



Notice is given of an Extraordinary Meeting of Council to be held on:

Date: Tuesday, 25 February 2020

Time: Following the Audit and Risk Committee Meeting

Location: Council Chambers

Fairlie

AGENDA

Extraordinary Council Meeting

25 February 2020

**Suzette van Aswegen
Chief Executive Officer**

Council Membership:

Mayor Graham Smith (Chair)
James Leslie
Anne Munro
Stuart Barwood
Murray Cox
Emily Bradbury

The purpose of local government:

(1) The purpose of local government is—

- (a) to enable democratic local decision-making and action by, and on behalf of, communities; and
- (b) to meet the current and future needs of communities for good-quality local infrastructure, local public services, and performance of regulatory functions in a way that is most cost-effective for households and businesses.

(2) In this Act, good-quality, in relation to local infrastructure, local public services, and performance of regulatory functions, means infrastructure, services, and performance that are—

- (a) efficient; and
- (b) effective; and
- (c) appropriate to present and anticipated future circumstances.

(Local Government Act 2002)

Order Of Business

1 Opening5

2 Apologies 5

3 Declarations of Interest5

4 Reports 6

 4.1 Low Pressure Street Light Replacement to 2200K LED 6

5 Public Excluded 9

 5.1 Allocation of Grants from the Promotion of Tekapo Township (Genesis) Fund..... 9

- 1 OPENING**
- 2 APOLOGIES**
- 3 DECLARATIONS OF INTEREST**

4 REPORTS

4.1 LOW PRESSURE STREET LIGHT REPLACEMENT TO 2200K LED

File Reference: 20022020
Author: Scott McKenzie, Roading Manager
Authoriser: Bernie Haar, Engineering Manager
Attachments: Nil

PURPOSE OF REPORT

This report outlines the request for non-budgeted expenditure required to be spent to change out our low pressure sodium (LPS) light fittings to 2200K LED to take advantage of a 85 percent financial assistance rate.

STAFF RECOMMENDATIONS

1. That the report be received.
2. That council approve the spending of unbudgeted expenditure to the value of \$179,000 to change out streetlights for low pressure sodium to 2200K LED.

BACKGROUND

New Zealand Transport Agency (NZTA) until the end of the financial year 2020/2021 NZTA are offering a favourable financial assistance rate (FAR) of 85 percent to change out the street lighting to LED fittings. The majority of our existing street lighting is low pressure sodium. The low pressure sodium fittings contain predominantly orange light which is excellent for astronomy observation with little to no blue light. As part of the change out NZTA offered to colour spectrum options which is measured in Kelvin (K) the options were 4000K and 3000K. 3000K was recommended by NZTA for dark sky sensitive areas.

We have managed to secure and get NZTA written approval for 2200K LED fittings which are compliant with International Dark Sky Reserve and shall future proof the International Dark Sky Reserve - Gold status in the Mackenzie District which is one of three in the world. The 2200K colour range was previously agreed by Council in discussions with the Aoraki Mackenzie International Dark Sky Reserve (AMIDSR) board as the closest option to LPS as possible in LED without compromising on safety and amenity. Trial 2200K fittings have been sourced, installed and tested to ensure suitability and they meet the requirements for overhead lights. Bollard style lights have been trialed and tested in 3000K but not in 2200K due to not being able to supply in this type of fitting to date. Assuming the performance is like for like with over heads we predict that the brightness and output of the lights will be the same, but will be more yellow/orange in appearance.

There are 1075 fittings that are required as part of this change out. Of this total 755 of these lights are overhead and 320 are bollards. There have been 158 fittings that are already changed out in the district to 3000K LED prior to this enhanced subsidy rate being announced. These 3000K fittings have been used in the recent subdivisions to date and will continue in the current developments until change out occurs as small quantities of these 2200K fittings can't be sourced. The total cost

of the project is estimated to be \$1,191,111 to change out the remaining fittings. Of this \$179,000 approximately will be required as local share portion which will be unbudgeted.

We are now unable to source these LPS bulbs at all and therefore we have a number of outages. We are currently using second hand stock to try hold, but change out is required. A solution to this is required to prevent further outages, future proof street lighting and retain the dark sky status in a cost effective manner. There is limited supply of used equipment and we can't continue to hold the network any longer.

POLICY STATUS

Lighting must be compliant with the international dark sky reserve requirements as required and specified in the district plan. 2200K is the colour spectrum agreed on with the AMIDSR Board and discussion with the previous Council as a future proofed lighting level.

SIGNIFICANCE OF DECISION

Low pressure sodium fittings can no longer be sourced. The majority of our current fittings are low pressure sodium that are compliant with the international dark sky reserve requirements. With the majority of our neighbouring councils taking up this opportunity to change out it is unlikely that additional stock will be carried going forward unless the fittings are LEDs. The 2200K fittings aren't available off the shelf therefore there is a minimum quantity that must be ordered the additional will allow for any further failures, faults ,subdivision, growth, etc.

If Council wasn't to take up this opportunity it is not likely this FAR would be offered again by NZTA. Resulting in the standard FAR being available only which is currently only 51 percent. Therefore we would miss out on approximately \$405,000 worth of funding.

There will be cost savings with the change out of these fittings to LED as the fittings will last longer reducing maintenance costs. LED fittings are more energy efficient meaning energy cost will be reduced as well as these fittings having less spill than the low pressure sodium fittings.

OPTIONS

To do nothing and proceed with our current maintenance regime. LPS bulbs can no longer be sourced therefore an alternative dark sky compliant fitting is currently required. Or light as they blow will remain out. Not recommended

Take up the favourable FAR rate and approve unbudgeted spend to change out our streetlight fittings to 2200K LED both overhead and bollards.

CONSIDERATIONS

Legal

N/A

Financial

The \$179,000 approximately local share is required to complete the change out. Given this expenditure is unbudgeted. The pay back for these change out is calculated at 4 years in NZTA's calculation sheet.

Other

If the lighting stock or the installation runs over the time period allowed (end of the financial year 2020/21) then the costs of the remaining product or installation will be only funded at the standard funding rate of 51 percent.

There is a 12 week lead time on the delivery of the board fittings currently, but we should be able to achieve the delivery times providing the order is placed within the month. There is some risk involved if there are issues with the LED fitting supply but there shouldn't be any issue with the installation providing the fitting supply can be met. We have been assured by suppliers they can meet the supply demand.

CONCLUSION

Council staff recommend that Council take advantage of the favourable FAR rate offered by NZTA and approve the unbudgeted local share spend, given the benefits these new fittings offer and the pay off period.

SUZETTE VAN ASWEGEN
CHIEF EXECUTIVE OFFICER

5 PUBLIC EXCLUDED**RESOLUTION TO EXCLUDE THE PUBLIC****RECOMMENDATION**

That the public be excluded from the following parts of the proceedings of this meeting.

The general subject matter of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under section 48 of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under section 48 for the passing of this resolution
5.1 - Allocation of Grants from the Promotion of Tekapo Township (Genesis) Fund	s7(2)(a) - the withholding of the information is necessary to protect the privacy of natural persons, including that of deceased natural persons	s48(1)(a)(i) - the public conduct of the relevant part of the proceedings of the meeting would be likely to result in the disclosure of information for which good reason for withholding would exist under section 6 or section 7