

BMW 2017 CAFE Mid-Model Year Report

prepared by

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**submitted by
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Estimated footprint-based CAFE standard

With the enclosed footprint and production forecast figures we calculated the following BMW CAFE standards:

<u>Passenger Cars:</u>	38.5 mpg
<u>Light Trucks:</u>	30.6 mpg

BMW Corporate Average Fuel Economy

With the enclosed fuel economy data and production forecast figures we calculated the following fuel economy averages:

	<u>unadjusted</u>	<u>adjusted</u>
<u>Passenger Cars:</u>	34.9 mpg	35.1 mpg
<u>Light Trucks:</u>	28.9 mpg	

BMW believes that the above projection sufficiently represents its average fuel economy for the current model year for the purposes of the Act.

DATA HIGHLIGHTED IN RED TO BE TREATED AS

Make	Model Type	Tire option	Category PV/LT	Projected sales [#]	Tire dimension		Wheel base [inch]	Track width			Foot-print [ft²]	CAFE [mpg]
					front	rear		front [inch]	rear [inch]	average [inch]		
BMW	X3 xDrive 28d	STD	LT	15	245/50 R18	245/50 R18	110,6	62.8	63.4	63.1	48.5	31.55
BMW	X3 xDrive 28d	V1	LT	14	245/45 R19	245/45 R19	110,6	63.1	63.8	63.4	48.7	31.44
BMW	X3 xDrive28i	STD	LT	21587	245/50 R18	245/50 R18	110,6	62.8	63.4	63.1	48.5	31.55
BMW	X3 xDrive28i	V1	LT	14827	245/45 R19	245/45 R19	110,6	63.1	63.8	63.4	48.7	31.44
BMW	X3 xDrive28i	V2	LT	891	245/45 R19	275/40 R19	110,6	63.1	63	63	48.4	31.61
BMW	X3 xDrive28i	V3	LT	715	245/40 R20	275/35 R20	110,6	63.1	62.8	63	48.4	31.61
BMW	X3 xDrive35i	STD	LT	2431	245/50 R18	245/50 R18	110,6	62.8	63.4	63.1	48.5	31.55
BMW	X3 xDrive35i	V1	LT	5505	245/45 R19	245/45 R19	110,6	63.1	63.8	63.4	48.7	31.44
BMW	X3 xDrive35i	V2	LT	162	245/45 R19	275/40 R19	110,6	63.1	63	63	48.4	31.61
BMW	X3 xDrive35i	V3	LT	935	245/40 R20	275/35 R20	110,6	63.1	62.8	63	48.4	31.61
BMW	X4 xDrive28i	STD	LT	293	245/50 R18	245/50 R18	110,6	62.8	63.4	63.1	48.5	31.55
BMW	X4 xDrive28i	V1	LT	1691	245/45 R19	245/45 R19	110,6	63.1	63.8	63.4	48.7	31.44
BMW	X4 xDrive28i	V2	LT	20	245/45 R19	275/40 R19	110,6	63.1	63	63	48.4	31.61
BMW	X4 xDrive28i	V3	LT	260	245/40 R20	275/35 R20	110,6	63.1	62.8	63	48.4	31.61
BMW	X4 M40i	V1	LT	363	245/45 R19	245/45 R19	110,6	63.1	63.8	63.4	48.7	31.44
BMW	X4 M40i	STD	LT	771	245/45 R19	275/40 R19	110,6	63.4	63	63.2	48.5	31.55
BMW	X4 M40i	V2	LT	644	245/40 ZR20	275/35 ZR20	110,6	63.1	62.8	63	48.4	31.61
BMW	X5 M	STD	LT	265	285/40 R20	325/35 R20	115,5	65.6	65.6	65.6	52.6	29.62
BMW	X5 M	V1	LT	1013	285/35 ZR21	325/30 ZR21	115,5	65.6	65.6	65.6	52.6	29.62
BMW	X5 sDrive35i	V1	LT	8615	255/50 R19	255/50 R19	115,5	64.6	64.7	64.6	51.8	29.94
BMW	X5 sDrive35i	V3	LT	3962	275/40 R20	315/35 R20	115,5	65.2	65.6	65.4	52.5	29.66
BMW	X5 xDrive35d	STD	LT	213	255/55 R18	255/55 R18	115,5	64.7	64.8	64.8	52	29.86
BMW	X5 xDrive35d	V1	LT	1328	255/50 R19	255/50 R19	115,5	64.6	64.7	64.6	51.8	29.94
BMW	X5 xDrive35d	V3	LT	605	275/40 R20	315/35 R20	115,5	65.2	65.6	65.4	52.5	29.66
BMW	X5 xDrive35i	V1	LT	23221	255/50 R19	255/50 R19	115,5	64.6	64.7	64.6	51.8	29.94
BMW	X5 xDrive35i	V3	LT	6391	275/40 R20	315/35 R20	115,5	65.2	65.6	65.4	52.5	29.66
BMW	X5 xDrive40e	STD	LT	33	255/55 R18	255/55 R18	115,5	64.7	64.8	64.8	52	29.86
BMW	X5 xDrive40e	V1	LT	3795	255/50 R19	255/50 R19	115,5	64.6	64.7	64.6	51.8	29.94
BMW	X5 xDrive40e	V3	LT	1613	275/40 R20	315/35 R20	115,5	65.2	65.6	65.4	52.5	29.66
BMW	X5 xDrive50i	V1	LT	1207	255/50 R19	255/50 R19	115,5	64.6	64.7	64.6	51.8	29.94
BMW	X5 xDrive50i	V2	LT	2020	275/40 R20	315/35 R20	115,5	65.2	65.6	65.4	52.5	29.66
BMW	X6 M	STD	LT	142	285/40 R20	325/35 R20	115,5	65.6	65.6	65.6	52.6	29.62
BMW	X6 M	V1	LT	485	285/35 ZR21	325/30 ZR21	115,5	65.6	65.6	65.6	52.6	29.62
BMW	X6 sDrive35i	STD	LT	282	255/50 R19	255/50 R19	115,5	64.6	67.2	65.9	52.9	29.5
BMW	X6 sDrive35i	V1	LT	762	275/40 R20	315/35 R20	115,5	65.2	65.7	65.4	52.5	29.66
BMW	X6 xDrive35i	STD	LT	1896	255/50 R19	255/50 R19	115,5	64.6	67.2	65.9	52.9	29.5
BMW	X6 xDrive35i	V1	LT	2249	275/40 R20	315/35 R20	115,5	65.2	65.7	65.4	52.5	29.66
BMW	X6 xDrive50i	STD	LT	260	255/50 R19	255/50 R19	115,5	64.6	67.2	65.9	52.9	29.5
BMW	X6 xDrive50i	V1	LT	404	275/40 R20	315/35 R20	115,5	65.2	65.7	65.4	52.5	29.66
Total BMW LT fleet				111 885								30.6

Total fleet production volumes	354 496
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DATA HIGHLIGHTED IN RED TO BE TREATED AS			PC-Fleet	LT-Fleet
Projected Production			242 611	111 885
Projected adjusted average Fuel Economy			35.1 MPG	28.9 MPG
Model	Type	Transmission	Projected Sales [#]	Combined FE [mpg]
MINI	Cooper Hardtop (2-Door)	MT	757	43.0
MINI	Cooper Hardtop (2-Door)	AT	4425	40.5
MINI	Cooper Hardtop (4-Door)	MT	321	42.5
MINI	Cooper Hardtop (4-Door)	AT	4313	40.5
MINI	Cooper Convertible	MT	334	42.5
MINI	Cooper Convertible	AT	2008	40.5
MINI	Cooper Clubman	MT	117	37.3
MINI	Cooper Clubman	AT	2226	37.0
MINI	Cooper Countryman	MT	170	37.3
MINI	Cooper Countryman	AT	1532	37.0
MINI	Cooper Clubman ALL4	MT	254	34.3
MINI	Cooper Clubman ALL4	AT	2868	34.6
MINI	Cooper Countryman ALL4	MT	232	34.3
MINI	Cooper Countryman ALL4	AT	2098	34.0
MINI	Cooper S Hardtop (2-Door)	MT	983	35.0
MINI	Cooper S Hardtop (2-Door)	AT	4535	38.1
MINI	Cooper S Hardtop (4-Door)	MT	642	35.0
MINI	Cooper S Hardtop (4-Door)	AT	3392	38.1
MINI	Cooper S Convertible	MT	409	35.0
MINI	Cooper S Convertible	AT	2608	38.0
MINI	Cooper S Clubman	MT	166	33.5
MINI	Cooper S Clubman	AT	2028	35.8
MINI	Cooper S Clubman ALL4	MT	650	31.9
MINI	Cooper S Clubman ALL4	AT	4108	34.6
MINI	Cooper S Countryman	AT	2044	35.8
MINI	Cooper S Countryman ALL4	AT	2495	34.5
MINI	JCW Hardtop	MT	458	35.0
MINI	JCW Hardtop	AT	376	38.1
MINI	JCW Convertible	MT	126	33.5
MINI	JCW Clubman ALL4	MT	125	31.9
MINI	JCW Clubman ALL4	AT	251	34.6
MINI	JCW Convertible	AT	279	38.0
BMW	230i xDrive Coupe	AT	996	34.6
BMW	230i xDrive Coupe	AT	63	34.6
BMW	230i Convertible	AT	1612	36.5
BMW	230i Coupe	MT	274	33.1
BMW	230i Coupe	AT	1514	37.4
BMW	230i xDrive Convertible	AT	1185	34.5
BMW	M240i xDrive Coupe	AT	914	31.8
BMW	M240i Convertible	MT	155	29.3
BMW	M240i Convertible	AT	657	31.8
BMW	M240i Coupe	MT	387	28.9
BMW	M240i Coupe	AT	971	31.8
BMW	M240i xDrive Convertible	AT	409	31.8
BMW	M2	MT	1313	27.0
BMW	M2	AT	1111	29.5
BMW	320i	AT	9319	37.3
BMW	320i xDrive	AT	5676	35.9
BMW	328d	AT	852	49.6
BMW	328d xDrive	AT	833	46.3
BMW	328d xDrive Sports Wagon	AT	731	46.3
BMW	330e	AT	3142	70.9
BMW	330i	MT	292	33.1

Model	Type	Transmission	Projected Sales [#]	Combined FE [mpg]
BMW	330i	AT	14019	36.5
BMW	330i xDrive	AT	10403	34.5
BMW	330i xDrive Gran Turismo	AT	1577	34.5
BMW	330i xDrive Gran Turismo	AT	326	34.5
BMW	330i xDrive Sports Wagon	AT	1841	34.5
BMW	340i	MT	220	29.3
BMW	340i	AT	2155	31.8
BMW	340i xDrive	MT	471	29.6
BMW	340i xDrive	AT	1937	31.8
BMW	340i xDrive Gran Turismo	AT	503	30.2
BMW	M3	MT	839	26.2
BMW	M3	AT	2672	25.2
BMW	430i Convertible	AT	2915	36.5
BMW	430i Coupe	MT	58	33.6
BMW	430i Coupe	AT	2052	36.5
BMW	430i Gran Coupe	AT	4674	36.5
BMW	430i xDrive Convertible	AT	1406	34.4
BMW	430i xDrive Convertible	AT	125	34.4
BMW	430i xDrive Coupe	AT	1203	34.5
BMW	430i xDrive Gran Coupe	AT	2435	34.5
BMW	430i xDrive Gran Coupe	AT	429	34.5
BMW	440i Convertible	AT	793	31.4
BMW	440i Coupe	MT	70	29.3
BMW	440i Coupe	AT	918	31.8
BMW	440i Gran Coupe	AT	1203	31.8
BMW	440i xDrive Convertible	AT	831	30.2
BMW	440i xDrive Coupe	MT	145	29.6
BMW	440i xDrive Coupe	AT	635	31.8
BMW	440i xDrive Gran Coupe	AT	1013	31.8
BMW	M4 Coupe	MT	260	26.2
BMW	M4 Coupe	AT	1382	25.2
BMW	M4 Convertible	MT	101	26.2
BMW	M4 Convertible	AT	591	25.2
BMW	i3 BEV	AT	3880	409.4
BMW	i3 BEV + REX	AT	5012	86.7
BMW	i8	AT	400	56.6
BMW	X1 sDrive28i	AT	7338	35.1
BMW	X1 xDrive28i	AT	21810	34.5
BMW	X3 sDrive28i	AT	20811	31.3
BMW	530i	AT	7241	36.5
BMW	530i xDrive	AT	5844	34.5
BMW	535i Gran Turismo	AT	342	28.8
BMW	535i xDrive Gran Turismo	AT	394	27.8
BMW	540i	AT	6341	31.8
BMW	540i xDrive	AT	6092	31.8
BMW	550i xDrive Gran Turismo	AT	92	24.8
BMW	640i Convertible	AT	363	30.8
BMW	640i Coupe	AT	123	31.5
BMW	640i Gran Coupe	AT	622	30.8
BMW	640i xDrive Convertible	AT	172	29.2
BMW	640i xDrive Coupe	AT	59	29.2
BMW	640i xDrive Gran Coupe	AT	478	29.2
BMW	650i Convertible	AT	642	25.8
BMW	650i Coupe	AT	79	25.8
BMW	650i xDrive Convertible	AT	290	24.8
BMW	650i xDrive Coupe	AT	66	24.5
BMW	650i xDrive Gran Coupe	AT	426	24.8

Model	Type	Transmission	Projected Sales [#]	Combined FE [mpg]
BMW	Alpina B6 xDrive Gran Coupe	AT	29	24.8
BMW	M6 Coupe	MT	11	22.0
BMW	M6 Coupe	AT	119	20.5
BMW	M6 Convertible	MT	10	22.0
BMW	M6 Convertible	AT	127	20.5
BMW	M6 Gran Coupe	MT	7	22.0
BMW	M6 Gran Coupe	AT	253	20.5
BMW	740e xDrive	AT	640	61.9
BMW	740i	AT	3703	31.4
BMW	740i xDrive	AT	1433	30.2
BMW	750i (US only)	AT	1517	25.8
BMW	750i xDrive	AT	3992	24.8
BMW	Alpina B7 xDrive LWB	AT	92	24.8
BMW	M760i xDrive	AT	285	20.0
Rolls-Royce	Wraith	AT	392	18.6
Rolls-Royce	Ghost EWB	AT	46	18.0
Rolls-Royce	Ghost	AT	285	18.0
Rolls-Royce	Dawn	AT	797	18.0
Rolls-Royce	Phantom Coupe	AT	1	17.4
Rolls-Royce	Phantom	AT	3	17.4
Rolls-Royce	Phantom Drophead Coupe	AT	11	17.4
Rolls-Royce	Phantom EWB	AT	3	17.4
Total BMW Group Passenger Vehicle Fleet			242 611	34.9328
			adjusted FE	35.1
Model	Type	Transmission	Projected Sales [#]	Combined FE [mpg]
BMW	X3 xDrive 28d	AT	29	40.1
BMW	X3 xDrive28i	AT	38020	31.3
BMW	X4 xDrive28i	AT	2264	30.3
BMW	X3 xDrive35i	AT	9033	27.8
BMW	X4 M40i	AT	1778	27.8
BMW	X5 sDrive35i	AT	12577	27.2
BMW	X6 sDrive35i	AT	1044	27.2
BMW	X5 xDrive35i	AT	29612	26.6
BMW	X6 xDrive35i	AT	4145	26.6
BMW	X5 xDrive50i	AT	3227	22.1
BMW	X6 xDrive50i	AT	664	22.1
BMW	X5 M	AT	1278	20.7
BMW	X6 M	AT	627	20.7
BMW	X5 xDrive35d	AT	2146	33.8
BMW	X5 xDrive40e	AT	5441	55.9
Total BMW Group Light Truck Fleet			111 885	28.9