

Emission Impacts of Tier 3 Fuel

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WFRC Air Quality Committee

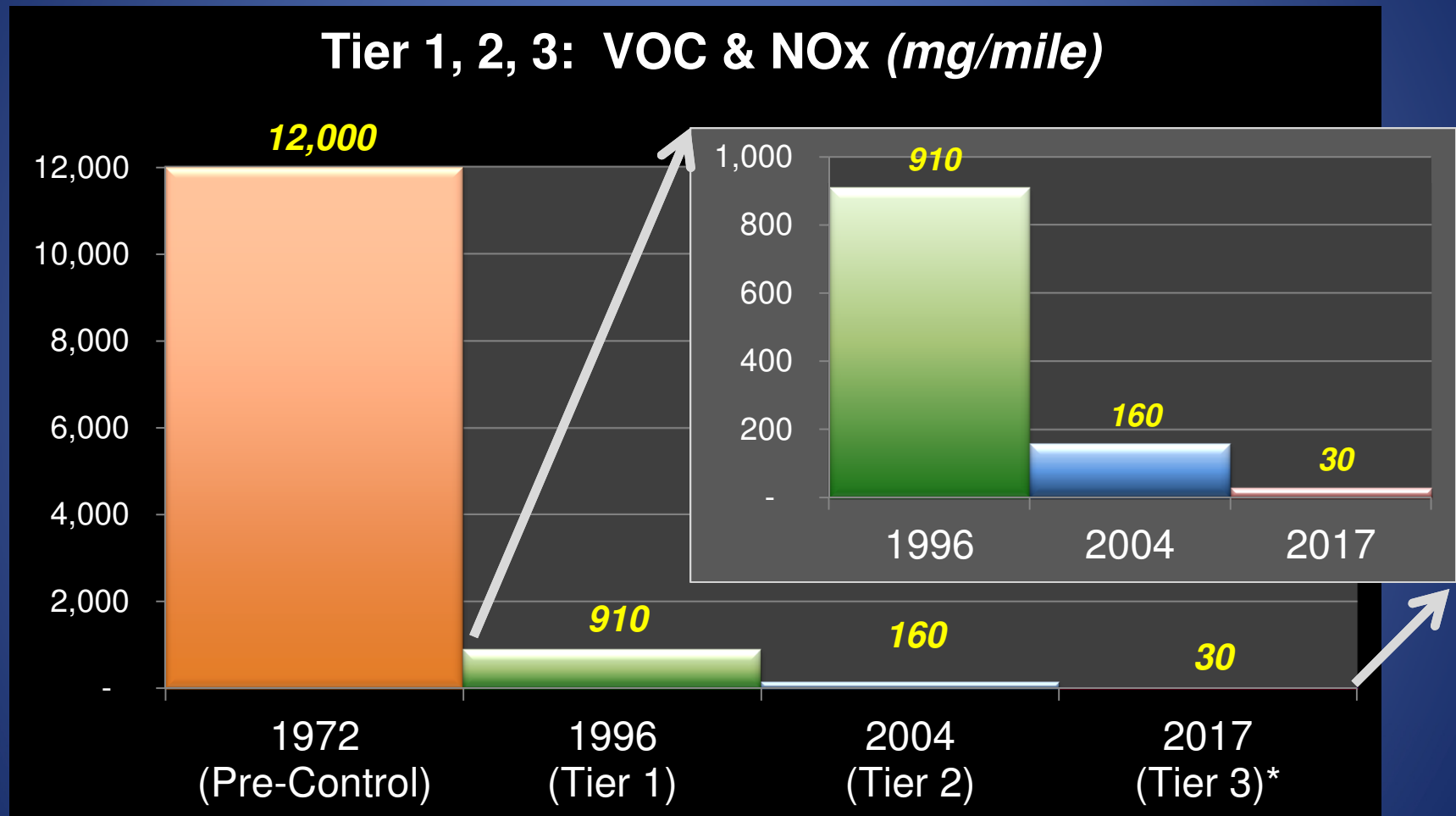
October 16, 2014



WASATCH FRONT REGIONAL COUNCIL

DAVIS | MORGAN | SALT LAKE | TOOELE | WEBER

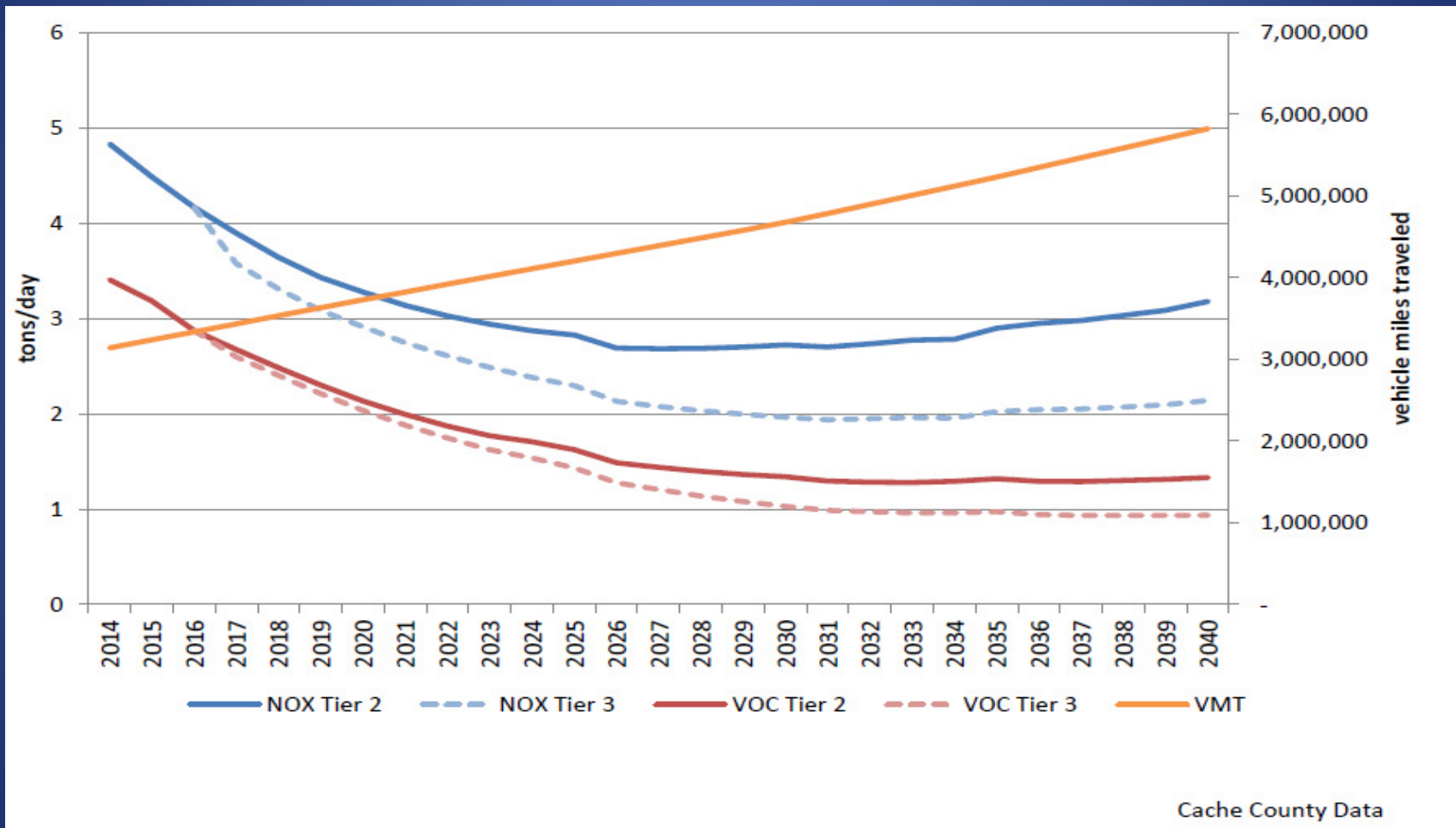
Vehicle Emission Standards



**30mg/mile is comparable to a Honda Civic CNG.
Utah is not guaranteed to receive Tier 3 fuel.*

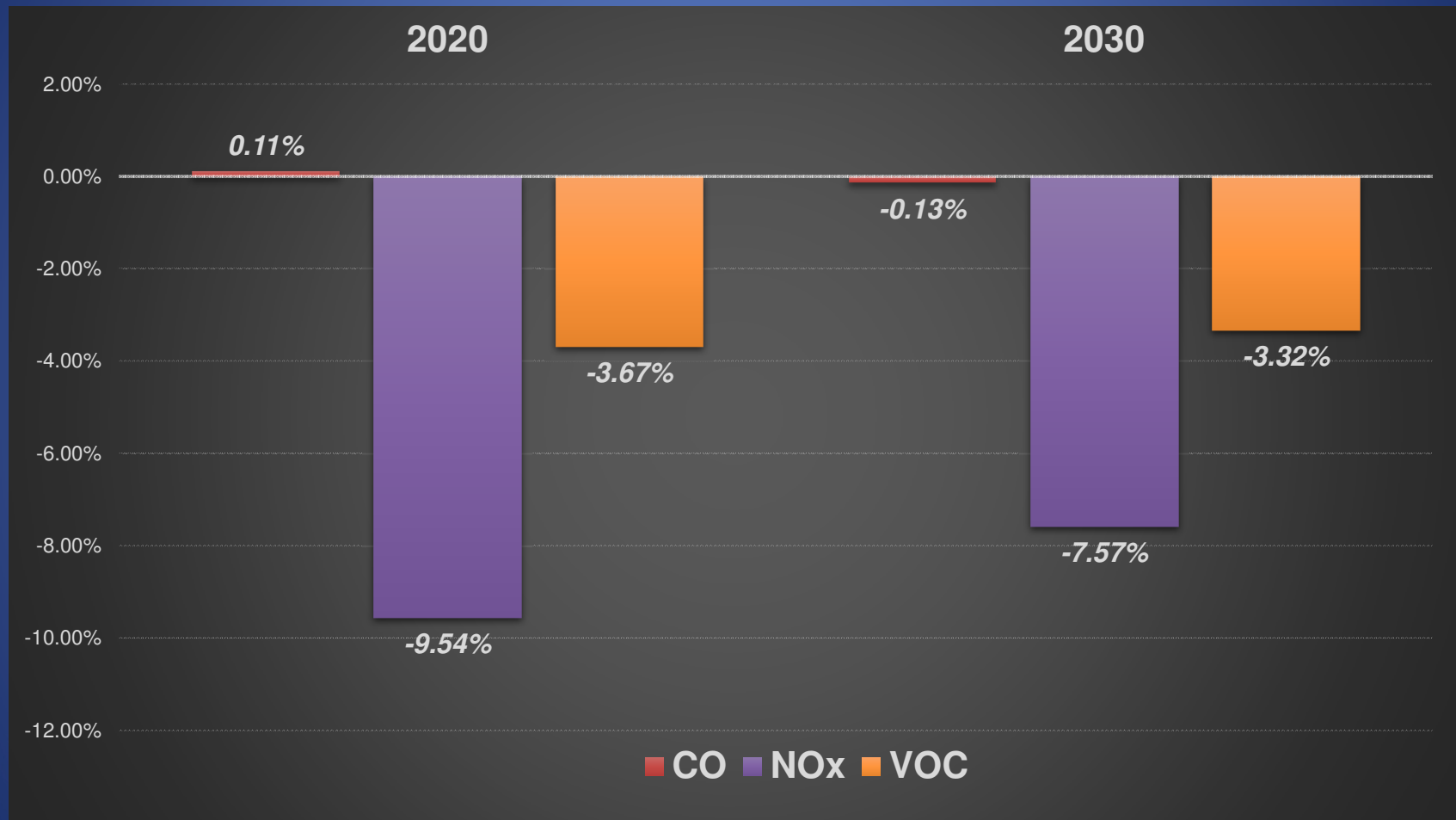
Tier 2 vs Tier 3 Vehicle Emission Trends

NOx & VOC

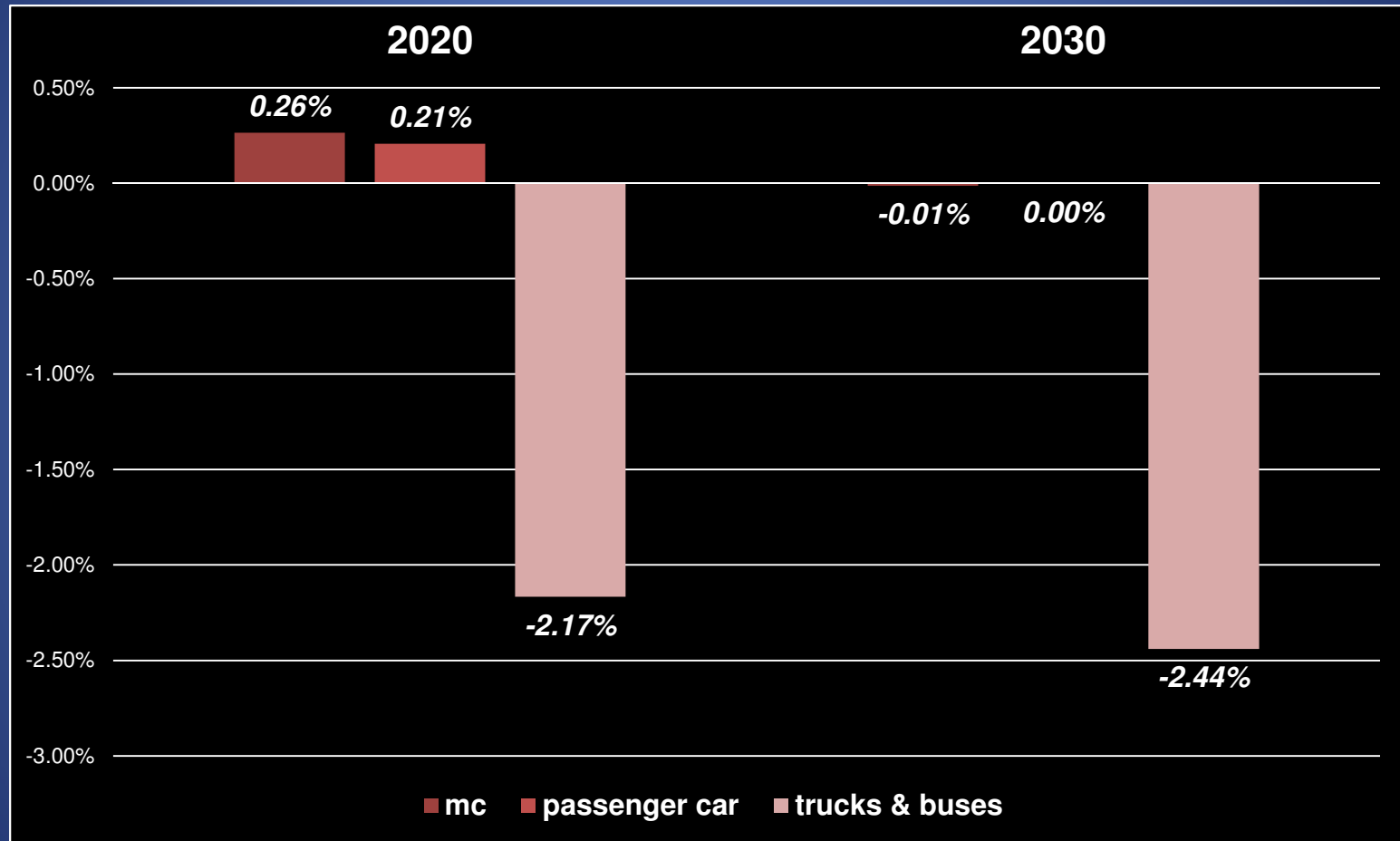


Cache County Data

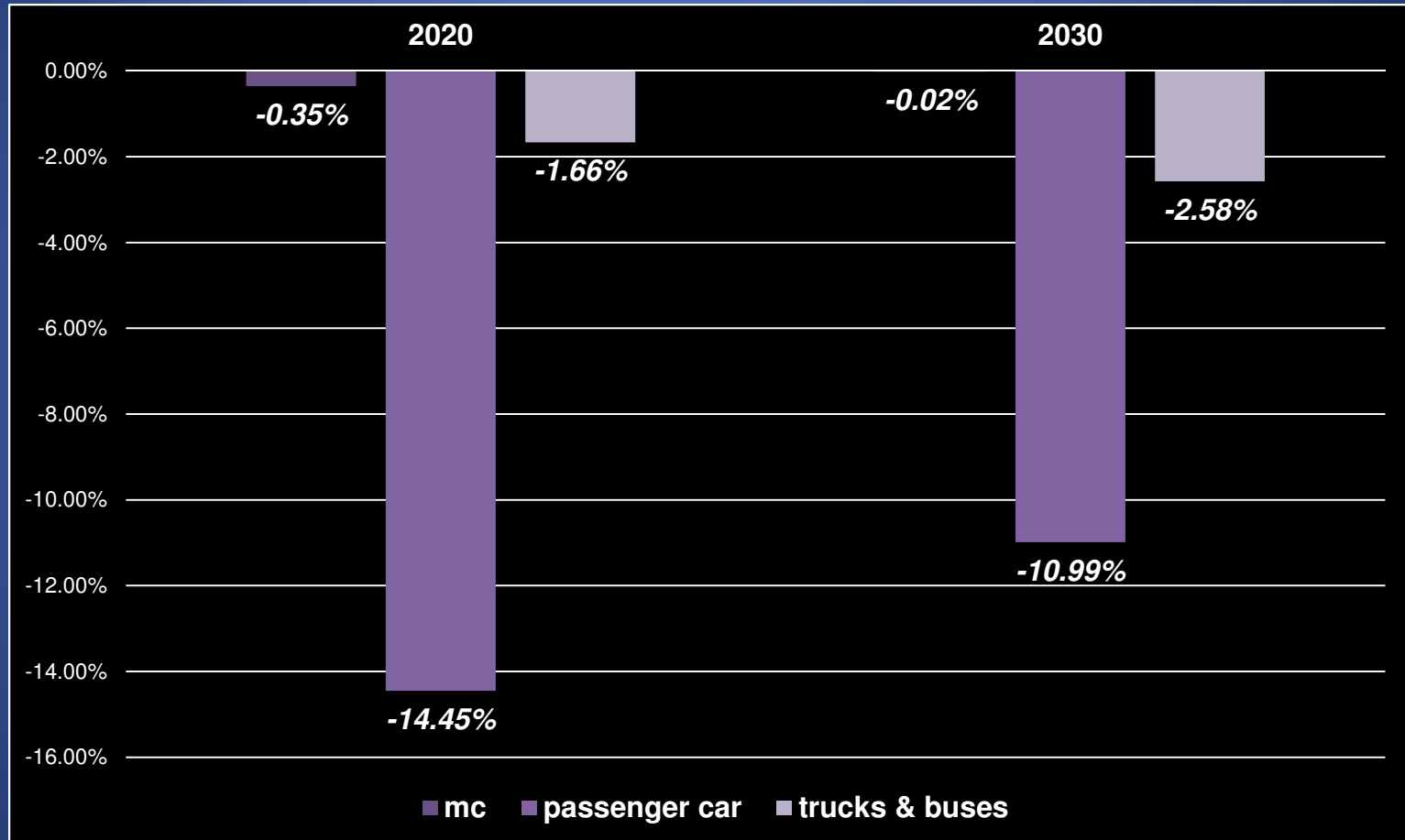
Percent Emission Reduction Tier 3 Fuel vs Existing Fuel



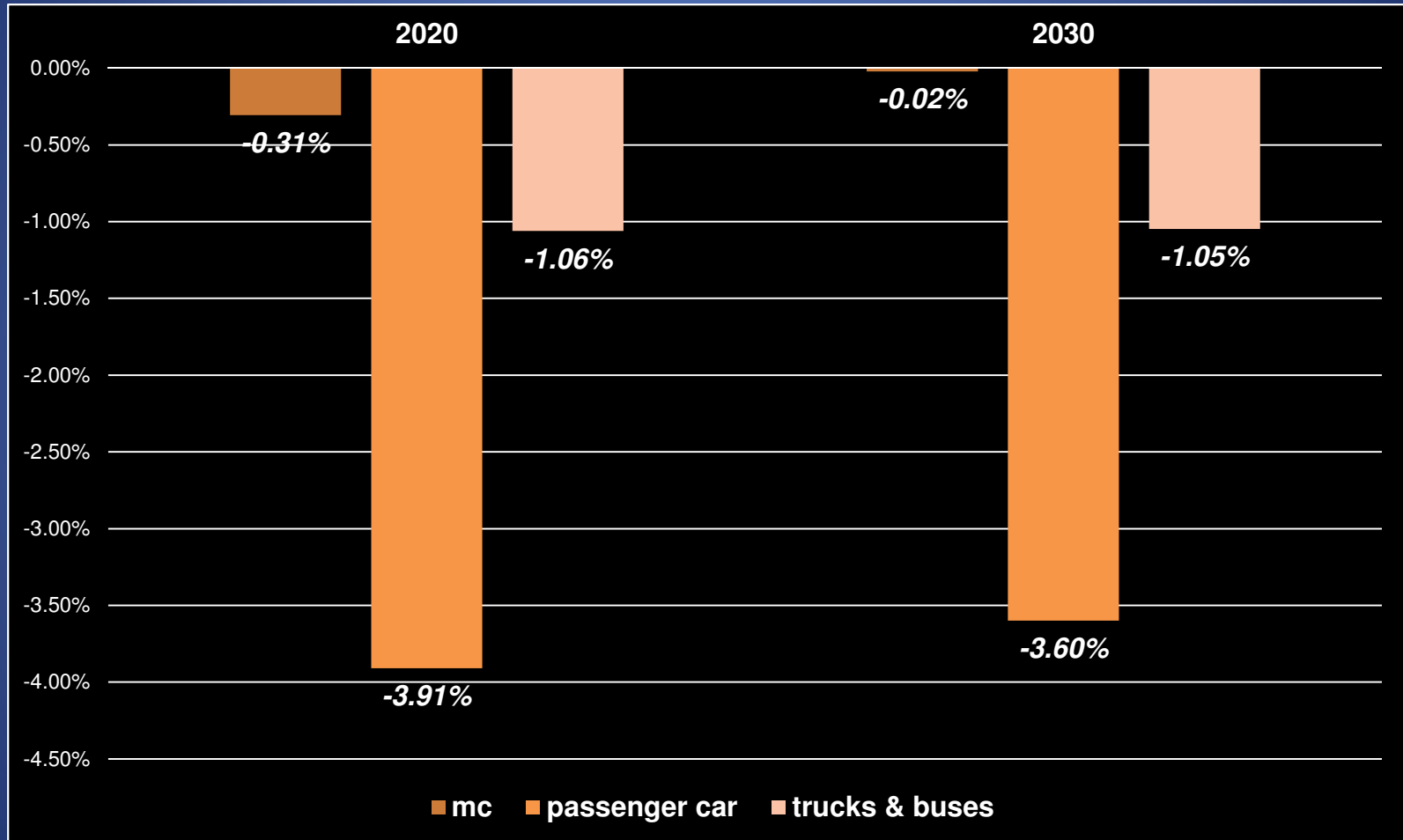
Percent Emission Reduction - CO Tier 3 Fuel vs Existing Fuel



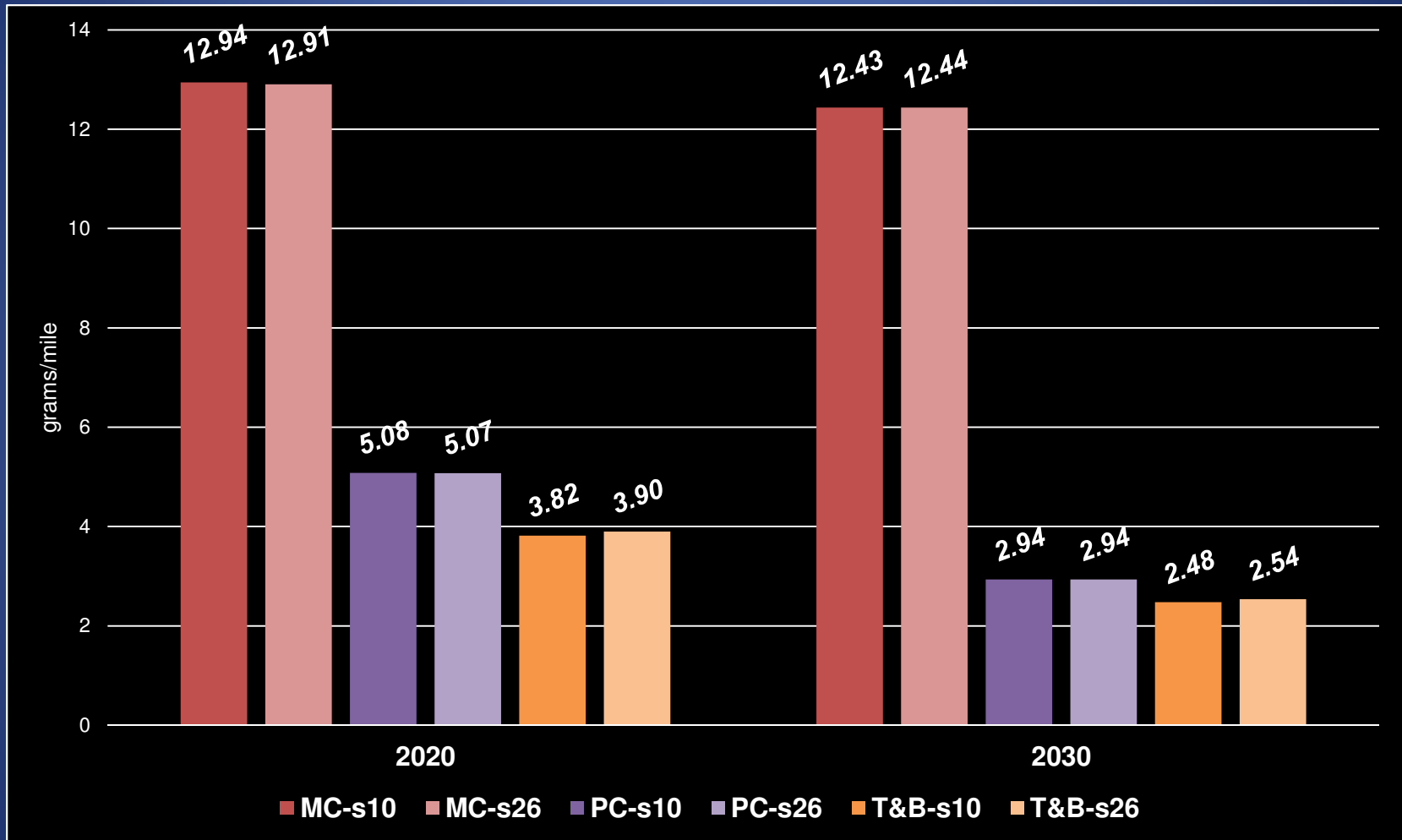
Percent Emission Reduction - NOx Tier 3 Fuel vs Existing Fuel



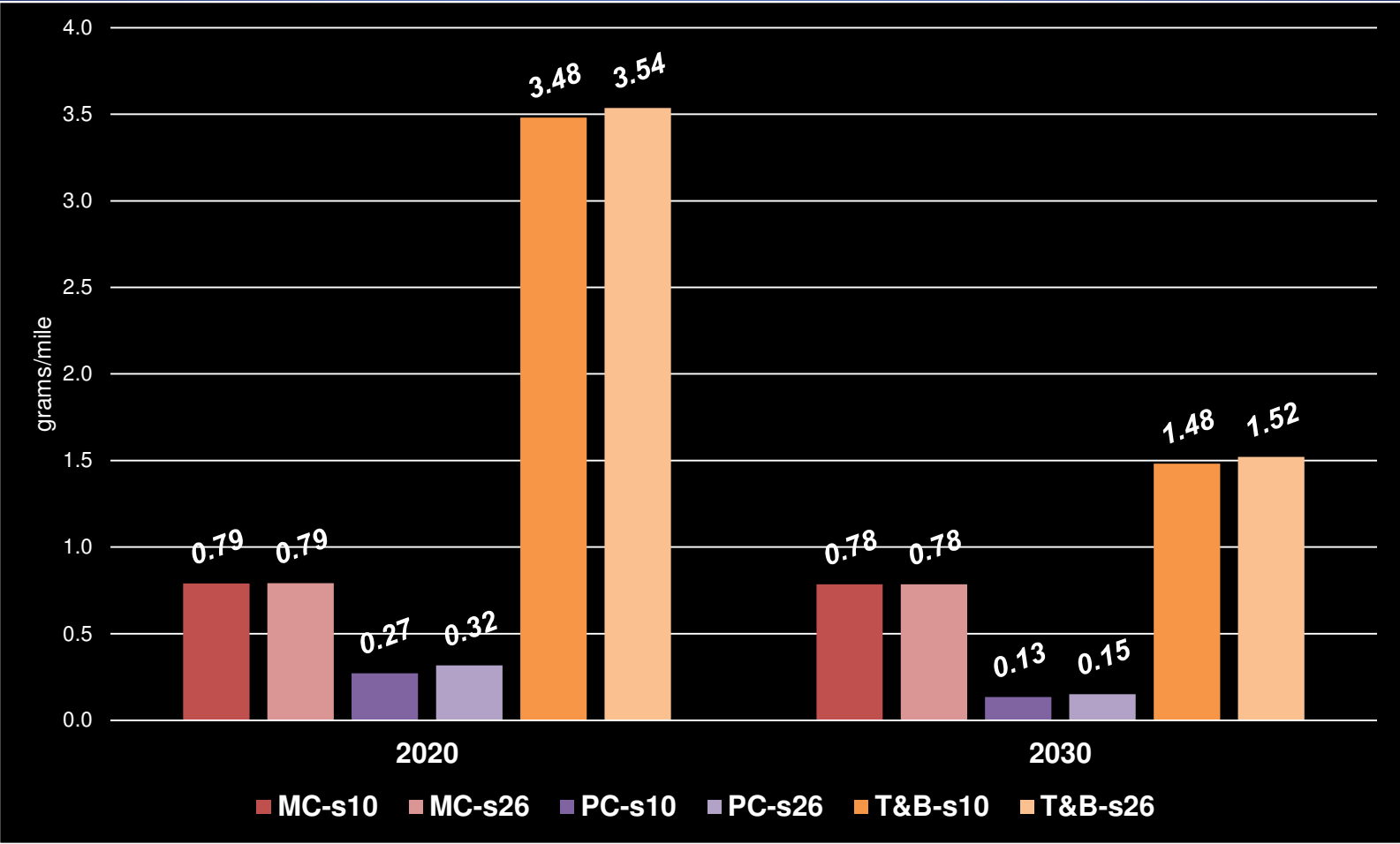
Percent Emission Reduction - VOC Tier 3 Fuel vs Existing Fuel



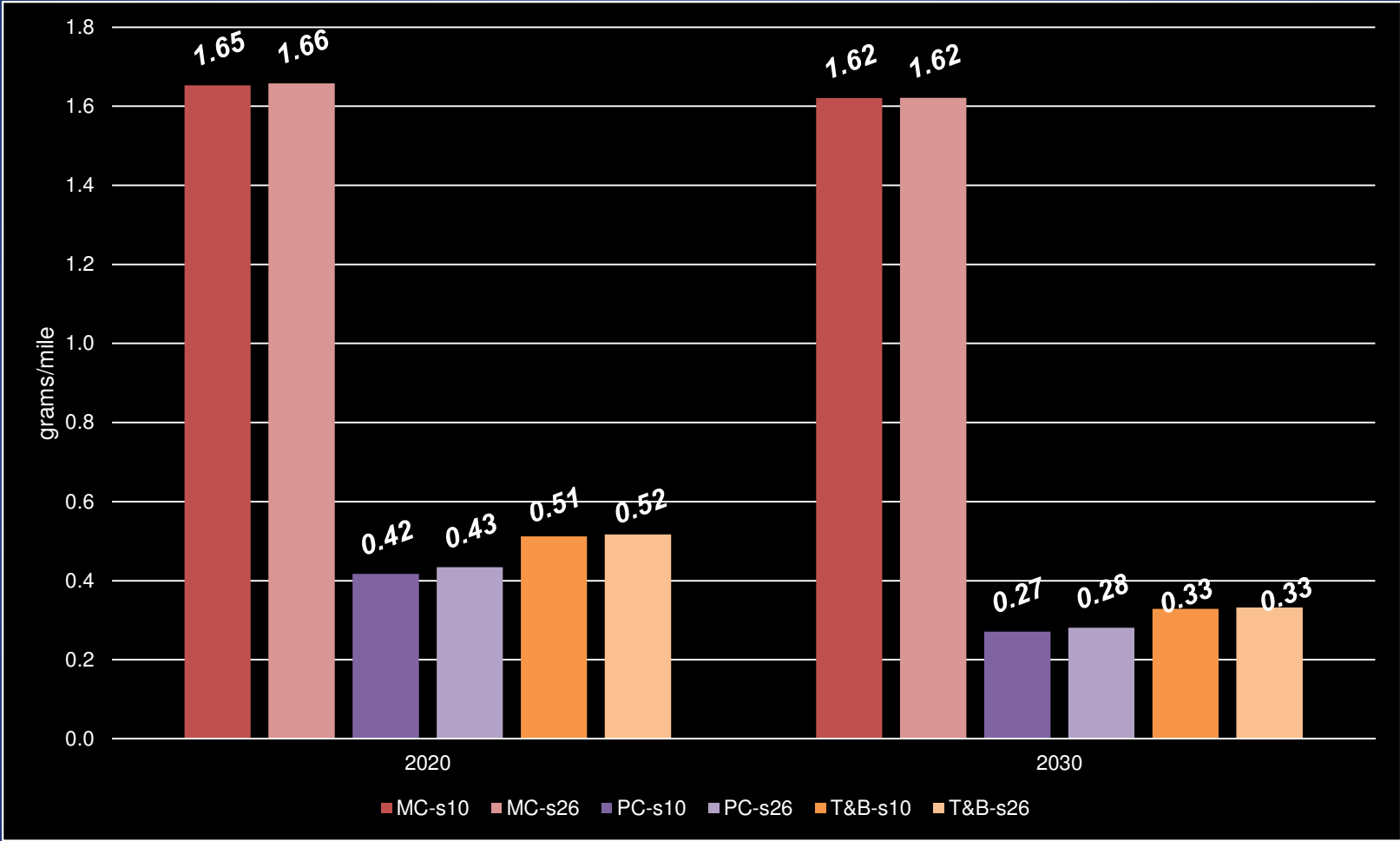
CO Vehicle Emission Rates Tier 3 Fuels vs Existing Fuel



NOx Vehicle Emission Rates Tier 3 Fuels vs Existing Fuel

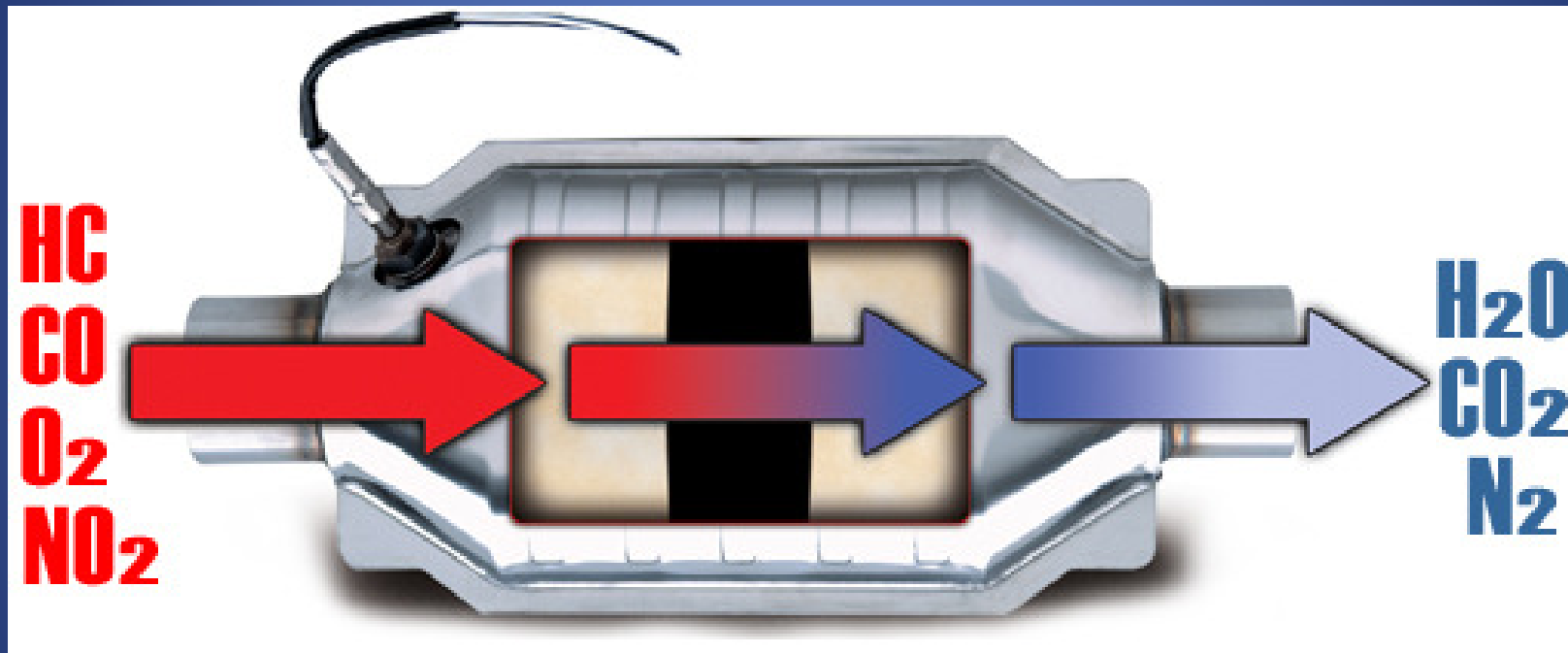


VOC Vehicle Emission Rates Tier 3 Fuels vs Existing Fuel

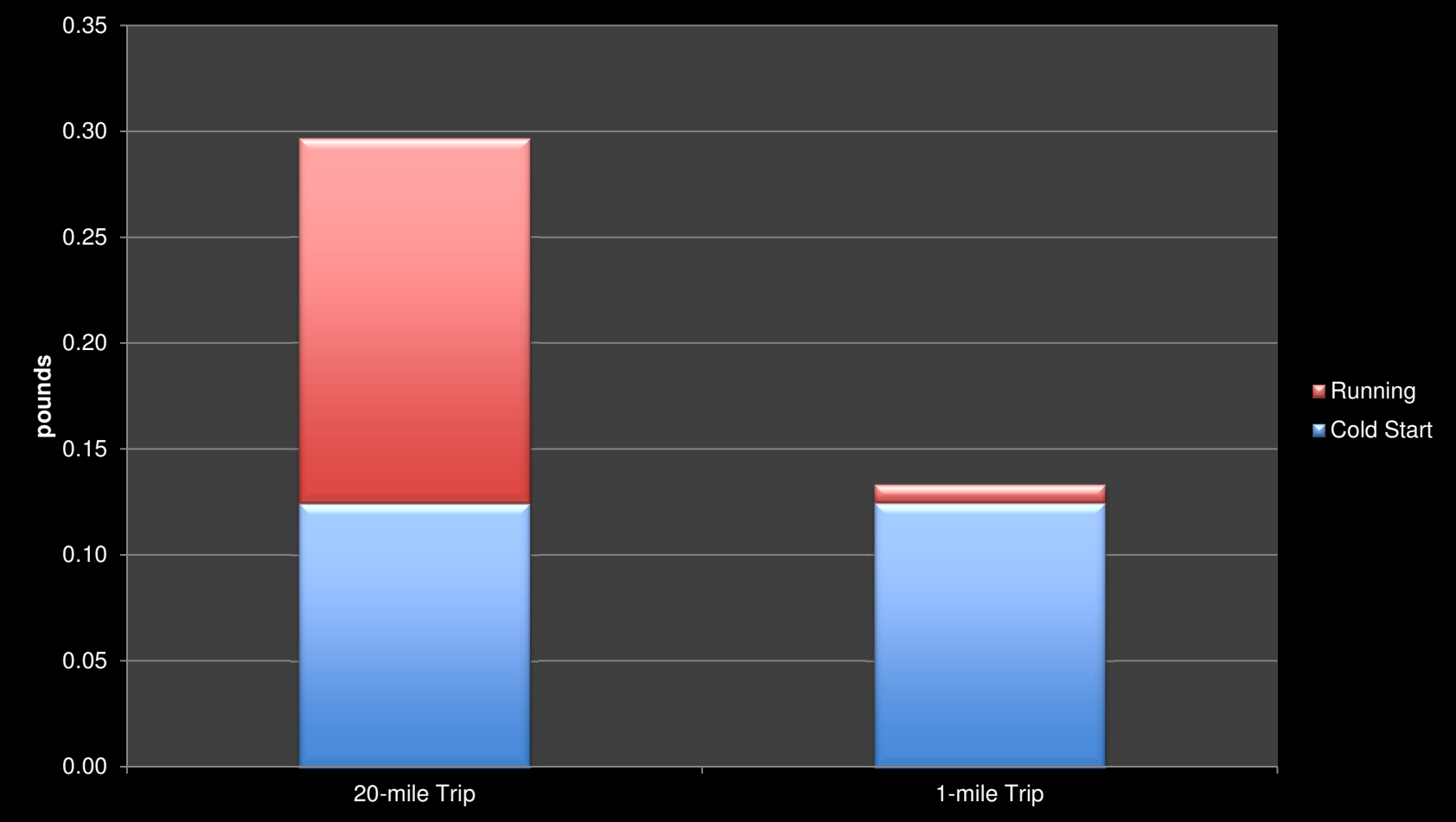


Catalytic Converter

Vehicle Emission Technology



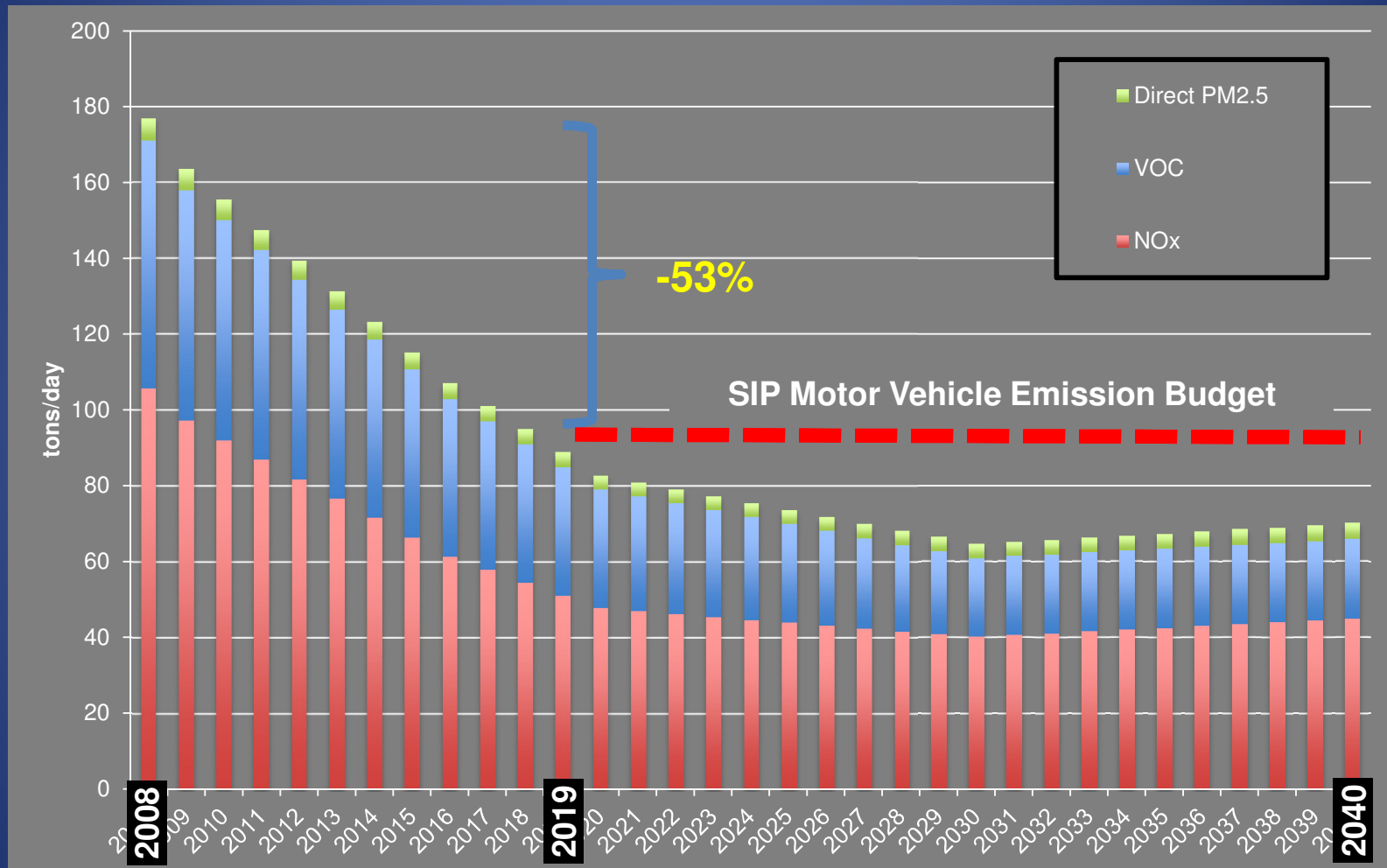
Vehicle Cold Start Emissions



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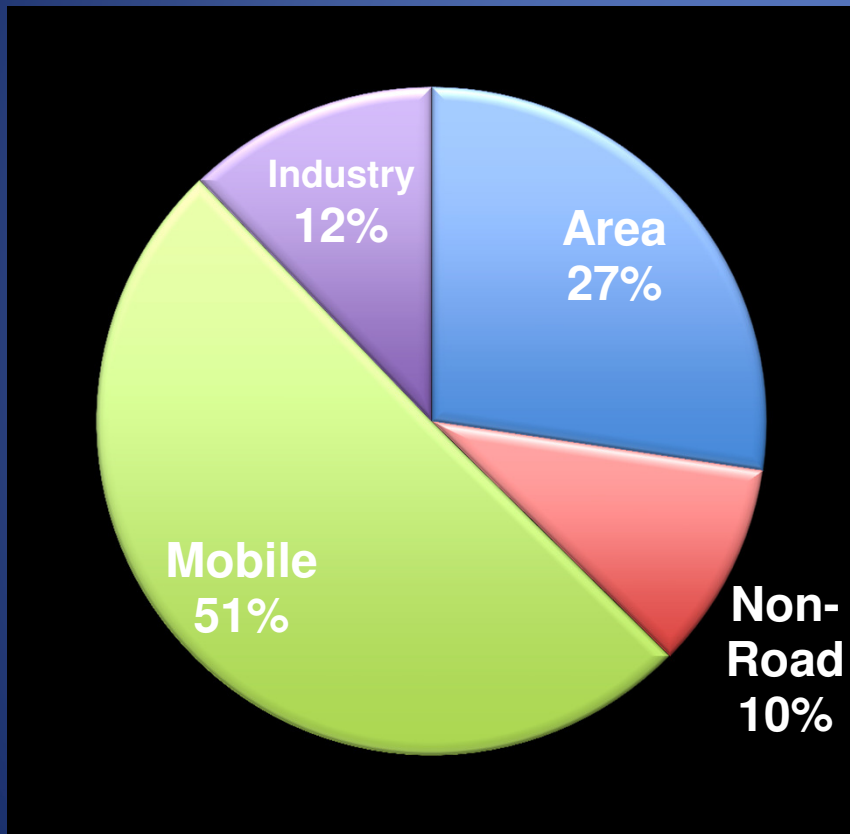
Wasatch Front Area Vehicle Emission Trends - PM2.5

Unified Transportation Plan



Where do Emissions Come From?

PM2.5 - 2010



PM2.5 – 2019

