



TO: Honorable Public Health and Safety Committee Members
FROM: Geo Joy, Detroit Department of Transportation
DATE: October 31, 2022
SUBJECT: Answers to CMAQ Bus Replacement Questions

Dear Madam Chair and Committee Member,

With respect to the questions submitted about the following Bus Replacement Grant for October 3, 2022, please see the answer below following the question:

1. **5307 Congestion Mitigation Air Quality (CMAQ)** - Please provide additional information regarding the Energy efficient coaches compared to the older buses.

Answer:

The replacement New Flyer Xcelsior coaches has clean diesel technology that reduces particulate emissions by 90% and NOx emissions by 95%. The NOx emission rates are being reduced on the newer model coaches.

Bus Model	NOx Reading (g/bHp-hr)
2010 New Flyer	1.25
2012 Gillig	0.29
2022 New Flyer	0.20