

Summary of Upstream / Downstream Emissions

Most of Fast Cars' Scope 3 Emissions are **downstream emissions**, primarily from the **use of sold products**. This is the same across the whole automotive industry.

Upstream Emissions	kt CO2	Downstream Emissions	kt CO2
Purchased goods and services	10,000	Downstream Transportation and Distribution	706
Capital Goods	1030	Processing of Sold Products	10
Fuel and Energy Related Activities	208	Use of Sold Products	120,500
Upstream Transportation and Distribution	624	End-of-Life Treatment of Sold Products	167
Waste Generated in Operations	78	Downstream Leased Assets	0
Business Travel	121	Franchises	0
Employee Commuting	200	Investments	0
Upstream Leased Assets	0		

Competitor Analysis

This is high-level research into scope 3 emissions targets set by a selection of Fast Cars competitors.

Most of these targets are addressing the 'use of products sold' downstream emission category only.

This is because it is typically the greatest proportion of total scope 3 emissions for automotive companies.

Only BMW Group (in this sample) is also addressing upstream emissions.

Company	Scope 3 Emissions Reduction Target
Nissan Motor Co., Ltd.	Reduce scope 3 GHG emissions from use of sold products 32.5% per vehicle kilometer over the same time frame
General Motors	Reduce scope 3 GHG emissions from use of sold products of light duty vehicles 51% per vehicle kilometer by 2035 from a 2018 base year
Ford Motor Company	Reduce scope 3 use of sold products GHG emissions 50% per vehicle kilometer by 2035 from a 2019 base year
BMW Group	Reduce scope 3 GHG emissions from use of sold products 40% per vehicle kilometer by 2030 from a 2019 base year. Reduce scope 3 GHG emissions from purchased goods & services and upstream transportation & distribution services 22% per vehicle sold by 2030 from a 2019 base year.
Volvo Car Group	Reduce scope 3 GHG emissions from use of sold products 52% per vehicle kilometer by 2030 from a 2019 base year

Key initiatives for Fast Cars to consider

To be in line with the industry, we recommend that Fast Cars determine a target to address scope 3 use of products sold emissions. Some initial initiatives that could address these emissions are detailed here.

Initiative	Initiative 1: Electric or Hybrid Vehicles	Initiative 2: Lighter Vehicles	Initiative 3: Actual Air Emission Data Collection
Description and rationale	This initiative has the greatest potential to reduce use of products sold, particularly if the vehicle is charged with renewable energy (zero emissions).	The heavier the vehicle the more fuel it uses. By investing in newer and better materials and material research and development, Fast Cars could develop lighter vehicles that use less fuel per kilometre.	Fitting cars with air emissions monitors that feed into the car information systems and tell the customer when their car may need a service or upgrade based on emissions.