



CITY OF HOBART

AGENDA

**ECONOMIC DEVELOPMENT AND COMMUNICATIONS COMMITTEE
MEETING
(OPEN)**

THURSDAY, 24 MARCH 2016

AT 5.00 PM

SUPPLEMENTARY ITEM

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AND MAWSON PLACE CARDINAL LIGHTS – FILE REF: 13-56-1**

**12. COLOUR CAPABLE LIGHTING – SALAMANCA PLACE FLOODLIGHTS
AND MAWSON PLACE CARDINAL LIGHTS – FILE REF: 13-56-1**

6x's

Report of the Director Community Development and the Group Manager
Infrastructure Planning of 17 March 2016.

DELEGATION: Council

The General Manager reports:

“In accordance with the provisions of Part 2 Regulation 8(6) of the Local Government (Meeting Procedures) Regulations 2015, this supplementary matter is submitted for the consideration of the Committee.

Pursuant to Regulation 8(6), I report that:

- (a) information in relation to the matter was provided subsequent to the distribution of the agenda;
- (b) the matter is regarded as urgent; and
- (c) advice is provided pursuant to Section 65 of the Act.”

TO Economic Development and Communications Committee

FROM Director Community Development and Group Manager
Infrastructure Planning

DATE : 17 March 2016

SUBJECT : **COLOUR CAPABLE LIGHTING – SALAMANCA PLACE
FLOODLIGHTS AND MAWSON PLACE CARDINAL
LIGHTS**

FILE : 13-56-1 IG:AC (o:\council & committee meetings reports\edcc reports\2016 meetings\24 march\dark
mofo - additional lighting report.docx)

1. INTRODUCTION

- 1.1. The purpose of this report is to advise on the potential for more colour capable lighting infrastructure for Salamanca Place floodlighting and for the cardinal lights in Mawson Place, in time for Dark Mofo in 2016.

2. BACKGROUND

- 2.1. At its meeting held on June 9, 2015, the Council resolved, *inter alia* that:

“A further report be provided exploring the application of more colour capable lighting infrastructure for Salamanca Place and for the cardinal lights in Mawson’s Place in time for Dark Mofo in 2016.”

- 2.2. A lighting design consultant has been appointed to prepare a lighting master plan for the waterfront area (including Salamanca Place and Mawson Place). The impetus for the master plan was to provide an inventory and analysis of the current lighting situation, a proposed concept for the whole area and recommendations for individual areas to be taken as opportunities arise.

Salamanca Place

- 2.3. The master plan recommendation for the facade lighting of Salamanca Place has a preliminary estimate of \$200,000. The design of this lighting would need to take into account the street and footpath lighting of Salamanca Place to ensure desired lighting levels are met.
- 2.4. It considered that the master plan proposal for Salamanca Place lighting would be better included in the scope of the Inner City Action Plan project for the Salamanca Place precinct to ensure an holistic approach is taken. The indicative timeframe for this is about three years.
- 2.5. Consequently, an interim solution has been investigated.

- 2.6. The lights along Salamanca Lawns, which provide floodlighting of the buildings along the main block of Salamanca Place, do not presently have the capacity to have multiple colours and still provide sufficient light output to provide a good colour wash on the building facades.
- 2.7. It is possible for the white LED cards in each of the existing lights to be replaced temporarily for Dark Mofo with red LED cards (much the same as changing a white light bulb with a red light bulb).
- 2.8. The estimated cost is about \$7,000 for the purchase of the red LED cards for all of the lights and about \$1,000 for initial installation work.
- 2.9. This work will allow for the LED light cards to be changed over in future years for the cost of an electrician, in the order of \$500 per annum (to change the lights from red and back to white), and also allow for the concurrent implementation of the lighting master plan for the waterfront in a coordinated fashion.
- 2.10. There is a fairly long delivery time on the red LED cards and in order to have red lighting available in Salamanca Place in time for Dark Mofo in 2016, officers have placed an order for the supply and installation of the red LEDs, being funded from the Roads Street Lighting Maintenance budget function.
- 2.11. The red LED cards are expected to be used for approximately a three year period until such time as the master plan recommendation for the facade lighting of Salamanca Place is implemented. The potential reuse of these lights at other sites will be investigated at that time.

Cardinal Lights (Mawson Place)

- 2.12. The potential refurbishment/upgrade of the Mawson Place lights to being colour capable was discussed with the consultants preparing the lighting master plan for the waterfront area. The consultants have advised that this would fit in with the overall concepts for lighting of Mawson Place.
- 2.13. A separate consultant has been engaged to prepare a preliminary design and cost estimate for converting the current Mawson Place cardinal lights to LED with colour capable capacity.
- 2.14. Replacing the existing lights and upgrading to white LED only is estimated to cost about \$50,000, while the estimate for installing colour capable LED lights with programmable controls to provide a range of colours is estimated at \$100,000.
- 2.15. Many of the fluorescent tubes and associated wiring in the fins of the cardinal lights have failed and currently need to be replaced. Thus a major electrical refurbishment of the lights is due and would, in any case, need to be undertaken in the near future.

3. PROPOSAL

- 3.1. It is proposed that a sum of \$100,000 be listed under the Roads Asset Renewal Program in the 2016/2017 financial year budget for upgrading the Mawson Place cardinal lights to programmable colour capable LED lights.

4. IMPLEMENTATION

- 4.1. The purchase and installation of the red LED cards for the Salamanca Place floodlights is underway. Due to the lead time in purchasing the cards this has been instigated at officer level, so that the red lights will be available in time for Dark Mofo 2016.
- 4.2. In regard to the Mawson Place cardinal lights, once funding is approved for the project, detailed design will be undertaken and quotations sought from suitable contractors to supply and install the new LED lights and control system.
- 4.3. The timeframe to commissioning is likely to be dependent on the delivery lead time for the lights, but would be completed well before Dark Mofo in 2017.

5. STRATEGIC PLANNING IMPLICATIONS

- 5.1. The installation of colour capable lights supports Goal 1 – Economic Development, Vibrancy and Culture within the Capital City Strategic Plan (2015-2025) in particular the following Strategic Objectives:

“1.3 Vibrant city centre and suburban precincts and the Priority Action;
and

1.3.1 Support and deliver events, festivals and markets.”

6. FINANCIAL IMPLICATIONS

- 6.1. Funding Source(s)
 - 6.1.1. The cost of providing red light capacity for the Salamanca Place floodlights through a red LED card is approximately \$8,000 and this is to be funded through the Street Lighting activity within the Roads Strategy and Projects budget function in the 2015/2016 Annual Plan.
 - 6.1.2. The works to upgrade the Mawson Place lights with a colour capable programmable system would include components of asset renewal and asset upgrade and it is proposed that this would be funded from the Asset Management budget function in the 2016/2017 Annual Plan.

6.2. Impact on Current Year Operating Result

6.2.1. The cost of the red light option for the Salamanca Lawns lights is about \$8,000 and can be funded in the current 2015/2016 financial year within the available Roads Strategy and Projects budget function.

6.3. Impact on Future Years' Financial Result

6.3.1. The application of red LED cards in the Salamanca Place floodlights is estimated at \$500 per annum, for a qualified tradesperson changing the lights to red and back to white for the annual Dark Mofo event.

6.3.2. The ongoing operating cost of the upgraded Mawson Place lights with colour capable capacity is expected to be slightly lower than that of the current lights. Lower electricity costs from using LED lights of about \$2,000 to \$3,000 per annum, along with reduced maintenance costs, will be partially offset by costs to operate and maintain the lighting control system.

6.4. Asset Related Implications

6.4.1. The use of red LED cards in Salamanca Place will not have any asset write off or depreciation implications.

6.4.2. The upgraded lights at Mawson Place would result in an increase in asset value of about \$50,000, and thus a rise in depreciation expense of about \$2,000 per annum. There are no asset write off implications for this project.

7. ENVIRONMENTAL IMPLICATIONS INCLUDING CLIMATE CHANGE AND SUSTAINABILITY

7.1. The upgrade of the Mawson Place lights would reduce electricity use by about 10,000kWh per annum, as the proposed LED lights would be more energy efficient than the existing combination of fluorescent tubes and metal halide lights.

8. MARKETING AND BRANDING IMPLICATIONS

8.1. The illumination of City of Hobart assets would reinforce the commitment the City of Hobart has made to Dark Mofo, and would assist in promoting Hobart to tourists and locals as a vibrant city and an emerging cultural destination in the winter months.

8.2. The City of Hobart is a member of Destination Southern Tasmania, organiser of the Paint the Town Red campaign, which commenced in 2013 and has grown over the years since its inception.

9. DELEGATION

- 9.1. Approval of the funding for the upgrade of the Mawson Place cardinal lights is delegated to the Council for determination.

10. CONSULTATION

- 10.1. The Director City Infrastructure and Manager City Marketing have been consulted in the writing of this report.
- 10.2. Consultation with lighting master plan consultants and contractors has also been undertaken.

11. CONCLUSION

- 11.1. A report has been requested by the Council to explore more colour capable lighting at Salamanca Place (floodlighting) and Mawson Place (cardinal lights).
- 11.2. The existing Salamanca Place floodlights only have limited lighting output capacity and thus cannot support multiple colours at sufficient intensity.
- 11.3. In order to provide sufficient red light to adequately illuminate the buildings, the white LED card in each light would be replaced with a red LED card. The cost of doing so is about \$8,000 and due to the delivery time for these parts, this is being implemented using maintenance funds so that red lighting will be available in time for Dark Mofo this year.
- 11.4. It is expected that the red LED cards would be used for approximately three years after which, lighting in the area would be upgraded in accordance with recommendations of a lighting master plan for the Salamanca and waterfront areas.
- 11.5. The cost of providing a programmable fully colour capable LED system for the Mawson Place cardinal lights is estimated in the order of \$100,000.
- 11.6. The current system for lighting the fins has failed and is in need of replacement. If it was replaced with white LEDs the estimated cost would be approximately \$50,000. The upgrade to a programmable colour capable light system involves an additional expenditure of approximately \$50,000.
- 11.7. It is proposed that \$100,000 be listed for consideration in the 2016/2017 financial year Asset Management budget function, to fund the replacement and upgrade of the Mawson Place cardinal lights to programmable colour capable LED standard.

12. RECOMMENDATION

That:

- 12.1. The report (o:\council & committee meetings reports\edcc reports\2016 meetings\24 march\dark mofo - additional lighting report.docx) be received and noted.*
- 12.2. A sum of \$100,000 be listed for consideration in the 2016/2017 financial year budget under the Asset Management budget function for upgrading the Mawson Place cardinal lights to programmable colour capable LED lights.*

As signatory to this report, I certify that, pursuant to Section 55(1) of the Local Government Act 1993, I hold no interest, as referred to in Section 49 of the Local Government Act 1993, in matters contained in this report.



(Scott Morgan)

GROUP MANAGER INFRASTRUCTURE PLANNING



(Philip Holliday)

DIRECTOR COMMUNITY DEVELOPMENT