



LEGISLATIVE ASSEMBLY
FOR THE AUSTRALIAN CAPITAL TERRITORY

STANDING COMMITTEE ON ENVIRONMENT AND TRANSPORT AND CITY SERVICES
SUZANNE ORR MLA (CHAIR), CANDICE BURCH MLA (DEPUTY CHAIR), JAMES MILLIGAN MLA

Inquiry into referred 2017–18 Annual and Financial Reports
ANSWER TO QUESTION TAKEN ON NOTICE
13 November 2018

Asked by ELIZABETH LEE MLA:

In relation to: Impact of light rail on emissions target

MS LEE: So in terms of I suppose actual measurements, is there going to be an impact in relation to when the light rail comes on board?

Mr Rattenbury: Let me see if I understand your question. Firstly, light rail will obviously increase electricity demand, seeing as it is fully electric powered.

MS LEE: Yes.

Mr Rattenbury: In terms of avoided emissions, I am trying to think if we have some figures on that. Let me take that on notice, Ms Lee.

MS LEE: Okay, yes.

Mr Rattenbury: Certainly, I mean in the broad, clearly the intent is for greater uptake of public transport.

MS LEE: Sure.

Mr Rattenbury: And the substitution of travel types, but I cannot remember if there is specific modelling on that, so let me take that on notice and get back to you.

MINISTER RATTENBURY: The answer to the Member's question is as follows:—

No specific modelling has been done on substitution of travel types and its impact on emissions.

Light rail is electrically powered and connected to the electricity grid. Energy modelling for Light Rail Stage 1 forecasts an annual electricity consumption in the order of 5.9 GWh, which represents about 0.2% of the average annual electricity demand across the ACT.

The ACT Government's Renewable Electricity Target to source 100% of electricity from renewable sources by 2020 includes allowance for electricity consumption growth associated with Canberra's increasing population and economy, and electrification of transport.

Canberra Metro will also source emissions offsets to assist in achieving the project's goals for net zero emissions in operation and are incorporating a rooftop solar array in the design of the light rail depot in Mitchell to contribute to renewable energy generation.

Approved for circulation to the Standing Committee on Environment and Transport and City Services

Signature:



Date:

27/11/18

By the Minister for Climate Change and Sustainability, Shane Rattenbury MLA