



December 20, 2017

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

Re: 2018 Pre-Model Year CAFE Report - Domestic Passenger Automobiles

Dear Administrator:

As required by 49 CFR 537.7, FCA US LLC hereby submits its 2018 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 2018 pre-model year average fuel economy for domestically produced passenger automobiles to be 30.4 mpg, which does not comply with the reformed standard of 37.5 mpg. FCA US LLC CAFE does not meet the domestic minimum passenger automobile standard of 38.0 mpg. Either civil penalties 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,

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

Attachments
cc: National Highway Traffic Safety Administration



FCA US LLC – Projected Average Fuel Economy

2018 Model Year

Domestic Passenger Automobile

Current Combined Projected Average Fuel Economy

30.4 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 2017 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
Domestic Passenger Car
2018 Model Year

Avg Inertial Weight	Car Line Name	Engine	Transmission Class	Projected Sales	Combined MPG	Footprint
4500	300	5.7L V-8	Rwd Auto 8 OD L/U	2477	24.6535	53.6
4000	300	3.6L V-6 (FFV)	Rwd Auto 8 OD L/U	108	29.8923	53.6
4000	300	3.6L V-6	Rwd Auto 8 OD L/U	25819	29.8923	53.6
4500	300 AWD	3.6L V-6 (FFV)	4wd Auto 8 OD L/U	82	27.9923	52.6
4500	300 AWD	3.6L V-6	4wd Auto 8 OD L/U	18163	27.9923	52.6
4500	Challenger	6.4L V-8	Rwd Manual 6 OD	820	21.6811	52.0
4500	Challenger	6.4L V-8	Rwd Auto 8 OD L/U	1857	23.4876	51.5
4500	Challenger	6.4L V-8	Rwd Auto 8 OD L/U	1738	23.4876	52.0
4500	Challenger	5.7L V-8	Rwd Manual 6 OD	2482	23.1399	51.6
4500	Challenger	5.7L V-8	Rwd Auto 8 OD L/U	9994	24.6535	51.6
4000	Challenger	3.6L V-6	Rwd Auto 8 OD L/U	21881	29.8923	51.6
4500	Challenger GT	3.6L V-6	4wd Auto 8 OD L/U	5985	27.9923	51.6
4500	Challenger SRT	6.4L V-8	Rwd Manual 6 OD	738	21.6811	52.0
4500	Challenger SRT	6.4L V-8	Rwd Manual 6 OD	739	21.6811	51.5
4500	Challenger SRT	6.4L V-8	Rwd Auto 8 OD L/U	1430	23.4876	52.0
4500	Challenger SRT	6.4L V-8	Rwd Auto 8 OD L/U	1527	23.4876	51.5
4500	Challenger SRT	6.2L V-8	Rwd Manual 6 OD	1151	19.7548	52.0
4500	Challenger SRT	6.2L V-8	Rwd Manual 6 OD	1020	19.7548	53.2
4500	Challenger SRT	6.2L V-8	Rwd Auto 8 OD L/U	2518	20.0858	53.2
4500	Challenger SRT	6.2L V-8	Rwd Auto 8 OD L/U	692	20.0858	52.0
4500	Challenger SRT	6.2L V-8	Rwd Auto 8 OD L/U	3002	20.0858	53.3
4500	Charger	6.4L V-8	Rwd Auto 8 OD L/U	1124	23.4876	53.3
4500	Charger	6.4L V-8	Rwd Auto 8 OD L/U	2754	23.4876	53.8
4500	Charger	5.7L V-8	Rwd Auto 8 OD L/U	20431	24.6535	53.6
4000	Charger	3.6L V-6 (FFV)	Rwd Auto 8 OD L/U	1980	29.8923	53.6
4000	Charger	3.6L V-6	Rwd Auto 8 OD L/U	37936	29.8923	53.6
4500	Charger AWD	5.7L V-8	4wd Auto 5 OD L/U	2855	22.6721	52.6
4500	Charger AWD	3.6L V-6 (FFV)	4wd Auto 8 OD L/U	26	27.9923	52.6
4500	Charger AWD	3.6L V-6	4wd Auto 8 OD L/U	10032	27.9923	52.6
4500	Charger SRT	6.4L V-8	Rwd Auto 8 OD L/U	822	23.4876	53.3
4500	Charger SRT	6.4L V-8	Rwd Auto 8 OD L/U	2015	23.4876	53.8
4500	Charger SRT	6.2L V-8	Rwd Auto 8 OD L/U	3296	20.0858	53.8
2750	500	1.4L I-4	Fwd Manual 5 OD	1816	46.4327	35.1
2750	500	1.4L I-4	Fwd Auto 6 OD L/U	7283	40.0220	35.1
3000	500 Abarth	1.4L I-4	Fwd Auto 6 OD L/U	44	36.4714	35.1
2750	500 Abarth	1.4L I-4	Fwd Manual 5 OD	11	40.4989	35.1
3000	500e	ELEC X-0	Fwd T OD	2301	402.0000	34.8
4000	Cherokee FWD	3.2L V-6	Fwd Auto 9 OD L/U	9711	31.1365	45.9
4000	Cherokee FWD	2.4L I-4 (FFV)	Fwd Auto 9 OD L/U	20414	32.6673	45.9
4000	Cherokee FWD	2.4L I-4	Fwd Auto 9 OD L/U	10831	32.6673	45.9
3500	Compass 4X2	2.4L I-4	Fwd Manual 6 OD	3555	34.9126	43.7
3500	Compass 4X2	2.4L I-4	Fwd Auto 6 OD L/U	38382	33.8041	43.7
Total Projected Domestic Sales				281,842		
Average Fuel Economy					29.0	
FFV Credit					0.4	
TPA Adjustment					0.2	
Final Fuel Economy Result					29.6	
Final Fuel Economy Result with AC Efficiency and Off-Cycle Improvement					30.4	
Domestic Minimum Fuel Economy Standard					38.0	
Reformed Fuel Economy Standard					37.5	
Credits					(21,300,742)	

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)	Solar Thermal					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)	Total Solar Thermal Control Credits (g/mi)			
Chrysler 300	5.7L V-8	Rwd Auto 8 OD L/U	2477	0.2	0	0	0	0	0	0.9	0.1	0.2	1.7	2.9	3.1	1499	
Chrysler 300	3.6L V-6 (FFV)	Rwd Auto 8 OD L/U	108	0.2	0	0	0	0	0	1.5	0.9	0.1	0.2	1.7	2.9	4.6	97
Chrysler 300	3.6L V-6	Rwd Auto 8 OD L/U	25819	0.2	0	0	0	0	0	1.5	0.9	0.1	0.2	1.7	2.9	4.6	23191
Chrysler 300 AWD	3.6L V-6 (FFV)	4wd Auto 8 OD L/U	82	0.2	0	0	0	0	0	1.5	0.9	0.1	0.2	1.7	2.9	4.6	74
Chrysler 300 AWD	3.6L V-6	4wd Auto 8 OD L/U	18163	0.2	0	0	0	0	0	1.5	0.9	0.1	0.2	1.7	2.9	4.6	16314
Dodge Challenger	6.4L V-8	Rwd Manual 6 OD	820	0.1	0	0	0	0	0	1.5	0.5	0.1	0	1.7	2.3	3.9	624
Dodge Challenger	6.4L V-8	Rwd Auto 8 OD L/U	1857	0.1	0	0	0	0	0	1.5	0.5	0.1	0	1.7	2.3	3.9	1414
Dodge Challenger	6.4L V-8	Rwd Auto 8 OD L/U	1738	0.1	0	0	0	0	0	1.5	0.5	0.1	0	1.7	2.3	3.9	1324
Dodge Challenger	5.7L V-8	Rwd Manual 6 OD	2482	0.1	0	0	0	0	0	1.5	0.5	0.1	0	1.7	2.3	3.9	1890
Dodge Challenger	5.7L V-8	Rwd Auto 8 OD L/U	9994	0.1	0	0	0	0	0	0.5	0.1	0	0	1.7	2.3	2.4	4684
Dodge Challenger	3.6L V-6	Rwd Auto 8 OD L/U	21881	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	14527
Dodge Challenger GT	3.6L V-6	4wd Auto 8 OD L/U	5985	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	3973
Dodge Challenger SRT	6.4L V-8	Rwd Manual 6 OD	738	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	490
Dodge Challenger SRT	6.4L V-8	Rwd Manual 6 OD	739	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	491
Dodge Challenger SRT	6.4L V-8	Rwd Auto 8 OD L/U	1430	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	949
Dodge Challenger SRT	6.4L V-8	Rwd Auto 8 OD L/U	1527	0.3	0	0	0	0	0	1.5	1	0.1	0.3	1.7	3.1	4.9	1461
Dodge Challenger SRT	6.2L V-8	Rwd Manual 6 OD	1151	0.3	0	0	0	0	0	1.5	1	0.1	0.3	1.7	3.1	4.9	1101
Dodge Challenger SRT	6.2L V-8	Rwd Manual 6 OD	1020	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	677
Dodge Challenger SRT	6.2L V-8	Rwd Auto 8 OD L/U	2518	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	1672
Dodge Challenger SRT	6.2L V-8	Rwd Auto 8 OD L/U	692	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	459
Dodge Challenger SRT	6.2L V-8	Rwd Auto 8 OD L/U	3002	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	1993
Dodge Charger	6.4L V-8	Rwd Auto 8 OD L/U	1124	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	746
Dodge Charger	6.4L V-8	Rwd Auto 8 OD L/U	2754	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	1828
Dodge Charger	5.7L V-8	Rwd Auto 8 OD L/U	20431	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	13564
Dodge Charger	3.6L V-6 (FFV)	Rwd Auto 8 OD L/U	1980	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	1315
Dodge Charger	3.6L V-6	Rwd Auto 8 OD L/U	37936	0.3	0	0	0	0	0	1	0.1	0.3	0	1.7	3.1	3.4	25186
Dodge Charger AWD	5.7L V-8	4wd Auto 5 OD L/U	2855	0.3	0	0	0	0	0	0.8	0.1	0.3	0	1.7	2.9	3.2	1784
Dodge Charger AWD	3.6L V-6 (FFV)	4wd Auto 8 OD L/U	26	0.3	0	0	0	0	0	0.8	0.1	0.3	0	1.7	2.9	3.2	16
Dodge Charger AWD	3.6L V-6	4wd Auto 8 OD L/U	10032	0.3	0	0	0	0	0	0.8	0.1	0.3	0	1.7	2.9	3.2	6268
Dodge Charger SRT	6.4L V-8	Rwd Auto 8 OD L/U	822	0.3	0	0	0	0	0	1.5	0.8	0.1	0.3	1.7	2.9	4.7	754
Dodge Charger SRT	6.4L V-8	Rwd Auto 8 OD L/U	2015	0.3	0	0	0	0	0	1.5	0.8	0.1	0.3	1.7	2.9	4.7	1849
Dodge Charger SRT	6.2L V-8	Rwd Auto 8 OD L/U	3296	0.3	0	0	0	0	0	0.8	0.1	0.3	0	1.7	2.9	3.2	2059
Fiat 500	1.4L I-4	Fwd Manual 5 OD	1816	0.3	0	0	0	0	0	1.5	0.8	0.1	0.3	1.7	2.9	4.7	1667
Fiat 500	1.4L I-4	Fwd Auto 6 OD L/U	7283	0.3	0	0	0	0	0	1.5	0.8	0.1	0.3	1.7	2.9	4.7	6684
Fiat 500 Abarth	1.4L I-4	Fwd Auto 6 OD L/U	44	0.3	0	0	0	0	0	0.8	0.1	0.3	0	1.7	2.9	3.2	27
Fiat 500 Abarth	1.4L I-4	Fwd Manual 5 OD	11	0.3	0	0	0	0	0	0.8	0.1	0.3	0	1.7	2.9	3.2	7
Fiat 500e	ELEC X-0	Fwd T OD	2301	0.3	0	0	0	0	0	0.8	0.1	0.3	0	1.7	2.9	3.2	1438
Jeep Cherokee FWD	3.2L V-6	Fwd Auto 9 OD L/U	9711	0.3	0	2.5	0	0	0	1.5	1.7	0.1	0	1.7	3.5	7.8	14790
Jeep Cherokee FWD	2.4L I-4 (FFV)	Fwd Auto 9 OD L/U	20414	0.3	0.5	0	0	0	0	1.7	0.1	0	0	1.7	3.5	4.3	17140
Jeep Cherokee FWD	2.4L I-4	Fwd Auto 9 OD L/U	10831	0.3	0.5	0	0	0	0	1.7	0.1	0	0	1.7	3.5	4.3	9094
Jeep Compass 4X2	2.4L I-4	Fwd Manual 6 OD	3555	0	0	0	0	0	0	1.1	0.1	0	0	1.7	2.9	2.9	2013
Jeep Compass 4X2	2.4L I-4	Fwd Auto 6 OD L/U	38382	0	0	2.5	0	0	0	1.1	0.1	0	0	1.7	2.9	5.4	40471
281842														Total		227,607	

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

A/C Efficiency Credits	229,572	
Off-Cycle Credits	227,607	
FCIV _{AC}	0.000469392	gal/mi
FCIV _{OC}	0.000465374	gal/mi

MPG before improvement	29.6
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MPG after improvement	30.4
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MPG improvement difference	0.8
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