



December 16, 2019

Administrator
National Highway Traffic Safety Administration – NOA-010
1200 New Jersey Avenue, S.E.
Washington, DC 20590

Re: 2020 Pre-Model Year CAFE Report – Import Passenger Car

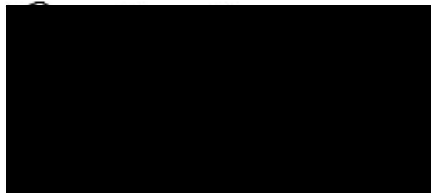
Dear Administrator:

As required by 49 CFR 537.7, FCA US LLC hereby submits its 2020 Pre-Model Year CAFE Report for Import Passenger Cars as manufacturer of Alfa Romeo, Fiat, Jeep, Maserati, and Ram branded vehicles. This report is submitted on behalf of FCA US LLC and Maserati North America.

This report shows FCA US LLC 2020 pre-model year average fuel economy for import passenger cars to be 35.5 mpg, which does not comply with the reformed standard of 45.4 mpg. Purchased credits, if available for acquisition, will be used to make up the projected shortfall of 9,500,931 credits.

This report includes fuel economy data for certification vehicles, for vehicles tested for running changes approved under 40 CFR 86.079-32, 86.079-33, 86.082-34 and voluntary fuel economy data submitted under 40 CFR 600.509-12.

Sincerely,



Attachments

cc: National Highway Traffic Safety Administration

FCA US LLC
CIMS 482-00-81
800 Chrysler Drive, Auburn Hills, MI 48326



FCA US LLC – Projected Average Fuel Economy

2020 Model Year

Import Passenger Car

Current Combined Projected Average Fuel Economy

35.5 mpg

At this point in time and based on available best present information, the above projection represents FCA US LLC's fuel economy for the 2020 model year for the Act. Calculations were performed in accordance with the procedures defined in 40 CFR 600.510-12. As required by S537.9, estimated fuel economy values are included in this report. Fuel economy improvement due to off-cycle and A/C Efficiency, as required by S537.7, are also included in this report. These estimated values are for those running changes that have been submitted to the EPA and are currently involved in the running change approval process. These values were obtained from fuel economy data vehicles which were tested in accordance with applicable exhaust emission test procedures and comply with 2020 exhaust emission standards as defined in 40 CFR Part 86. All mileage was accumulated on the durability driving cycle.

FCA US LLC
CIMS 482-00-81
800 Chrysler Drive, Auburn Hills, MI 48326

**FCA US LLC/Maserati North America
Model Type Fuel Economy Data
Import Passenger Car
2020 Model Year**

Avg Inertial Weight	Car Line Name	Engine	Transmission Class	Projected Sales	Combined MPG	Footprint
2750	124 Spider	1.4L I-4	Rwd Manual 6 OD	1113	40.2141	37.3
2750	124 Spider	1.4L I-4	Rwd Auto 6 OD L/U	1988	39.5901	37.3
2750	4C	1.8L I-4	Rwd Cont Var OD	199	34.4702	41.1
3500	500L	1.4L I-4	Fwd Auto 6 OD L/U	646	33.1552	42.5
3500	500L	1.4L I-4	Fwd Auto 6 OD L/U	163	33.1552	42.5
4000	Giulia	2.9L V-6	Rwd Auto 8 OD L/U	1120	26.4556	47.6
4000	Giulia	2.0L I-4	Rwd Auto 8 OD L/U	2490	36.1059	48.4
4000	Giulia	2.0L I-4	Rwd Auto 8 OD L/U	4370	36.1059	48.3
4000	Giulia AWD	2.0L I-4	4wd Auto 8 OD L/U	2376	34.0350	48.4
4000	Giulia AWD	2.0L I-4	4wd Auto 8 OD L/U	546	34.0350	48.4
4000	Giulia AWD	2.0L I-4	4wd Auto 8 OD L/U	3098	34.0350	48.3
3500	Promaster City	2.4L I-4	Fwd Auto 9 OD L/U	1895	31.4586	51.1
3500	Renegade 4x2	2.4L I-4	Fwd Auto 9 OD L/U	21415	33.0335	42.9
3500	Renegade 4x2	2.4L I-4	Fwd Auto 9 OD L/U	1751	33.0335	43.0
3500	Renegade 4x2	1.3L I-4	Fwd Auto 9 OD L/U	20433	36.1475	42.5
3500	Renegade 4x2	1.3L I-4	Fwd Auto 9 OD L/U	21842	36.1475	42.9
3500	Renegade 4x2	1.3L I-4	Fwd Auto 9 OD L/U	1222	36.1475	43.0
3500	Renegade 4x2	1.3L I-4	Fwd Auto 9 OD L/U	3078	36.1475	42.6
4000	Stelvio	2.0L I-4	Rwd Auto 8 OD L/U	2003	33.7761	49.5
4750	Quattroporte GTS	3.8L V8 523HP 8 gear AT RWD		39	22.1052	56.0
5000	Quattroporte S Q4	3.0L V6 424HP 8 gear AT AWD		671	23.6588	56.0
4750	Quattroporte S	3.0L V6 424HP 8 gear AT RWD		325	25.0783	56.0
4750	Gh bli S Q4	3.0L V6 424HP 8 gear AT AWD		1488	24.1704	53.1
4750	Gh bli S	3.0L V6 424HP 8 gear AT RWD		516	25.0783	53.1
4750	Gh bli	3.0L V6 345HP 8 gear AT RWD		1182	25.0783	53.1

Total Projected Domestic Sales	95,969
Average Fuel Economy	34.3
FFV Credit	0.0
TPA Adjustment	0.2
Final Fuel Economy Result	34.5
Final Fuel Economy Result with AC Efficiency and Off-Cycle Improvement	35.5
Reformed Fuel Economy Standard	45.4
Credits	(9,500,931)

Car Line Name	Engine	Transmission Class	Projected Sales	High Efficiency Exterior Lights (g/mi)	Engine Stop Start (g/mi)	Active Engine Warm Up (g/mi)	Active Transmission Warm Up (g/mi)	High Efficiency Alternator (g/mi)	Solar Thermal					Total Off Cycle Credits (g/mi)	VMT	Off Cycle Credits Total Mg
									Glass (g/mi)	Paint (g/mi)	Ventilated Seats (g/mi)	Passive Cabin Ventilation (g/mi)	Solar Thermal Total			
124 Spider	1.4L I-4	Rwd Manual 6 OD	1113	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.5	0.5	195264	109
124 Spider	1.4L I-4	Rwd Auto 6 OD L/U	1988	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.5	0.5	195264	194
4C	1.8L I-4	Rwd Cont Var OD	199	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.3	195264	12
500L	1.4L I-4	Fwd Auto 6 OD L/U	646	0.1	0.0	1.5	0.0	0.0	0.1	0.0	0.1	0.0	0.2	1.8	195264	227
500L	1.4L I-4	Fwd Auto 6 OD L/U	163	0.1	0.0	1.5	0.0	0.0	1.0	0.0	0.1	0.0	1.1	2.7	195264	86
Giulia	2.9L V-6	Rwd Auto 8 OD L/U	1120	0.2	1.5	0.0	0.0	0.6	0.3	0.0	0.1	0.0	0.4	2.7	195264	590
Giulia	2.0L I-4	Rwd Auto 8 OD L/U	2490	0.2	1.5	1.5	0.0	0.6	0.3	0.0	0.1	0.0	0.4	4.2	195264	2042
Giulia	2.0L I-4	Rwd Auto 8 OD L/U	4370	0.2	1.5	1.5	0.0	0.6	0.3	0.0	0.1	0.0	0.4	4.2	195264	3584
Giulia AWD	2.0L I-4	4wd Auto 8 OD L/U	2376	0.2	1.5	1.5	0.0	0.6	0.3	0.0	0.1	0.0	0.4	4.2	195264	1949
Giulia AWD	2.0L I-4	4wd Auto 8 OD L/U	546	0.2	1.5	1.5	0.0	0.6	0.3	0.0	0.1	0.0	0.4	4.2	195264	448
Giulia AWD	2.0L I-4	4wd Auto 8 OD L/U	3098	0.2	1.5	1.5	0.0	0.6	0.3	0.0	0.1	0.0	0.4	4.2	195264	2541
Promaster City	2.4L I-4	Fwd Auto 9 OD L/U	1895	0.1	0.0	0.0	0.0	0.4	1.7	0.0	0.0	0.0	1.7	2.2	195264	814
Renegade 4x2	2.4L I-4	Fwd Auto 9 OD L/U	21415	0.0	0.0	0.0	0.0	0.7	1.0	0.0	0.0	1.7	2.7	3.4	195264	14217
Renegade 4x2	2.4L I-4	Fwd Auto 9 OD L/U	1751	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.1	1.7	1.9	2.6	195264	889
Renegade 4x2	1.3L I-4	Fwd Auto 9 OD L/U	20433	0.0	0.0	1.5	0.0	0.4	1.0	0.0	0.1	1.7	2.8	4.7	195264	18752
Renegade 4x2	1.3L I-4	Fwd Auto 9 OD L/U	21842	0.0	0.0	1.5	0.0	0.4	0.1	0.0	0.1	1.7	1.9	3.8	195264	16207
Renegade 4x2	1.3L I-4	Fwd Auto 9 OD L/U	1222	0.0	0.0	1.5	0.0	0.4	1.0	0.0	0.1	1.7	2.8	4.7	195264	1121
Renegade 4x2	1.3L I-4	Fwd Auto 9 OD L/U	3078	0.0	0.0	1.5	0.0	0.4	0.1	0.0	0.1	1.7	1.9	3.8	195264	2284
Stelvio	2.0L I-4	Rwd Auto 8 OD L/U	2003	0.2	0.0	0.0	2.9	0.7	0.0	0.0	0.0	0.0	0.0	3.8	195264	1486
Quattroporte GTS	3.8L V8 523HP	8 gear AT RWD	39	0.0	1.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.5	2.5	195264	19
Quattroporte S Q4	3.0L V6 424HP	8 gear AT AWD	671	0.0	1.5	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.2	2.2	195264	283
Quattroporte S	3.0L V6 424HP	8 gear AT RWD	325	0.0	1.5	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.2	2.2	195264	140
Ghibi S Q4	3.0L V6 424HP	8 gear AT AWD	1488	0.0	1.5	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.1	2.2	195264	625
Ghibi S	3.0L V6 424HP	8 gear AT RWD	516	0.0	1.5	0.0	0.0	0.5	0.0	0.0	0.2	0.0	0.2	2.2	195264	220
Ghibi	3.0L V6 345HP	8 gear AT RWD	1182	0.0	1.5	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.1	2.1	195264	482
			95,969												Total	69,321

Revised MPG due to A/C Efficiency and Off-Cycle

A/C Efficiency Credits	64,521		
Off-Cycle Credits	69,321		
FCIV _{AC}	0.000387430	gal/mi	
FCIV _{OC}	0.000416252	gal/mi	

MPG before improvement 34.5

MPG after improvement 35.5

MPG improvement difference 1.0