facilities Manager advised that the spraying and sowing of grass seed on the mound was included on the list of projects to be completed before the winter.

Lighting Ordinances

Mr Munro Community Board Member updated the Board on the progress of the development of a brochure about the protection of the night sky environment in Lake Tekapo. Mr Munro tabled a letter

received from Professor John Henshaw, Professor of Astronomy at The University of Canterbury and the Chair, of The Aoraki Mackenzie International Dark Sky Reserve Board. This letter was addressed to Mr Bernie Haar, Asset Manager, and provided the Council with some background information on Lake Tekapo Lighting and Aoraki Mackenzie International Dark Sky Reserve. Mr Munro also spoke of the December 2012 RASNZ DarkSkies Group of the Royal Astronomical Society of New Zealand and finally an information brochure also distributed by RASNZ. Mr Munro is awaiting feedback from Mayor Barlow on her thoughts and asked if this matters under action item be tabled as an agenda item at the next Tekapo Community Board Meeting on the 22nd of April 2013.

MACKENZIE DISTRICT COUNCIL

REPORT TO: TEKAPO COMMUNITY BOARD
SUBJECT: LAKE TEKAPO PLANTATION HARVESTING UPDATE
MEETING DATE: 22 APRIL 2013
REF: LAN 10/21
FROM: CHAIRMAN
ENDORSED BY: CHIEF EXECUTIVE OFFICER

PURPOSE OF REPORT:

To update the Tekapo Community Board on the Lake Tekapo Plantation Harvesting.

RECOMMENDATIONS:

1. Report be received

MURRAY COX
CHAIRMAN

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER

MACKENZIE DISTRICT COUNCIL

REPORT TO: TEKAPO COMMUNITY BOARD
SUBJECT: TEKAPO CANAL REMEDIATION PROJECT UPDATE
MEETING DATE: 22 APRIL 2013
REF: LAN 10/7/12
FROM: CHAIRMAN
ENDORSED BY: CHIEF EXECUTIVE OFFICER

PURPOSE OF REPORT:

To update the Tekapo Community Board on the Lake Tekapo Canal Remediation Project.

RECOMMENDATIONS:

1. Report be received

MURRAY COX
CHAIRMAN

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER



4 April 2013

Lake Tekapo Community Board
1 Hamilton Drive
LAKE TEKAPO 7999

Attn: Murray Cox

Genesis Energy
PO Box 9056
Christchurch 8149
New Zealand

Genesis Power Limited
trading as Genesis Energy

Telephone: 03-338-9325
Mobile: 021-488-451

Email: elinor.watson@genesisenenergy.co.nz

Dear Murray,

RE: Tekapo Canal Remediation Project - End of Season 1 works

I am pleased to write to you to report that Genesis Energy is nearing the completion of the first season of works which has seen the re-lining of two sections of the Tekapo Canal.

It has been an extremely successful construction season, and we have been fortunate with the settled weather allowing us to progress works ahead of schedule. We anticipate the canal coming back into service earlier than the scheduled date of 21 April 2013.

Over the next several days, we will be re-watering the two sections of the canal that have been de-watered for the re-lining works. We will also be removing the four cofferdams that have been in place since works commenced on 9 January 2013, which have allowed the two sections of the canal to be re-lined in the dry.

The removal of the cofferdams will result in some sediment suspension in the water column, which will move down the canal once flow is re-started. Though settling of much of the sediment is expected, a sediment plume may be visible in Lake Pukaki as the canal water enters Lake Pukaki via Tekapo B Power Station. We expect this sediment plume to settle out quickly. Genesis Energy will be installing silt barriers along the canal to limit the migration of sediment as much as is practicable, and we will be monitoring the water quality during cofferdam removal to ensure we remain well within our consented suspended solid limits.

Over the period April – July 2013, there will be external earthworks occurring at the Maryburn Fill section of the Tekapo Canal, in preparation for the re-lining of this section of the Tekapo Canal during season 2. I will be in touch as soon as possible once the date for the season 2 works has been determined.

I would like to remind you that Genesis Energy may operate its control gates at any time for operation purposes, and as a response to potential heavy inflows into Lake Tekapo. The public are asked not to enter watercourses downstream of Genesis Energy structures in case of sudden flow changes.



I would like to express my sincere thanks for your on-going support during the season 1 works, and look forward to meeting with you again prior to season 2 works commencing.

In the meantime, if you have any questions about this project, please give me a call or an e-mail.

Yours sincerely

A handwritten signature in black ink, appearing to read "Elinor Watson".

Elinor Watson
Environmental Coordinator
GENESIS ENERGY

Meeting notes – Lake Tekapo Community Board
11/03/2013 – 6:00 pm
Mantra Apartments – Lake Tekapo

Lake Tekapo Community Board:

Murray Cox
 Peter Maxwell
 Allan Hayman

Genesis Energy:

Rebecca Larking
 Elinor Watson

Ellie and Rebecca gave an overview of the progress of the Tekapo Canal Remediation Project. The works are ahead of schedule due to the settled weather. State Highway 8 bridge works are scheduled to be completed at the end of March, and the canal around the 8.17 km culvert is being reconstructed.

Ellie explained that when the four cofferdams are removed and the canal flow is re-initiated, there will be a pulse of sediment that travels down the canal and is flushed into Lake Pukaki. Genesis Energy will be installing air curtains within the canal to trap and settle some of the sediment, and will also be monitoring the canal water to ensure any discharges remain well within our Total Suspended Solids limit of 100g/m³.

During late March – July 2013, external earthworks will be undertaken on the Maryburn Fill section of the Canal batters and adjacent canal roads in preparation for the season 2 re-lining in this section of the canal. Heavy trucks will require the use of Farm Bridge 3, and as such, Genesis Energy intends to close section of the canal for public vehicle access for Health and Safety reasons. A gate will be installed at the Tekapo B headpond end of the canal which will still allow access for foot traffic to as far as the third farm bridge.

Dates for season 2 works have not been set yet, as there is a consultation process to go through with Meridian Energy first. We will let the Community Board know as soon as the dates have been set.

At time of meeting, Genesis Energy was spilling 20 cumecs at Gate 16 into the Tekapo River. We do not anticipate having to spill more than this again during this outage, however if we experience a significant rainfall event spill may increase again, in which case our safety procedures will be followed.

The Community Board queried whether Genesis Energy intended to open up the canal road again after the project is complete. The Community Board consider it is an attraction for tourists to cycle and walk along. Rebecca said this discussion being held within Genesis Energy. There are safety considerations to take into account. Genesis Energy will communicate any proposed outcomes of this discussion with the Community Board.

Ellie reminded the Board of the bus trip along the canal which we are running on Sunday 24 March. If the Board can't make this trip, we're happy to organise another one for the Board to see the works at a later more convenient date.

Meeting ended at 6:45pm.

MACKENZIE DISTRICT COUNCIL

REPORT TO: TEKAPO COMMUNITY BOARD
SUBJECT: COMMUNITY HALL FEES
MEETING DATE: 22 APRIL 2013
REF: LAN 10/21
FROM: COMMUNITY FACILITIES MANAGER
ENDORSED BY: CHIEF EXECUTIVE OFFICER

PURPOSE OF REPORT:

To discuss the new fees for the Lake Tekapo Community Hall.

RECOMMENDATIONS:

1. Report be received

GARTH NIXON
COMMUNITY FACILITIES MANAGER

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER

	Current	Proposed Local	Proposed Commercial
Tekapo Community Hall			
Community Board room – morning or afternoon or evening	\$13.00	\$ 15 per hour	\$30
Main Hall – morning or afternoon or evening	\$28.10	\$ 15 per hour	\$30 per hour
Kitchen for cup of tea/coffee – per use, zip and mugs	\$5.20	Incl board room hire	Incl board room hire
Kitchen for catering use – includes ranges, crockery and cutlery	\$23.00	\$25 per hour	\$50 per hour
Use of whole complex (wedding/function , kitchen and board room included	\$138.00	\$ 300 per day	\$600 per day
Setting up/decorating/cleaning, day before and after	\$47.00	\$ 50	\$ 100 per day
Per hour hall hire	\$12.60		
For use away from the complex	Each Day	Each Day	Each Day
Tables	\$5.20	\$5.20	\$10.00
Chairs	\$1.00	\$1.00	\$2.00

MACKENZIE DISTRICT COUNCIL

REPORT TO: TEKAPO COMMUNITY BOARD
SUBJECT: LIGHT ORDINANCES
MEETING DATE: 22 APRIL 2013
REF: LAN 10/7
FROM: CHIEF EXECUTIVE OFFICER

PURPOSE OF REPORT:

Discussion regarding progress of a brochure outlining and informing the public of the need to protect the night sky environment in Lake Tekapo.

BACKGROUND:

At the Tekapo Community Board Meeting on 11 March 2013 it was requested by Community Board Member Mr Munro that Lighting Ordinances currently listed as a matter under action item be tabled as an agenda item at the next Tekapo Community Board meeting to detail the progress of the development of a brochure about the protection of the night sky environment in Lake Tekapo.

Aoraki Mackenzie International Dark Sky Reserve Board has developed a brochure outlining light control measures (copy attached).

RECOMMENDATIONS:

1. Report be received

WAYNE BARNETT
CHIEF EXECUTIVE OFFICER

Aoraki Mackenzie

International Dark Sky Reserve

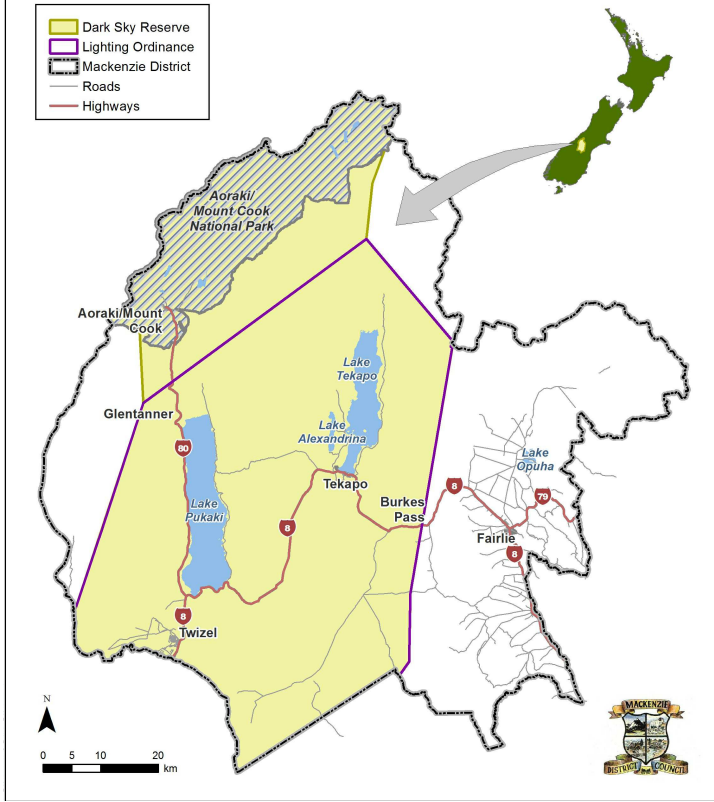
In June 2012 over 4367 square kilometres of New Zealand's South Island were proclaimed as an International Dark Sky Reserve, making it the largest in the world. The Aoraki Mackenzie International Dark Sky Reserve (IDSR), comprised of the Aoraki/Mt. Cook National Park and the Mackenzie Basin, is the third such dark sky reserve in the world.

International Dark-Sky Association's Executive Director Bob Parks remarks, "The new reserve is coming in at a 'Gold' level status. That means the skies there are almost totally free from light pollution. To put it simply, it is one of the best stargazing sites on Earth."

The new reserve recognizes that the night sky has played a critical role in the area's history. As its first residents, the Maori used the night sky not only to navigate to the island but also integrated astronomy and star lore into their culture and daily lives. The reserve seeks to honour that history by keeping the night sky as a protected and integral part of the area's natural and cultural landscape. It is a perfect place to protect and honour those traditions as the IDSR's Mackenzie Basin has the clearest, darkest and the most spectacular night sky in New Zealand.



Aoraki Mackenzie International Dark Sky Reserve



Recognition of the Aoraki Mackenzie area as an International Dark Sky Reserve resulted from the dreams and hard work of many individuals and organisations, both within the local area and from around New Zealand. The application document was formally presented to the International Dark-Sky Association with the support of The Mackenzie District Council, The Department of Conservation, The University of Canterbury Mt John Observatory, and the Royal Astronomical Society of New Zealand. The application document can be downloaded from:

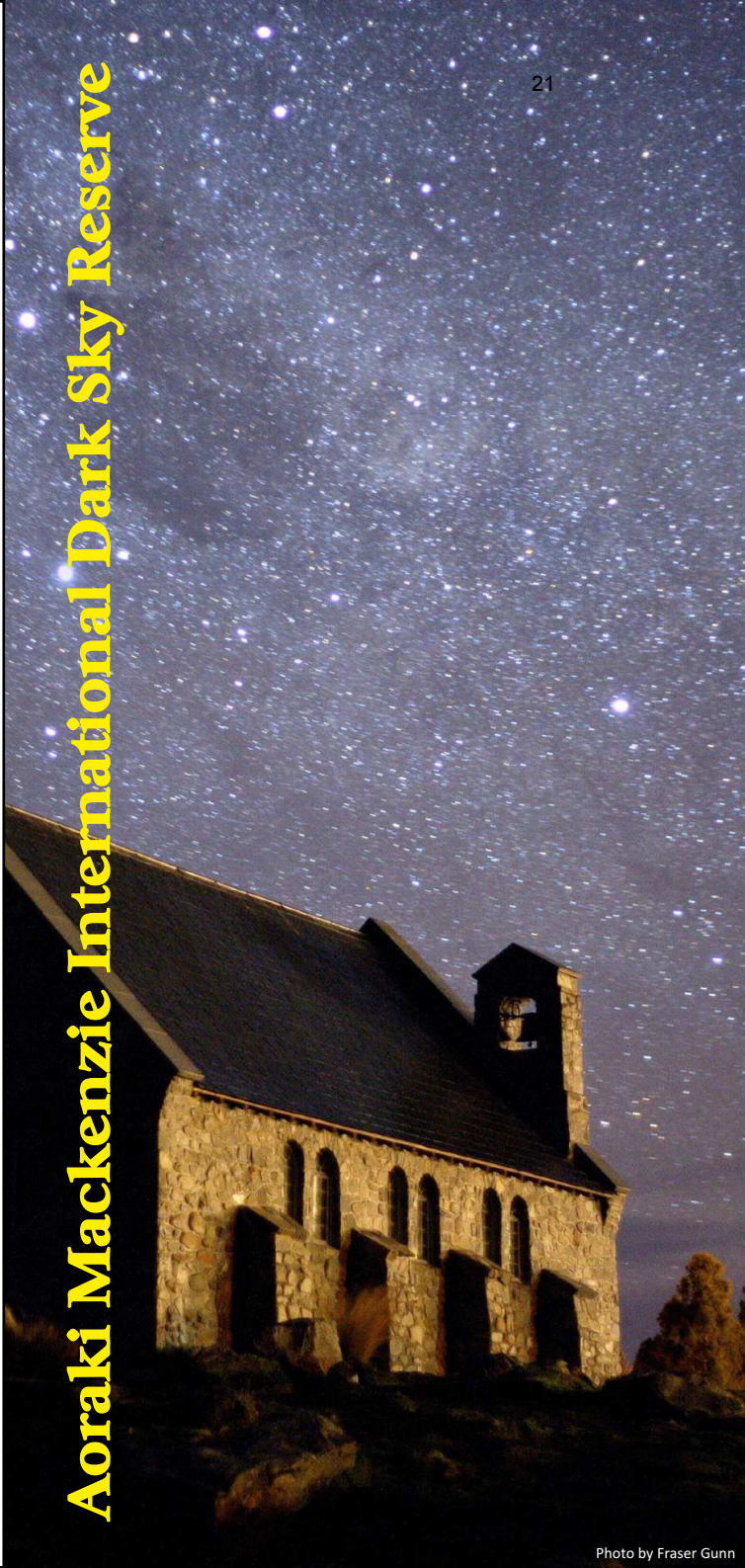
<http://www.saps.canterbury.ac.nz/starlight/index.shtml> (34MB PDF)



Department of Conservation
Te Papa Atawhai



Aoraki Mackenzie International Dark Sky Reserve



INTERNATIONAL DARK SKY PLACES

The International Dark-Sky Association (IDA) takes great pride in its efforts to protect our natural nightscapes. Yet night sky protection starts locally, with a dedicated group of citizens. Through our International Dark Sky Places programme, IDA and its partners certify locations with exceptional nightscapes as International Dark Sky Communities (IDSC), International Dark Sky Parks (IDSP), or International Dark Sky Reserves (IDSR).

These locations serve as reminders that with quality outdoor lighting, the extraordinary wonders of the nighttime sky and night environment are just as much a part of our lifestyle and history as are the daylight hours. In fact, without the inspiration from night sky objects, much of the world's history, art, culture, music, and literature would not have been created. IDSPlaces celebrate this rich heritage with innovative outreach programmes meant to inspire others to cherish the sky.



Aoraki Mt Cook Light Bollard
Note darkened baffles

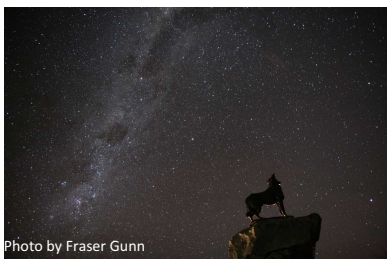
The Aoraki Mackenzie International Dark Sky Reserve is a multifunctional one, in which the landscape is of outstanding beauty, significant biodiversity and has

geologically important features. Night sky tourism is not only a significant source of income for members of the local population, but is woven into local culture in providing a point of reflection on the night sky for local people and visitors in understanding and experiencing the night sky.



Twizel Township Lighting

The Dark Sky Reserve Concept promotes starlight destinations as places where history, science, aesthetics and spirituality may be interpreted for members of the public alongside viewing of the night sky.



Tekapo Dog Statue and Starry Night Sky

WHAT CAN YOU DO?

Assess your requirements. Determine if or where you really need light. Don't use light as "decoration" or for visual effect at night.

Direct light where it is needed. Remember that at night, less is more. Concentrate fixtures only where needed. Choose fixtures that can be aimed, and keep them aimed towards the ground.

Avoid glare. Glare actually compromises safety, as it can render an attacker or intruder invisible. Glare is often caused by an unshielded source, such as a fixture where the bulb is visible.

Use lower wattage bulbs. More light does not mean more safety. The dark adapted eye can best see at night when there is uniformity of illumination. A bright light against a dark background causes pupil contraction, so the dark background beyond the bright light is invisible.

Use "full cutoff" fixtures, which means that no light is emitted at or above the horizontal.

Make sure that the light source is not visible when viewing the fixture straight on.

When choosing lighting **avoid harsh or blue white lamps.** Choose "warm white" or lamps rated at 4000°K or less.

Keep in mind the motto "**Lights Down, Stars Up**".

Who's who...

International Dark-Sky Association	www.darksky.org
Starlight Festival	www.starlightfestival.org.nz
Mackenzie District Council	www.mackenzie.govt.nz
Department of Conservation Aoraki Mt Cook	www.doc.govt.nz/parks-and-recreation/national-parks/aoraki-mount-cook
Mt John Observatory	www.phys.canterbury.ac.nz/research/mt_john
Earth and Sky	www.earthandskynz.com
The Hermitage - Big Sky Stargazing	www.hermitage.co.nz/en/the-sir-edmund-hillary-alpine-centre/big-sky-stargazing
Fraser Gunn Photography	www.frasergunn.co.nz
Tekapo Starlight	www.tekapostarlight.co.nz
RASNZ Dark Skies Group	www.rasnz.org.nz/darkskies

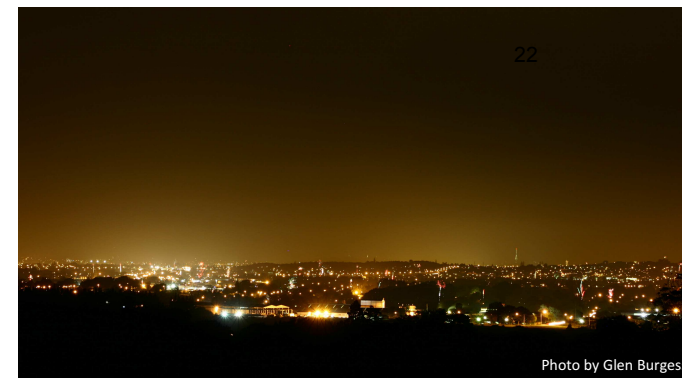


Photo by Glen Burgess

Auckland at Night

WHY

There are at least nine reasons to reduce light pollution and to protect the natural night sky. They go beyond nature conservation to touch upon appropriate design and land development control policies.

- To preserve the ecological integrity of natural environments.
- To ensure the full enjoyment of a wilderness experience.
- To appreciate the integrity, character and beauty of rural landscapes.
- To protect and present the commemorative integrity (authenticity) of cultural sites.
- To preserve traditions that relate to celestial mythologies, navigation and other cultural aspects.
- To protect human health, both medical and psychological.
- To contribute to energy efficiency.
- To benefit scientific and amateur astronomy and the right to enjoy the night sky.
- To improve personal security through non-glare lighting in urban areas.



Photo by Fraser Gunn

Aoraki Mackenzie at Night