



July 31, 2018

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

Re: 2018 Mid-Model Year CAFE Report – Import Passenger Car

Dear Mr. Hicks:

As required by 49 CFR 537.7, FCA US LLC hereby submits its 2018 Mid-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's 2018 mid-model year average fuel economy for import passenger cars to be 32.7 mpg, which is not in compliance with the reformed standard of 41.2 mpg. Traded credits, if available for acquisition, will be used to make up the projected shortfall of 5,141,650 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,

Jeremy Hamer
CAFE/GHG Compliance Analyst
Vehicle Safety and Regulatory Compliance



FCA US LLC – Projected Average Fuel Economy

2018 Model Year

Import Passenger Car

Current Combined Projected Average Fuel Economy

32.7 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 2018 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 2018 exhaust emission standards as defined in 40 CFR Part 86. All mileage was accumulated on the durability driving cycle.

FCA US LLC
Model Type Fuel Economy Data
Import Passenger Vehicle
2018 Model Year

Average Inertial Weight	Car Line	Engine	Transmission Class	Projected Volume	Combined MPG	Footprint
2750	124 Spider	1.4L I-4 Turbo	Rwd Auto 6 OD L/U	1106	39.5901	37.3
2750	124 Spider	1.4L I-4 Turbo	Rwd Manual 6 OD	559	40.2141	37.3
2750	4C	1.8L I-4 Turbo	Rwd Cont Var OD	215	34.4702	41.1
3500	500L	1.4L I-4 Turbo	Fwd Auto 6 OD L/U	1234	33.1552	42.5
3000	500X	1.4L I-4 Turbo	Fwd Manual 6 OD	109	37.5290	42.9
3500	500X	2.4L I-4	Fwd Auto 9 OD L/U	3036	33.2940	42.9
4000	Giulia	2.0L I-4 Turbo	Rwd Auto 8 OD L/U	2154	36.1059	48.4
4000	Giulia	2.0L I-4 Turbo	Rwd Auto 8 OD L/U	1902	36.1059	48.3
4000	Giulia	2.9L V-6 Turbo	Rwd Auto 8 OD L/U	1220	25.6124	47.6
4000	Giulia AWD	2.0L I-4 Turbo	4wd Auto 8 OD L/U	1383	34.0350	48.3
4000	Giulia AWD	2.0L I-4 Turbo	4wd Auto 8 OD L/U	1431	34.0350	48.4
3500	ProMaster City	2.4L I-4	Fwd Auto 9 OD L/U	3768	32.8948	51.1
3500	Renegade 4X2	1.4L I-4 Turbo	Fwd Manual 6 OD	731	35.3856	42.9
3500	Renegade 4X2	1.4L I-4 Turbo	Fwd Manual 6 OD	422	35.3856	42.8
3500	Renegade 4X2	2.4L I-4	Fwd Auto 9 OD L/U	8343	32.8948	42.9
3500	Renegade 4X2	2.4L I-4	Fwd Auto 9 OD L/U	1149	32.8948	43.0
3500	Renegade 4X2	2.4L I-4 FFV	Fwd Auto 9 OD L/U	22448	33.0335	42.9
3500	Renegade 4X2	2.4L I-4 FFV	Fwd Auto 9 OD L/U	1244	33.0335	43.0
4750	Ghibli RWD	3.0L V6	A8	2042	25.0783	53.1
4750	Ghibli S Q4 AWD	3.0L V6	A8	1944	24.1704	53.1
4750	Ghibli S RWD	3.0L V6	A8	806	24.4217	53.1
4750	Granturismo Convertible	4.7L V8	A6	1053	19.6641	50.3
4500	Granturismo Coupe	4.7L V8	A6	841	19.7948	50.3
4750	Quattroporte GTS RWD	3.8L V8	A8	80	22.0230	56.0
5000	Quattroporte S Q4 AWD	3.0L V6	A8	783	23.6588	56.0
4750	Quattroporte S RWD	3.0L V6	A8	487	23.7396	56.0

Total Projected Domestic Sales	60,490
Average Fuel Economy	31.5
FFV Credit	0.4
TPA Adjustment	0.2
Final Fuel Economy Result	32.1
Final Fuel Economy Result with AC Efficiency and Off-Cycle Improvement	32.7
Reformed Fuel Economy Standard	41.2
Credits	(5,141,650)

Off-Cycle Credits

Car Line Name	Engine	Transmission	Projected Volume	High Efficiency Exterior Lights (g/mi)	Engine Stop Start (g/mi)	Active Engine Warm Up (g/mi)	Active Transmission Warm Up (g/mi)	Active Aero (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 Turbo	Rwd Auto 6 OD L/U	1106	0.2	0.0	0.0	0.0	0.0	0.5	0.1	0.0	1.7	2.3	2.5	195264	540
124 Spider	1.4L I-4 Turbo	Rwd Manual 6 OD	559	0.2	0.0	0.0	0.0	0.0	0.5	0.1	0.0	1.7	2.3	2.5	195264	273
4C	1.8L I-4 Turbo	Rwd Cont Var OD	215	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.3	195264	13
500L	1.4L I-4 Turbo	Fwd Auto 6 OD L/U	1234	0.0	0.0	1.5	0.0	0.0	0.8	0.1	0.0	0.0	0.9	2.4	195264	578
500X	1.4L I-4 Turbo	Fwd Manual 6 OD	109	0.0	0.0	1.5	0.0	0.0	0.0	0.1	0.0	0.0	0.1	1.6	195264	34
500X	2.4L I-4	Fwd Auto 9 OD L/U	3036	0.0	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	1.0	1.0	195264	593
Giulia	2.0L I-4 Turbo	Rwd Auto 8 OD L/U	2154	0.0	1.5	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	1.8	195264	757
Giulia	2.0L I-4 Turbo	Rwd Auto 8 OD L/U	1902	0.0	1.5	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	1.8	195264	669
Giulia	2.9L V-6 Turbo	Rwd Auto 8 OD L/U	1220	0.0	1.5	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	1.8	195264	429
Giulia AWD	2.0L I-4 Turbo	4wd Auto 8 OD L/U	1383	0.0	1.5	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	1.8	195264	486
Giulia AWD	2.0L I-4 Turbo	4wd Auto 8 OD L/U	1431	0.0	1.5	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.3	1.8	195264	503
ProMaster City	2.4L I-4	Fwd Auto 9 OD L/U	3768	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	1.7	1.7	195264	1251
Renegade 4X2	1.4L I-4 Turbo	Fwd Manual 6 OD	731	0.0	0.0	1.5	0.0	0.0	0.1	0.1	0.0	0.0	0.2	1.7	195264	243
Renegade 4X2	1.4L I-4 Turbo	Fwd Manual 6 OD	422	0.0	0.0	1.5	0.0	0.0	0.1	0.1	0.0	0.0	0.2	1.7	195264	140
Renegade 4X2	2.4L I-4	Fwd Auto 9 OD L/U	8343	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	195264	326
Renegade 4X2	2.4L I-4	Fwd Auto 9 OD L/U	1149	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	195264	45
Renegade 4X2	2.4L I-4 FFV	Fwd Auto 9 OD L/U	22448	0.0	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	1.1	1.1	195264	4822
Renegade 4X2	2.4L I-4 FFV	Fwd Auto 9 OD L/U	1244	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	195264	49
Ghibli RWD	3.0L V6	A8	2042	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	195264	598
Ghibli S Q4 AWD	3.0L V6	A8	1944	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	195264	569
Ghibli S RWD	3.0L V6	A8	806	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	195264	236
Quattroporte GTS RWD	3.8L V8	A8	80	0.0	1.5	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	2.4	195264	37
Quattroporte S Q4 AWD	3.0L V6	A8	783	0.0	1.5	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	2.4	195264	367
Quattroporte S RWD	3.0L V6	A8	487	0.0	1.5	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	2.4	195264	228
			60,490												Total	13,785

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

A/C Efficiency Credits	43,054	
Off-Cycle Credits	13,785	
FCIV _{AC}	0.000410159	gal/mi
FCIV _{OC}	0.000131325	gal/mi

MPG before improvement 32.1

MPG after improvement 32.7

MPG improvement difference 0.6