

Deputy City Manager's Office Report to  
SPC on Utilities and Corporate Services  
2018 December 12

ISC: UNRESTRICTED  
UCS2018-1044

## **Deferral Report: Response to NM2017-36 (Green Roofs)**

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### **EXECUTIVE SUMMARY**

This report requests a deferral to no later than 2019 February to provide additional time for Administration to compile the results of a multi-year green roof pilot project located on the 5<sup>th</sup> floor of the Municipal Building and assess the impacts of the project on storm water management, energy efficiency, local air quality, and biodiversity.

The research team, including Corporate Analytics & Innovation, Facility Management, Water Resources, the University of Calgary, and a local green roof subject matter expert, have recently completed the collection of data from this study. Administration is in the process of assessing the results and summarizing the findings. Bringing forward a report in early 2019 will also align with a related report regarding Administration's recommended updates to Calgary's Sustainable Building Policy. The proposed updates to the Policy will include mechanisms by which to encourage the use of green roofs and other green storm water management approaches at City owned and City funded buildings.

### **ADMINISTRATION RECOMMENDATION:**

That the SPC on Utilities and Corporate Services recommends that Council defer Administration's response to NM2017-36 outlining a business case and a potential strategy on green roofs and actions to move forward to no later than 2019 February.

### **PREVIOUS COUNCIL DIRECTION / POLICY**

On 2017 September 11, Councillor Pincott presented a motion that Council direct Administration to explore retrofitting all appropriate Municipally owned buildings with Green Roof systems as part of routine lifecycle maintenance and report back to Council through the SPC on Utilities and Corporate Services on this possibility no later than 2018 Q1 and that a policy be developed to allow for all new buildings constructed by The City of Calgary incorporate Green Roof systems into their design if the roof angle allows, and return to Council, through the SPC on Utilities and Corporate Services, no later than Q2 2018

This motion was amended and referred to Administration, to bring back a business case and a potential strategy on green roofs and actions and return to Council through the SPC on Utilities and Corporate Services no later than Q2 2018.

### **BACKGROUND**

The data collection period for The City's green roof pilot project located at the Municipal Building was completed in the fall of 2018, with data analysis and results reporting currently underway. Concurrently, potential policy options to encourage the integration of green roofs and other green storm water infrastructure opportunities at City owned buildings have been reviewed with City business units and are being integrated into proposed amendments to The City's Sustainable Building Policy. The updated Policy will be presented to the SPC on Utilities and Corporate Services by 2019 February.

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### **INVESTIGATION: ALTERNATIVES AND ANALYSIS**

#### **Stakeholder Engagement, Research and Communication**

Corporate Analytics & Innovation has been working with many business units, the University of Calgary, and local subject matter experts on defining the business case for green roofs and identifying potential amendments to the Sustainable Building Policy and is awaiting the results of the green roof pilot project to inform a response to NM2017-36.

#### **Strategic Alignment**

City owned and funded building projects, including renovations and new construction projects must adhere to The City's Sustainable Building Policy. As such, potential revisions to the Policy are recommended to address the intent of NM2017-36.

#### **Social, Environmental, Economic (External)**

A triple-bottom-line analysis will be provided with Administration's response to NM2017-36.

#### **Financial Capacity**

##### ***Current and Future Operating Budget:***

Research and analysis is underway as to the cost and benefits of green roofs and other green storm water infrastructure opportunities. The deferral request does not impact future capital budgets.

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#### **Risk Assessment**

No risks have been identified with respect to this deferral.

#### **REASON(S) FOR RECOMMENDATION(S):**

Administration requires more time to provide a comprehensive assessment of the business case for green roofs, informed by a City-led pilot project, along with developing potential policy options, for Council's consideration, to encourage the adoption of green roofs and other green storm water infrastructure opportunities at City owned buildings.

#### **ATTACHMENT(S)**

Notice of Motion NM2017-36 Green Sheet