

Truck Technology Choice Model: More Samples, Indicative Results

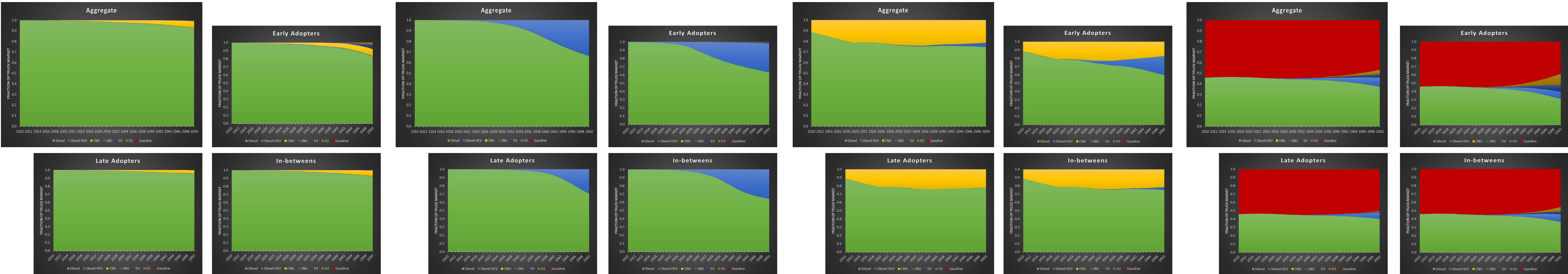
Lew Fulton, Joan Ogden, Marshall Miller, Christopher Yang, Qian Wang
Institute of Transportation Studies, UC Davis - May 2017



Figures are intended to illustrate types of results generated by the model and are very likely to change, for example, in relation to what is learned at the Truck Choice Workshop

Choice Model Sample Results

Market share by year of three risk groups and the aggregate for four truck categories. 4-year analysis, low oil price, high carbon intensity, expected carbon tax, expected green PR, low incentives



Short Haul

MD Vocational

Urban Buses

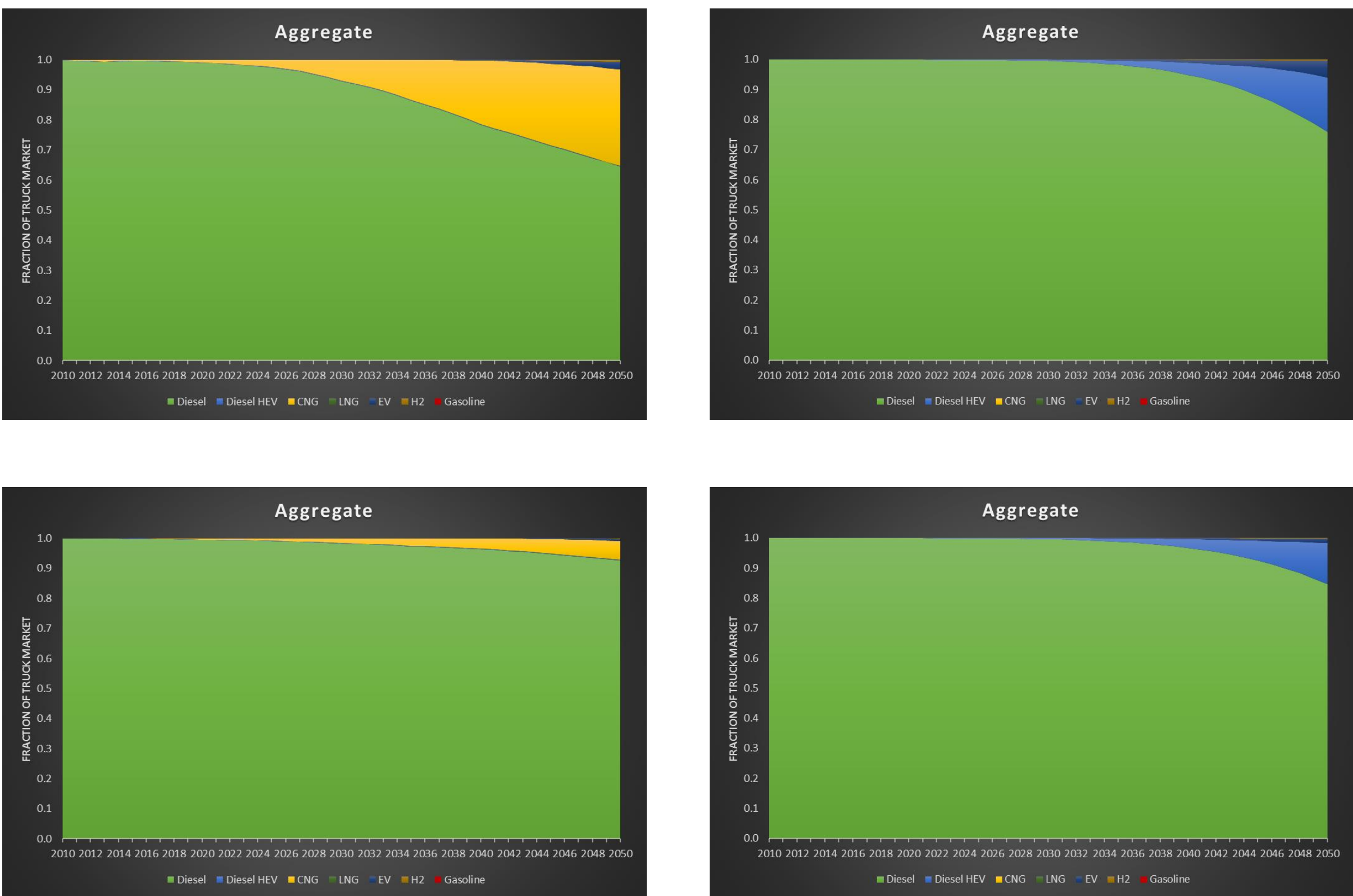
HD Pickups

Oil Price Scenarios

Aggregate market share by year of short haul trucks and other buses. Comparing low and high oil price scenarios

High oil price

Low oil price

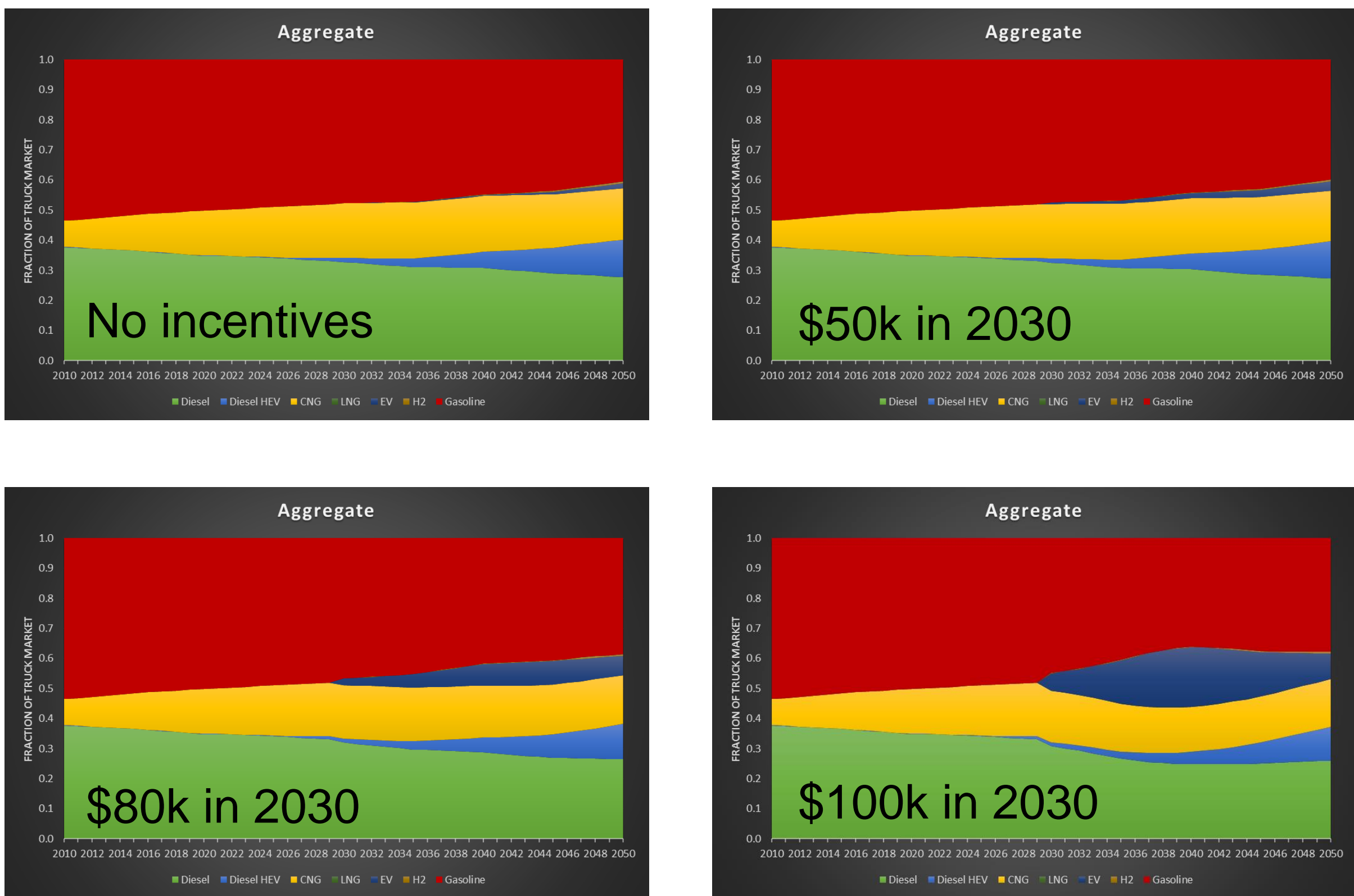


Short Haul

Other Buses

Incentive Scenarios

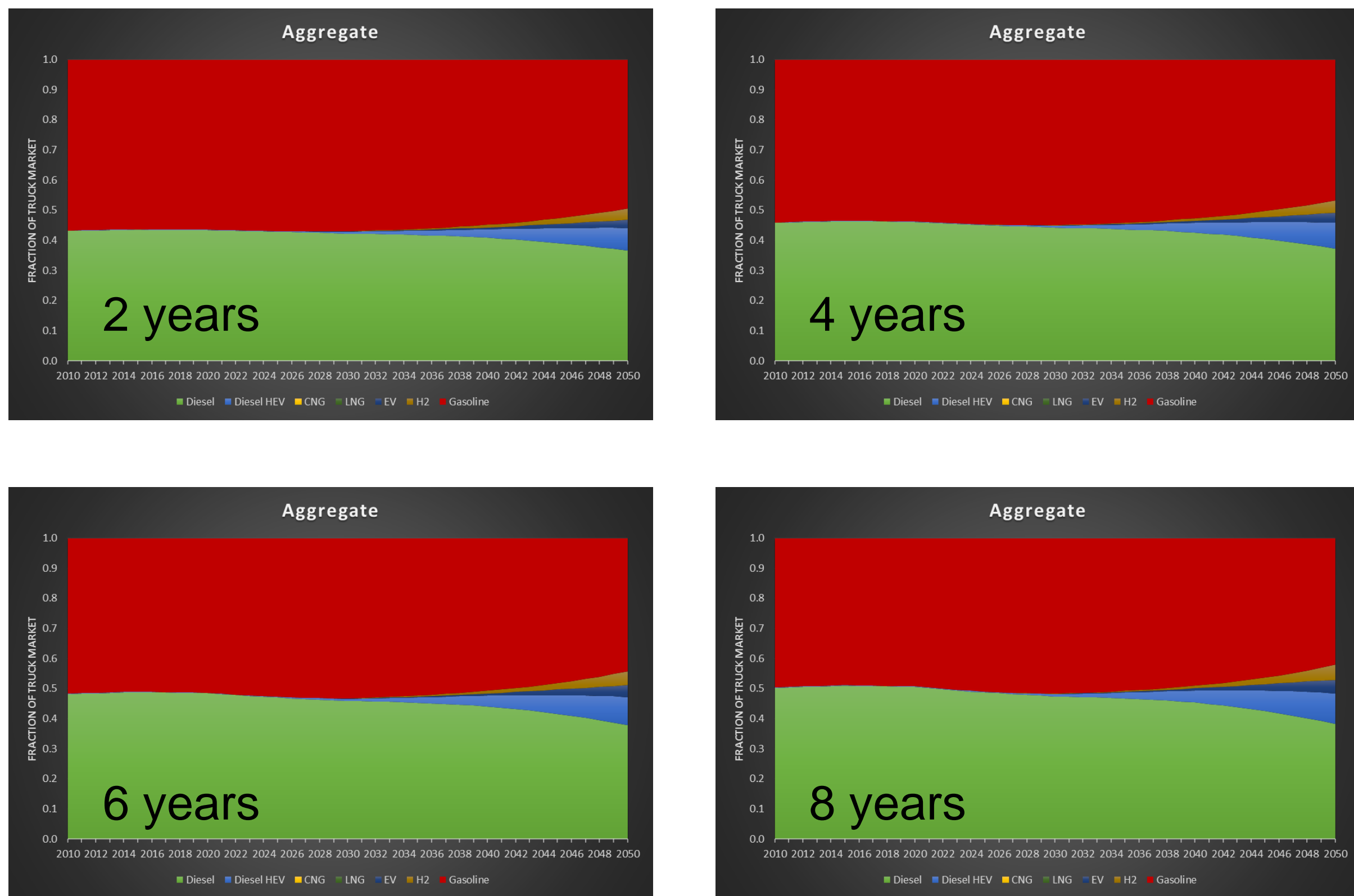
Aggregate market share by year of medium-duty urban trucks. Comparing different incentive scenarios of battery electric trucks. Incentives start in 2030 and decay linearly to zero in 2050



MD Urban

Analysis Period

Aggregate market share by year of heavy-duty pickup trucks. Comparing different analysis periods



HD Pickups