



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 - Domestic Passenger Automobiles

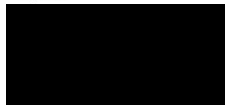
Dear Administrator:

As required by 49 CFR 537.7, FCA US LLC hereby submits its 2020 Pre-Model Year CAFE Report for Domestic Passenger Automobiles as manufacturer of Chrysler, Dodge, Fiat, and Jeep branded vehicles.

This report shows FCA US LLC 2020 pre-model year average fuel economy for domestically produced passenger automobiles to be 30.1 mpg, which does not comply with the reformed standard of 40.4 mpg. FCA US LLC CAFE does not meet the domestic minimum passenger automobile standard of 40.9 mpg. Either a compliance payment or the use of future earned carryback domestic passenger car CAFE credits will be used to make up the shortfall to the domestic minimum standard, as per 49 CFR 536.9(e).

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
CMS 482-00-01
650 Chrysler Drive, Auburn Hills, MI 48326



FCA US LLC – Projected Average Fuel Economy

2020 Model Year

Domestic Passenger Automobile

Current Combined Projected Average Fuel Economy

30.1 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
CMS 482-00-01
650 Chrysler Drive, Auburn Hills, MI 48326

FCA US LLC
Model Type Fuel Economy Data
Domestic Passenger Car
2020 Model Year

Avg Inertial Weight	Carline	Engine	Transmission Class	Projected Sales	Combined MPG	Footprint
4000	300	3.6L V-6	Rwd Auto 8 OD L/U	18941	29.8923	53.6
4500	300	5.7L V-8	Rwd Auto 8 OD L/U	322	24.6535	53.6
4500	300 AWD	3.6L V-6	4wd Auto 8 OD L/U	3103	27.9923	52.6
4000	Challenger	3.6L V-6	Rwd Auto 8 OD L/U	18632	29.8923	51.6
4500	Challenger	5.7L V-8	Rwd Auto 8 OD L/U	7783	24.6535	51.6
4500	Challenger	6.4L V-8	Rwd Auto 8 OD L/U	1224	22.8164	52.0
4500	Challenger	6.4L V-8	Rwd Auto 8 OD L/U	1270	22.8164	51.5
4500	Challenger	6.4L V-8	Rwd Manual 6 OD	1220	21.6811	52.0
4500	Challenger	6.4L V-8	Rwd Manual 6 OD	1028	21.6811	51.5
4500	Challenger AWD	3.6L V-6	4wd Auto 8 OD L/U	6168	27.9923	51.6
4500	Challenger Widebody	6.4L V-8	Rwd Manual 6 OD	1008	21.6811	52.0
4500	Challenger Widebody	6.4L V-8	Rwd Auto 8 OD L/U	1521	22.8164	52.0
4500	Challenger SRT	6.2L V-8	Rwd Auto 8 OD L/U	1035	20.0858	52.0
4500	Challenger SRT	6.2L V-8	Rwd Manual 6 OD	200	19.7548	52.0
4500	Challenger SRT Wide	6.2L V-8	Rwd Manual 6 OD	150	19.7548	53.2
4500	Challenger SRT Wide	6.2L V-8	Rwd Auto 8 OD L/U	2101	19.0919	53.2
4000	Charger	3.6L V-6	Rwd Auto 8 OD L/U	37154	29.8923	53.6
4000	Charger Widebody	6.4L V-8	Rwd Auto 8 OD L/U	5480	22.8164	53.8
4500	Charger	5.7L V-8	Rwd Auto 8 OD L/U	8369	24.6535	53.6
4500	Charger	6.4L V-8	Rwd Auto 8 OD L/U	2196	22.8164	53.3
4500	Charger	6.4L V-8	Rwd Auto 8 OD L/U	6187	22.8164	53.8
4500	Charger AWD	3.6L V-6	4wd Auto 8 OD L/U	7290	27.9923	52.6
4500	Charger SRT	6.2L V-8	Rwd Auto 8 OD L/U	2800	19.1318	53.8
4000	Cherokee FWD	2.0L I-4	Fwd Auto 9 OD L/U	206	34.3883	45.9
4000	Cherokee FWD	2.4L I-4	Fwd Auto 9 OD L/U	48037	33.5096	45.9
4000	Cherokee FWD	3.2L V-6	Fwd Auto 9 OD L/U	826	30.2435	45.9
3500	Compass 4X2	2.4L I-4	Fwd Auto 6 OD L/U	23837	33.8041	43.7
3500	Compass 4X2	2.4L I-4	Fwd Manual 6 OD	2016	34.9126	43.7

Total Projected Domestic Sales 210,104

Average Fuel Economy 29.0

FFV Credit 0.0

TPA Adjustment 0.2

Final Fuel Economy Result 29.2

Final Fuel Economy Result with AC Efficiency and Off-Cycle Improvement 30.1

Domestic Minimum Fuel Economy Standard 40.9

Reformed Fuel Economy Standard 40.4

Credits (22,691,232)

Car Line Name	Engine	Transmission Class	Projected Sales	LED Exterior Lights Credits (g/mi)	Active Aero Credits (g/mi)	ESS with HCS Credits (g/mi)	ESS w/o HCS Credits (g/mi)	TOH Credits (g/mi)	EOH Credits (g/mi)	High Efficiency Alternator (g/mi)	Solar Thermal				Total Solar Thermal Control Credits (g/mi)	Total Off-Cycle Credits (g/mi)	Off-Cycle Credits Mg
											Glass Credits (g/mi)	Paint Credits (g/mi)	Ventilated Seats (g/mi)	Passive Cabin Ventilation (g/mi)			
300	3.6L V-6	Rwd Auto 8 OD L/U	18941	0.2	0.0	0.0	0.0	0.0	1.5	0.6	0.4	0.1	0.2	1.7	2.4	4.7	17383
300	5.7L V-8	Rwd Auto 8 OD L/U	322	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.1	0.2	1.7	2.4	3.2	201
300 AWD	3.6L V-6	4wd Auto 8 OD L/U	3103	0.2	0.0	0.0	0.0	0.0	1.5	0.4	0.4	0.1	0.2	1.7	2.4	4.5	2727
Challenger	3.6L V-6	Rwd Auto 8 OD L/U	18632	0.3	0.0	0.0	0.0	0.0	1.5	0.4	0.3	0.1	0.3	1.7	2.38	4.6	16663
Challenger	5.7L V-8	Rwd Auto 8 OD L/U	7783	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.3	1.7	2.38	3.1	4681
Challenger	6.4L V-8	Rwd Auto 8 OD L/U	1224	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	712
Challenger	6.4L V-8	Rwd Auto 8 OD L/U	1270	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	739
Challenger	6.4L V-8	Rwd Manual 6 OD	1220	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	710
Challenger	6.4L V-8	Rwd Manual 6 OD	1028	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	598
Challenger AWD	3.6L V-6	4wd Auto 8 OD L/U	6168	0.3	0.0	0.0	0.0	0.0	1.5	0.4	0.3	0.1	0.3	1.7	2.38	4.6	5516
Challenger Widebody	6.4L V-8	Rwd Manual 6 OD	1008	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	587
Challenger Widebody	6.4L V-8	Rwd Auto 8 OD L/U	1521	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	885
Challenger SRT	6.2L V-8	Rwd Auto 8 OD L/U	1035	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	602
Challenger SRT	6.2L V-8	Rwd Manual 6 OD	200	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	116
Challenger SRT Widebody	6.2L V-8	Rwd Manual 6 OD	150	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	87
Challenger SRT Widebody	6.2L V-8	Rwd Auto 8 OD L/U	2101	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.3	1.7	2.38	3.0	1223
Charger	3.6L V-6	Rwd Auto 8 OD L/U	37154	0.3	0.0	0.0	0.0	0.0	1.5	0.4	0.4	0.1	0.3	1.7	2.5	4.7	34098
Charger Widebody	6.4L V-8	Rwd Auto 8 OD L/U	5480	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.1	0.3	1.7	2.5	3.1	3296
Charger	5.7L V-8	Rwd Auto 8 OD L/U	8369	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.4	0.1	0.3	1.7	2.5	3.4	5556
Charger	6.4L V-8	Rwd Auto 8 OD L/U	2196	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.1	0.3	1.7	2.5	3.1	1329
Charger	6.4L V-8	Rwd Auto 8 OD L/U	6187	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.1	0.3	1.7	2.5	3.1	3721
Charger AWD	3.6L V-6	4wd Auto 8 OD L/U	7290	0.3	0.0	0.0	0.0	0.0	1.5	0.6	0.4	0.1	0.3	1.7	2.5	4.9	6975
Charger SRT	6.2L V-8	Rwd Auto 8 OD L/U	2800	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.1	0.3	1.7	2.5	3.1	1695
Cherokee FWD	2.0L I-4	Fwd Auto 9 OD L/U	206	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.1	0.0	1.7	3.2	3.4	137
Cherokee FWD	2.4L I-4	Fwd Auto 9 OD L/U	48037	0.2	0.5	0.0	0.0	0.0	0.0	0.4	1.4	0.1	0.0	1.7	3.2	4.3	40334
Cherokee FWD	3.2L V-6	Fwd Auto 9 OD L/U	826	0.2	0.0	2.5	0.0	0.0	1.5	0.4	1.4	0.1	0.0	1.7	3.2	7.8	1258
Compass 4X2	2.4L I-4	Fwd Auto 6 OD L/U	23837	0.0	0.0	2.5	0.0	0.0	0.0	0.7	1.1	0.1	0.0	1.7	2.9	6.1	28392
Compass 4X2	2.4L I-4	Fwd Manual 6 OD	2016	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.1	0.1	0.0	1.7	2.9	3.6	1417
			210,104													Total	181,638

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

A/C Efficiency Credits	200,686	
Off-Cycle Credits	181,638	
FCIV _{Ac}	0.000550434	gal/mi
FCIV _{oc}	0.000498190	gal/mi

MPG before improvement 29.2

MPG after improvement 30.1

MPG improvement difference 0.9