

From: "Johnston, Sadhu" <Sadhu.Johnston@vancouver.ca>
To: "Direct to Mayor and Council - DL"
CC: "City Manager's Correspondence Group - DL"
"Kelley, Gil" <Gil.Kelley@vancouver.ca>
"Smith, Doug \ (Sustainability)" <doug.smith@vancouver.ca>
Date: 7/26/2018 4:19:30 PM
Subject: Memo - Energy & Water Efficiency Updates - RTS 12582
Attachments: Memo to Mayor and Council - RTS 12582 - Efficiency Upgrades.pdf

Greetings Mayor and Council,

Please find enclosed a memo from Gil Kelly responding to Council's May 2nd request for staff to provide an update to Council on the impacts of the City's energy efficiency changes over the last 10 years.

In summary:

- Comparing 2007 and 2016, Vancouver residents and businesses each year are spending \$29 million less on energy for buildings and \$9 million less on energy for transportation.
- Between 2010 and 2016, 8,100 new green jobs have been created in Vancouver – a 49% increase.
- The Renewable City Action Plan financial modelling indicates that in 2030 households could save \$61 from home energy costs and \$522 from transportation. By 2050 those savings could grow to \$245 and \$748 per household.

Should you have any questions, please contact Doug Smith at 604.829.4308 or Doug.Smith@vancouver.ca.

Best,
Sadhu

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MEMORANDUM

July 26, 2018

TO: Mayor and Council

CC: Sadhu Johnston, City Manager
Paul Mochrie, Deputy City Manager
Katrina Leckovic, City Clerk
Lynda Graves, Administration Services Manager, City Manager's Office
Rena Kendall-Craden, Communications Director
Kevin Quinlan, Chief of Staff, Mayor's Office
Naveen Girn, Community Relations Director, Mayor's Office

FROM: Gil Kelley, General Manager, Planning, Urban Design & Sustainability

SUBJECT: RTS #12582 Energy and Water Efficiency Updates to the Building By-law and Rezoning Policy

On May 2, 2018 at the Standing Committee on City Finance and Services, during discussion around the report *Energy and Water Efficiency Updates to the Building By-law and Rezoning Policy* Council inquired to staff whether there is information available on cost savings related to efficiency upgrades over the last 10 years. This memo is in response to that inquiry.

On November 1, 2017 staff presented the [Renewable City Action Plan \(RCAP\)](http://vancouver.ca/files/cov/renewable-city-action-plan-november-2017.pdf) to council for adoption and in that report cost savings related to energy use are discussed. The relevant text is: "Between 2007 and 2016, Vancouver residents and businesses are spending \$29 million less on energy for buildings and \$9 million less on energy for transportation. The progress to date has also been accompanied by a growing number of green jobs. Between 2010 and 2016, 8,100 new green jobs have been created in Vancouver – a 49% increase." The \$29 million includes natural gas and electricity use in all buildings within the City of Vancouver. The report can be found here: <http://vancouver.ca/files/cov/renewable-city-action-plan-november-2017.pdf>

A summary of RCAP economic modelling to 2050 can be found here: <http://vancouver.ca/files/cov/energy-and-emissions-forecast-final-report.pdf> and states "In 2030, households could save \$61 from home energy costs and \$522 from transportation. By 2050, those savings could grow to \$245 and \$748 per household."

If you have any questions please contact doug.smith@vancouver.ca.



Gil Kelley, FAICP
General Manager, Planning, Urban Design and Sustainability