

APPENDIX 10

Post Process TxLED Adjustments

The following table provides the TxLED reduction and the adjustment factors for the years 2023, 2026, 2030, 2040, and 2045. The source of these reduction factors is *Production of Statewide Non-Link On-Road Emission Inventories for 2019, 2023, and 2026* (TTI, July 2021). The 2023 and 2026 TxLED factors were produced by TCEQ, based on MOVES3 inventory mode output (using Texas statewide age distributions and fuel fractions inputs based on 2018 end-of-year TxDMV vehicle registration data) and TCEQ's spreadsheet TxLED factor calculation procedure available at: <ftp://amdaftp.tceq.texas.gov/EI/onroad/txled/>. The 2030 factors were estimated by TTI using MOVES3 and 2018 registration data consistent with TCEQ methodology. For the 2032 and later analysis years TxLED factors are constant, hence 2040 and 2045 factors are the same.

Source Use Type	2023 Reduction	2026 Reduction	2030 Reduction	2040 Reduction	2045 Reduction	2023 Factor	2026 Factor	2030 Factor	2040 Factor	2045 Factor
Passenger Car	4.86%	4.83%	4.83%	4.80%	4.80%	0.9514	0.9517	0.9517	0.9520	0.9520
Passenger Truck	5.11%	5.02%	4.92%	4.80%	4.80%	0.9489	0.9498	0.9508	0.9520	0.9520
Light Commercial Truck	5.15%	5.06%	4.97%	4.80%	4.80%	0.9485	0.9494	0.9503	0.9520	0.9520
Intercity Bus	5.19%	5.06%	4.89%	4.80%	4.80%	0.9481	0.9494	0.9511	0.9520	0.9520
Transit Bus	4.92%	4.88%	4.84%	4.80%	4.80%	0.9508	0.9512	0.9516	0.9520	0.9520
School Bus	5.06%	4.97%	4.85%	4.80%	4.80%	0.9494	0.9503	0.9515	0.9520	0.9520
Refuse Truck	5.05%	4.92%	4.81%	4.80%	4.80%	0.9495	0.9508	0.9519	0.9520	0.9520
Single Unit Short-Haul Truck	4.82%	4.81%	4.80%	4.80%	4.80%	0.9518	0.9519	0.9520	0.9520	0.9520
Single Unit Long-Haul Truck	4.84%	4.82%	4.81%	4.80%	4.80%	0.9516	0.9518	0.9519	0.9520	0.9520
Motor Home	5.33%	5.17%	4.92%	4.80%	4.80%	0.9467	0.9483	0.9508	0.9520	0.9520
Combination Short-Haul Truck	4.87%	4.83%	4.81%	4.80%	4.80%	0.9513	0.9517	0.9519	0.9520	0.9520
Combination Long-Haul Truck	4.93%	4.86%	4.82%	4.80%	4.80%	0.9507	0.9514	0.9518	0.9520	0.9520