

To: Philip Safos[Philip.Safos@metrolinx.com]
From: Stephan Mehr
Sent: Mon 4/1/2013 5:30:12 PM
Subject: RE: UP Express - 1.2 million cars off the road

On the other hand...

First year of operation = $1.1 \text{ M} \times 0.89 = 0.97\text{M}$ then $\times 1.2$ (avg occ) = 1.1748 which is approximately 1.2 million in the first year..

Stef

From: Philip Safos
Sent: Monday, April 01, 2013 12:53 PM
To: Stephan Mehr
Subject: FW: UP Express - 1.2 million cars off the road
Importance: High

Hi Stef,

I looked at the rationale for landing on the 1.2M number (recently requested by MTO) and I think we need to talk about updating the formula and assumptions.

1) *Page 17 of the 2011 SDG Update for Metrolinx. 89% of the traffic that is diverted from existing modes of transport onto UP Express is from car modes (the remaining 11% is from Express bus/transit). Therefore $0.89 \times 1.35 = 1.2$ million car trip taken off the road*

2) *MTO also uses 1.2 as the average occupancy rate per car. If you take the projected ridership (1.35M) and divide by 1.2 = 1.125M cars off the road.*

At first glance, the calculations seem to be flawed. The first one never adjusted for avg occupants in a car (assumed everyone traveled solo) and the second one did not adjust downward for the 11% that travel using airport express bus.

Exclusion per Committee Direction

1. **2015:** 1.1M ridership April-December X 89% existing car modes = 979K / 1.2 Avg Car Occupancy = **816K cars off the road**
2. **2018:** 2.3M ridership X 89% existing car modes = 2.047M / 1.2 Avg Car Occupancy = **1.7M cars off the road**

What do you think? I can appreciate the sensitivities with scaling back the 1.2M “cars off the road in the first year of operation”. I would recommend we revisit/revise all numbers following the SDG update to the forecasts currently underway.

Exclusion per Committee Direction

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Let's discuss in our roundtable today about how to respond to Tanya's request.

Phil

From: Tanya Dubar

Sent: Monday, April 01, 2013 12:33 PM

To: Stephan Mehr; Philip Safos

Cc: Kathy Haley

Subject: FW: UP Express - 1.2 million cars off the road

Steph, Phil

Please see below. This request is going to come down the pipe to us in regards to the calculation for this number. Can you advise if you wish to update based on any of your planned upcoming work?

I plan to loop in with others on this and we should discuss this offline.

Thanks,

TD

Tanya Dubar – Senior Advisor

Union Pearson Express

From: Manuel Pedrosa

Sent: Wednesday, March 27, 2013 2:20 PM

To: Tanya Dubar

Cc: Tom Aylward-Nally; Malon Edwards; Dina Graser; Stephen Lipkus

Subject: UP Express - 1.2 million cars off the road

Hi Tanya,

I've received an inquiry from Scott Dobson asking about how we arrived at the 1.2 million cars off the road. This question was posed back in 2011 and the rationale centred around using a daily ridership of 5,000 multiplied by between 275 days (9 months of operation and divided by 1.1 (the average number of people per car). Tom will provide you some colour on the background.

At this stage, we need to re-confirm this arithmetic to ensure that it is still accurate and reflects what is being released in the FOI request.

Please give me a call if you would like to discuss this further.

Regards,

Manuel Pedrosa

Manager, Community Relations

Georgetown South Project

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