Mazda Motor Corporation

2019 Mid-Model Year Automotive Fuel Economy Report

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Mid-Model Year Report for Model Year 2019

1. Information for the Passenger Automobiles

1-1. Projected Average Fuel Economy:

Import PC CAFE

Model Year	Baseline CAFE (w/o FCIV)	Mid CAFE (w/ FCIV)	MFR Projected Reformed CAFE Standard
2019	38.8	39.1	42.8

1-2. Model type and configuration fuel economy and technical information

1-2-1. By Model Type

1-2-1-1. Combined fuel economy and projected production volume for Import Carlines

Model Type	Combined Fuel Economy	Projected Production Volume	Total Production Volume
MAZDA2 (1.5L) M6	47.1	[94]	
MAZDA2 (1.5L) S6	48.5	[266]	
MX-5 (Soft Top & RHT) (2.0L) M6 SIL	39.3	[6224]	
MX-5 (Soft Top & RHT) (2.0L) S6	40.3	[4053]	
CX-3 2WD (2.0L) S6	41.9	[11040]	
CX-3 4WD (2.0L) S6	39.6	[19647]	
MAZDA3 4-Door 2WD (2.5L w/o Cylinder Deactivation) S6	39.9	[12491]	
MAZDA3 4-Door 2WD (2.5L_w/ Cylinder Deactivation) S6	41.0	[3247]	
MAZDA3 4-Door 4WD (2.5L w/Cylinder Deactivation) S6	38.2	[4980]	[154255]
MAZDA3 5-Door 2WD (2.5L_w/ Cylinder Deactivation) M6 SIL	39.4	[833]	
MAZDA3 5-Door 2WD (2.5L w/ Cylinder Deactivation) S6	40.1	[9986]	
MAZDA3 5-Door 4WD (2.5L_w/ Cylinder Deactivation) S6	37.0	[6646]	
MAZDA6	39.8	[5642]	
(2.5L w/ Cylinder Deactivation) S6			
MAZDA6 (2.5L_T/C) S6	35.3	[5586]	
CX-5 2WD	37.1	[62705]	
(2.5L_w/ Cylinder Deactivation) S6			
CX-5 2WD (2.5L_T/C) S6	33.3	[815]	

1-2-1-2. Application of air conditioning, off-cycle efficiency improvement technology for Import Carlines

Projected A/F efficiency credits: 0 megagrams Projected off-cycle technology credits: 62540 megagrams

1-2-2-1. By Vehicle Configuration for Import Carlines

1000		10/10/00/00		-		1000		SAE	SAE		1000300	EMS	т	G	121		_	-	PROJ	NT	BODY	ROAD	1270216	10000	TRACK	TRACK	TRACK	WHEEL	FOOT	FRNT	OPT	TION(#	(1)
NO. CFG	CONFIGURATION	AREA	WC	LVW	ETW	SP (L)	CYL	NET kW	NET	CODE	SYS	CTL SYS	RN	RS	D	NV	AXLE	FE	PROD	VOL (ft ³)	STYLE (#2)	LOAD	SIZE	BASE	Front	Rear	WIDTH (in)	BASE (in)	PRINT (ft ²)	AREA (ft ²)	AC	B	PS
1	MAZDA2	50S	2500	2630	2625	1.5	4	79	106	6P5V3AAB	DFI	(*1)	(M)	6	(Y)	37.6	4.105	47.1	94	102.6	5HB	10.2	P185/65 R15	x	58.8	(in) 58.4	58.6	101.2	412	23.2	Y	Y	Y
2	MAZDA2	50S	2750	2681	2750	1.5	4	79	106	9P5VSAAA	DFI	(*1)	S	6	Y	32.2	3.824	48.5	266	102.6	5HB	9.9	P185/65 R15	X	58.8 ±1.0	58.4 ±1.0	58.6 ±1.0	101.2 ±1.0	412 ±12	23.2	Y	Y	Y
3	MX-5 W/SL	50S	2500	2639	2625	2.0	4	135	181	9PEPU3AAA	DFI	(*1)	м	6	N	41.9	2.866	39.3	2638	n/a	ST	11.7	195/50 R16	x	58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	Y	Y	Y
																40.9	2.866			n/a	ST	11.7	205/45 R17		58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	Y	Y	Y
4	MX-5 W/SL	50S	2750	2753	2750	2.0	4	135	181	9PEPU3AAB	DFI	(*1)	м	6	N	40.9	2.866	39.3	3586	n/a	RHT	11.7	205/45 R17		58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	Y	Y	Y
5	MX-5	50S	2750	2688	2750	2.0	4	135	181	9PEPUSAAA	DFI	(*1)	S	6	Y	30.5	3.583	40.3	942	n/a	ST	11.8	195/50 R16	x	58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	Y	Y	Y
_																29.8	3.583			n/a	ST	11.8	205/45 R17		58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	X	Y	Y
6	MX-5	50S	2750	2793	2750	2.0	4	135	181	9PEPUSAAB	DFI	(*1)	S	6	Y	29.8	3.583	40.3	3111	n/a	RHT	11.8	205/45 R17	_	58.9 ±1.0	59.2 ±1.0	59.0 ±1.0	90.9 ±1.0	37.2 ±1.2	19.0	Y	Y	Y
7	CX-3 2WD	Fed	3000	3151	3125	2.0	4	110	148	9PEUSAAM	DFI	(*1)	S	6	Y	34.3	4.325	41.9	4990	103.5	5WGN	11.7	P215/60 R16	x	60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	Ŷ	Y	Y
																33.8	4.325			103.5	5WGN	11.7	P215/50 R18		60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	422 ±12	25.0	Y	Y	Y
8	CX-3 2WD	Calif	3000	3151	3125	2.0	4	110	148	9PEUSAA1	DEI	(*1)	s	6	(*)	34.3	4.325	42.0	6050	103.5	5WGN	11.7	P215/60 R16	ं	60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	Y	Y	Y
	CV 2 (115)	End	2000	2004	2050	- 20		110	140	0051104.444	DEI	(14)			~	33.8	4.325	20.6	0000	103.5	5WGN	11.7	P215/50 R18		60.0 ±1.0	59.9 ±1.0	60.0 ±1.0	101.2 ±1.0	42.2 ±1.2	25.0	×	Y	Y
9	CX-34WD	Fed	3000	3284	3200	2.0	6.50	TIU	148	PEUGAAM	UFI	<u>cu</u>	2	0	100	34.3	4.320	39.0	0000	103.0	SWGN	13.0	P210/00 R10	×	±1.0	±1.0	±1.0	±1.0	42.2 ±12	25.0		· ·	v
10	CX 2 (WD	Calif	2000	2204	2050	20		440	140	OPELICAAL	DEL				v	33.0	4.320	20.7	10787	103.5	EWICH	13.0	P210/00 K16		±1.0	±1.0	±1.0	±1.0	±1.2	25.0		-	V
10	0.3400	Udil	3000	3284	3200	2.0			140	BECOMAT	UFI	60	•	0		33.8	4.325	38.1	10/0/	103.5	5WGN	13.0	P215/50 P18	*	±1.0	±1.0	±1.0	±1.0	±12	25.0		v	v
11	MAZDA3 4-Door	50S	3500	3349	3375	2.5	4	139	186	9PYUSAAA	DFI	(*1)	S	6	Y	27.7	3.422	41.4	214	106.0	SDN	10.3	205/80 R16	x	±1.0	±1.0 62.2	±1.0 62.0	±1.0	±12 462	24.2	Y	Y	Y
	2WD			(((((((((((((((((((1000	1000	100	1.11.11.11.11.1	711		100	1.000	1.57	27.7	3422	39.7	2172	106.0	SDN	10.8	215/45 R18		±1.0	±1.0	±1.0	±1.0	±1.2	24.2	Y	Y	Y
12	MAZDA34-Door	505	3500	3349	3375	25	4	139	186	9PYUSABA	DEL	(1)	S	6	Y	277	3422	414	904	106.0	SDN	10.3	205/80 R16	x	±1.0	±1.0	±1.0	±1.0	±1.2	24.2		Y	Y
17	2WD				Sector S		1.000	442	475		7.05	8.76	1.00			27.7	3422	30.7	9201	108.0	SDN	10.8	215/45 R18	102	±1.0	±1.0	±1.0	±1.0	±1.2	24.2		v	v
13	MAZDA34-Door	505	3500	3371	3375	25	4	139	186	0PVIDSAAA	DEL	(*1)	s	6	Y	29.3	3,626	42.3	0	108.0	SDN	10.0	205/80 R16		±1.0	±1.0	±1.0	±1.0	±12 48.2	24.2		Y	· ·
	2WD				0.0000	100	28	6000	100						2002	20.3	3,626	410	820	108.0	SDN	10.6	215/45 P18	<u>.</u>	±1.0	±1.0	±1.0	±1.0	±12	24.2		<u> </u>	·
14	MAZDA34-Door	505	3500	3371	3375	25	4	130	198	OPM IDSABA	DEL	(*1)	S	8	v	20.0	3,626	423	020	108.0	SDN	10.0	205/80 R18	×	±1.0	±1.0	±1.0	±1.0	±12	24.2		·	v
2.50	2WD		0000		0010		10	100		a robonon	2.0	1.2	1		1993	20.3	3,626	410	2627	108.0	SDN	10.6	215/45 R18	. 101	±1.0	±1.0	±1.0	±1.0	±1.2	24.2		<u> </u>	·
15	MAZDA34 Door	509	2500	2549	2825	25	4	120	198	OPM IDGAAA	DEI	(*1)	c	8	v	20.3	3,626	20.1	0	108.0	SDN	11.0	205/80 018		±1.0	±1.0	±1.0	±1.0	±1.2	24.2	· ·	·	×
15	4WD	305	3500	3040	3023	~		136	100	ar robonna		1.2%	, , , , , , , , , , , , , , , , , , ,	Ŭ		20.0	3,626	38.1	051	108.0	SDN	11.0	215/45 P18	<u> </u>	±1.0	±1.0	±1.0	±1.0	±1.2	24.2	↓ ↓	·	·
18	MAZDA24 Door	500	2500	2540	2825	25		120	108	OPMIDGARA	DEL	(74)	e		v	20.0	2,626	20.1	0	108.0	CDN	11.0	205/80 018		±1.0	±1.0	±1.0	±1.0	±12	24.2		·	×
.10	4WD	000	3000	0040	0020	2.0		138	100	artobonbh	DFI	1.6%	~			20.0	3.020	20.2	4020	108.0	SDN	11.0	215/16 010		±1.0	±1.0	±1.0	±1.0	±12	24.2		-	v
47	MAZDA 2 5 Dees	500	2500	2222	2275	25		120	408	0004002444	DEL	(11)			~	26.5	3.020	20.4	-1020	112.0	EUD	10.5	205/80 018		±1.0	±1.0	±1.0	±1.0	±12	24.2		-	v
10	2WD	005	3000	3322	3370	2.0		138	180	9PT0D3AAA	DFI	(1)	IM .	0		30.4	3.800	39.4	022	112.8	SUD	10.5	200/00 R10	्र	±1.0	±1.0	±1.0	±1.0	40.2 ±1.2	24.0		T V	Y
18	MAZDA3.5-Door	505	3500	3382	3375	25	4	139	186	9PYUDSAAA	DEL	(*1)	S	6	Y	29.3	3,626	40.9	0	112.0	5HB	10.6	205/80 R18	×	±1.0	±1.0	±1.0	±1.0	±12 482	24.0		Y	Y
	2WD											1.4	100	a de la compañía de la	100	20.2	3,626	40.1	0008	112.9	540	11.2	215/45 010	2.97	±1.0	±1.0	±1.0	±1.0	±12	24.0		·	v
10	MA 70 4 2 5 Da	500	2500	2555	2625	25		120	100	00000000000	DEL	045	6		v	20.3	3.020	27.0		112.0	ELID.	11.2	205/80 040		±1.0	±1.0	±1.0	±1.0	±12	24.0			
18	4WD	SUS	JUCE	3000	3020	2.5	4	138	180	BPYUDGAAA	UFI	C.	2	0		28.3	3.026	37.0	0	112.8	OHB	11.0	200/00 1016	×	±1.0	±1.0	±1.0	±1.0	40.2 ±1.2	24.0		1	T
															110000	29.3	3.626	37.0	6646	112.8	5HB	12.1	215/45 R18		61.7 ±1.0	62.2 ±1.0	62.0 ±1.0	107.3 ±1.0	46.2 ±1.2	24.0	×.	1	Y
(#1)	AC Air Contioning, ABS A	Anti-lock Bra	ake System	n, PS Pow	ver Steering	a						(*1)TWC/	WU-TWC/	HO2S/WR	-HO2S/DF	1																	

(#1) AC Air Contioning, ABS Anti-lock Brake System, PS Power Steering (#2) ST Soft top, RHT Retractable Hard Top

ATTACHMENT I Exhibit II, Table 1 Page 2

1-2-2-1. By Vehicle Configuration for Import Carlines

NO.	CHICAGO TRAVELA	-				THE R. L.		CAE	CAE			EMC	T	G	2000			-	PPOL	NT		POAD	Tax and a	A REPORT OF	TRACK	TRACK	TRACK	MUCCI	FOOT	FRNT	OP	TION(#1)
CFG	CONFIGURATION	SALES	WC	LVW	ETW	SP (L)	CYL	NET	NET	CODE	FUEL	CTL SYS	RN	RS	O D	NV	AXLE	COMB FE	PROD	VOL (ft ³)	BODY STYLE	LOAD	TIRE	BASE	WDTH Front (in)	WDTH Rear (in)	WIDTH (in)	BASE (in)	PRINT (ft ²)	AREA (ft²)	A C	A B S	PS
20	MAZDA6 W/SIL	50S	3500	3660	3625	2.5	4	139	187	8PYU3FAA	DFI	(*1)	м	6	Y	36.1	4.105	37.0	0	114.6	SDN	11.1	P225/55 R17	x	62.4 ±1.0	62.0 ±1.0	62.2 ±1.0	111.4 ±1.0	48.1 ±1.2	24.6	Y	Y	Y
																35.8	4.105	36.8	0	114.6	SDN	11.4	P225/45 R19		62.8 ±1.0	62.4 ±1.0	62.6 ±1.0	111.4 ±1.0	48.4 ±1.2	24.6	Y	Y	Y
21	MAZDA6	50S	3500	3733	3750	2.5	4	139	187	8PYUDSFAA	DFI	(*1)	S	6	Y	29.5	3.812	39.7	1512	114.6	SDN	11.2	P225/55 R17	x	62.4 ±1.0	62.0 ±1.0	62.2 ±1.0	111.4 ±1.0	48.1 ±1.2	24.6	Y	Y	Y
									0.010	5-3-1,00x3-0020		2 (198)				29.3	3.812	39.8	4130	114.6	SDN	11.5	P225/45 R19		62.8 ±1.0	62.4 ±1.0	62.6 ±1.0	111.4 ±1.0	48.4 ±1.2	24.6	Y	Y	Y
22	MAZDA6	50S	4000	3880	3875	2.5 T/C	4	169	227	8PYTSFAA	DFI	(*3)	S	6	(Y)	31.7	4.090	35.6	0	114.6	SDN	11.8	P225/55 R17	्×ः	62.4 ±1.0	62.0 ±1.0	62.2 ±1.0	111.4 ±1.0	48.1 ±1.2	24.6	Y	Y	Y
						11.25										31.5.	4.090	35.3	5586	114.6	SDN	12.0	P225/45 R19		62.8 ±1.0	62.4 ±1.0	62.6 ±1.0	111.4 ±1.0	48.4 ±1.2	24.6	Y	Y	Y
23	MAZDA6	50S	4000	4148	4250	2.2	4	125	168	9SHGFAA	DFI	(*2)	S	6	Y	31.5.	4.090	41.1	0	114.6	SDN	13.2	P225/45 R19		62.8 ±1.0	62.4 ±1.0	62.6 ±1.0	111.4 ±1.0	48.4 ±1.2	24.6	Y	Y	Y
24	CX-5 2WD	50S	4000	3841	3875	2.5	4	139	187	8PYUDSAAA	DFI	(*1)	S	6	Y	31.5	4.325	37.1	40357	134.5	5WGN	13.4	P225/85 R17	x	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	X	Y
																31.2	4.325	37.1	22348	134.5	5WGN	13.3	P225/55 R19		62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	Y	Y
25	CX-5 2WD	50S	4000	3988	4000	2.5 T/C	4	169	227	9PYTSLAA	DFI	(*3)	S	6	Y	31.8	4.411	33.3	815	134.5	5WGN	13.8	P225/55 R19	X	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	48.3 ±1.2	28.0	Y	Y	Y
26	CX-5 2WD	50S	4000	4101	4000	2.2	4	125	168	8SHSAAA	DFI	(*2)	S	6	Y	31.8	4.411	41.2	0	134.5	5WGN	13.8	P225/55 R19	×	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	X	Y	Y

(#1) AC Air Contioning, ABS Anti-lock Brake System, PS Power Steering

(*1)TWC/WU-TWC/H02S/WR-H02S/DFI

(*2)WU-OC+NAC/NH3OC/SCRC/DPF/CAC/TC/DF/EGRCMR-H02S/NOXS/PMS/EGR/RDQS (*3)TWC/MU-TWC/H02S/WR-H02S/0FI/CAC/TC/EGR/EGRC



2. Information for the Non-passenger Automobiles

2-1. Projected Average Fuel Economy

Truck CAFE

Model Year	Baseline CAFE (w/o FCIV)	Mid CAFE (w/ FCIV)	MFR Projected Reformed CAFE Standard
2019	33.4	33.9	33.6

2-2. Model type and configuration fuel economy and technical information:

2-2-1. By Model Type

2-2-1-1. Combined fuel economy and projected production volume

Model Type	Combined Fuel Economy	Projected Production Volume	Total Production Volume
CX-5 4WD	35.1	[77229]	
(2.5L_w/ Cylinder Deactivation) S6			
CX-5 4WD (2.5L_T/C) S6	31.7	[21773]	
CX-5 4WD (2.2L) S6	38.9	[480]	[131671]
CX-9 2WD (2.5L_T/C) S6	32.5	[12016]	
CX-9 4WD (2.5L_T/C) S6	29.8	[20173]	

2-2-1-2. Application of air conditioning, off-cycle efficiency improvement technology, full-size pick-up trucks

Projected A/F efficiency credits: 0 megagrams Projected off-cycle technology credits: 122455 megagrams

ATTACHMENT II Exhibit II, Table 1 Page 1

2-2-2. By Vehicle Configuration

2	CONTRACTOR OF THE	100011255	·	8	36A	- 30352	ы. —	SAF	SAF	100000000000	19 22/2/2020	EMS	T	G	25.88			Constant of	PROL	PASS	CARGO	ROAD	876970	manna	TRACK	TRACK	TRACK	WHEEL	FOOT	FRNT	OPT	FON(#	1)
NO. CFG	VEHICLE CONFIGURATION	SALES	WC	LVW	ETW	SP (L)	CYL	NET	NET	CODE	FUEL SYS	CTL	RN	RS	D	NV	AXLE	FE	PROD	CARRY NG VOL (ft3)	VOL (ft3)	LOAD	SIZE	BASE	W DTH Front (in)	WIDTH Rear (in)	WIDTH (in)	BASE (in)	PRINT (ft ²)	AREA (ft²)	AC	A B S	PS
1	CX-5 4WD	50S	4000	3979	4000	2.5	4	139	187	8PYUDGAAA	DFI	(*1)	S	6	Y	33.7	4.624	35.2	37310	103.6	30.9	14.2	P225/65 R17	x	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	Y	Y
																33.3	4.624	35.1	39919	103.6	30.9	14.1	P225/55 R19		62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	Y	Y
2	CX-5 4WD	50S	4000	4125	4250	2.5 T/C	4	169	227	9PYTGLAA	DFI	(*3)	S	6	Y	31.5	4.411	31.7	21773	103.6	30.9	14.7	P225/55 R19	x	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	Y	Y
3	CX-5 4WD	50S	4000	4240	4250	22	4	125	168	8SHGAAA	DFI	(*2)	S	6	Y	31.8	4.411	38.9	480	103.6	30.9	14.7	P225/55 R19	x	62.8 ±1.0	62.8 ±1.0	62.8 ±1.0	106.2 ±1.0	46.3 ±1.2	28.0	Y	Y	Y
4	CX-9 2WD	50S	4500	4517	4500	2.5 T/C	4	169	227	7PYTSAAA	DFI	(*3)	S	6	Y	30.5	4.411	32.7	7553	134.9	14.3	14.6	P255/60 R18	x	65.3 ±1.0	65.2 ±1.0	65.2 ±1.0	115.3 ±1.0	52.2 ±1.2	30.4	Y	Y	Y
_											_					30.5	4.411	32.1	4463	134.9	14.3	15.5	P255/50 R20		65.3 ±1.0	65.2 ±1.0	65.2 ±1.0	115.3 ±1.0	52.2 ±1.2	30.4	Y	Y	Y
5	CX-9 4WD	50S	4500	4683	4750	2.5 T/C	4	169	227	7PYTGAAA	DFI	(*3)	S	6	Y	30.5	4.411	30.2	8313	134.9	14.3	15.7	P255/60 R18	x	65.3 ±1.0	65.2 ±1.0	65.2 ±1.0	115.3 ±1.0	52.2 ±1.2	30.4	Y	Y	Y
											a					30.5	4.411	29.6	11860	134.9	14.3	16.2	P255/50 R20		65.3 ±1.0	65.2 ±1.0	65.2 ±1.0	115.3 ±1.0	52.2 ±1.2	30.4	Y	Y	Y

(#1) AC: Air Contioning, ABS: Anti-lock Brake System, PS: Power Steering

(*1) TWD/WU-TWD/H2S/WR-H2S/DF. (*2) WU-00HWD/H30C/30F0/DF/O4C/T0/DF./EGFC/WR-H2S/NDKS/PM6/EGF/F005 (*3) TWD/WU-TWD/H2S/WR-H2S/DFI /O4C/T0/EGF/EGFC

3. Light Truck Vehicle Information by Vehicle Configuration

NO.	VEHICLE	TRANSPORT MORE	PROVIDE TEMPORARY		GRATER CARGO- CARRY NG THAN	PERMIT EXPANDED USE OF THE AUTOMOB LE FOR		6000 <gvwr< th=""><th>APPROACH</th><th>BREAKOVER</th><th>DEPARTURE</th><th>M N. RUNNING</th><th>AX CLEAF (c</th><th>(LE RANCE m)</th></gvwr<>	APPROACH	BREAKOVER	DEPARTURE	M N. RUNNING	AX CLEAF (c	(LE RANCE m)
CFG	CONFIGURATION	THAN 10 PERSONS	LIV NG QUARTERS	OPEN BED	PASSENGER- CARRY NG VOLUME	PURPOSES OR OTHER NON-PASSENGER- CARRY NG PURPOSES	(YES/NO)	(lb)	(deg)	(deg)	(deg)	CLEARANCE (cm)	Front	Rear
1	CX-5 2 5L S6 4x4	NO	NO	NO	NO	NO	YES	NO	17 0	15.4	22 5	20.9	23.4	24 8
2	CX-5 2 5L T/C S6 4x4	NO	NO	NO	NO	NO	YES	NO	17 0	15.4	22 5	20.9	23.4	24 8
3	CX-5 2 2L S6 4x4	NO	NO	NO	NO	NO	YES	NO	17 0	15.4	22 5	20.9	23 2	24 8
4	CX-9 2 5L T/C S6 4x2	NO	NO	NO	NO	YES	NO	NO	17 5	18 0	20 5	20.4	25 0	
5	CX-9 2 5L T/C S6 4x4	NO	NO	NO	NO	YES	YES	NO	17 5	18 0	20 5	20.4	25 0	25 3

4-1. Footprint Data Import Passenger Car, Light Truck

Category	Model Type Index	Carline MFR Code	Division Code	Carline Code	Carline Name	Basic Engine Index	Transmissio n Class Index	Transmissio n Class Name (e.g. M5, SIL, L6, etc)	Model Type Footprint Description: Mfr comments	Wheel base (inches rounded 1 decim al place)	Front Track Width (inches rounded to 1 decim al place)	Rear Track Width (inches rounded to 1 decimal place)	Avg Track Width (inches rounded to 1 decimal place)	Footprint (square feet rounded to one decimal place)	Footprint Projected Model Year Production Units	Footprint- base CO2 (gpm) target (round to 1 decimal place)	Footprint- base CO2 (gpm) target (unrounded)	Volum e x Footprint- base CO2 target	Model Type CREE	Volume x Model Type CREE	N2O Compliance Std (gpm) per § 86.1818- 12(f)(1) or (f)(3)	CH4 Compliance Std (gpm) per §86.1818- 12(f)(1) or (f)(3)	CO2 Equivalent Debits per § 86.1818- 12(f)(4) (rounded to whole megagram)	Footprint- base FE (mpg) target (round to 2 decim al places)	Footprint- base FE (mpg) target (unrounded)	Volume/Foot print-base FE target
PC_I	1	TKX	1	2	MAZDA2	1 5L Gasoline	201	M6 S L	P185/65R15	101.2	58 8	58.4	58.6	41.2	94	1	8	1	24	10		8		46.65	46 653	2.01500536
PC_I	2	ткх	1	2	MAZDA2	1 5L Gasoline	202	S6	P185/65R15	101.2	58 8	58.4	58.6	41.2	266	4							3	46.65	46 653	5.70203644
PC_I	3	ткх	1	50	MX-5 (Soft Top & RHT)	2 0L Gasoline	401	M6 S L	195/50R16	90 9	58 9	59.2	59.0	37.2	6,224	4							1	46.87	46.870	132.792831
PC_I	4	IKX	1	50	MX-5 (Soft Top & RHT)	2 UL Gasoline	402	S6	195/50R16	90.9	58.9	59.2	59.0	37.2	4,053	4							5	46.87	46 8/0	86.4732238
PC_I	5	TKX		3	CX-3 2WD (Fed)	2 UL Gasoline	102	50	P215/60R16	101.2	60.0	59.9	60.0	42.2	4,990	-					3	45.63	45 634	109.357879		
PC_I	7	TKX	-	4	CX-3 4WD (Call)	2 0L Gasoline	102	56	P215/60R16	101.2	60.0	59.9	60.0	42.2	8,880				2	45.63	45 634	194 60881				
PC I	8	ткх	1	4	CX-3 4WD (red)	2 0L Gasoline	103	S6	P215/60R16	101.2	60.0	59 9	60.0	42.2	10,767	1		1	45.63	45 634	235,963182					
PC_I	9	ткх	1	37	MAZDA3 4-Door 2WD	2.5L Gasoline w/o Cylinder Deactivation	305	S6	205/60R16	107.3	61.7	62.2	62.0	46.2	12,491			41.97	41 970	297.617346						
PC_I	10	ткх	1	37	MAZDA3 4-Door 2WD	2 5L Gasoline w/ Cylinder Deactivation	306	S6	205/60R16	107.3	61.7	62.2	62.0	46.2	3,247			41.97	41 970	77.3647844						
PC_I	11	ткх	1	39	MAZDA3 4-Door 4WD	2 5L Gasoline w/ Cylinder Deactivation	307	S6	205/60R16	107.3	61.7	62.2	62.0	46.2	4,980		2 1	41.97	41 970	118.656183						
PC_I	12	ткх	1	38	MAZDA3 5-Door 2WD	2 5L Gasoline w/ Cylinder Deactivation	308	M6SL	205/60R16	107.3	61.7	62.2	62.0	46.2	833				16	SD				41.97	41 970	19.8475101
PC_I	13	ткх	1	38	MAZDA3 5-Door 2WD	2 5L Gasoline w/ Cylinder Deactivation	309	S6	205/60R16	107.3	61.7	62.2	62.0	46.2	9,986								3	41.97	41 970	237.931856
PC_I	14	ткх	1	40	MAZDA3 5-Door 4WD	2 5L Gasoline w/ Cylinder Deactivation	310	S6	205/60R16	107.3	61.7	62.2	62.0	46.2	6,646									41.97	41 970	158.351203
PC_I	15	ткх	1	15	MAZDA6	2.5L Gasoline w/o Cylinder Deactivation	601	M6SL	P225/55R17	111.4	62.4	62.0	62.2	48.1	0									40.43	40.428	0
PC_I	16	ткх	1	15	MAZDA6	2 5L Gasoline w/ Cylinder Deactivation	603	S6	P225/55R17	111.4	62.4	62.0	62.2	48.1	5,642									40.43	40.428	139.549839
PC_I	17	TKX	1	15	MAZDA6	2.5L T/C Gasoline	604	S6	P225/55R17	111.4	62.4	62 0	62.2	48.1	5,586								1	40.43	40.428	138.164729
PC_I	18	ткх	1	15	MAZDA6	2.2L Diesel	605	S6	P225/55R17	111.4	62.4	62 0	62.2	48.1	0		3	40.43	40.428	0						
PC_I	19	ткх	1	55	CX-5 2WD	2 5L Gasoline w/ Cylinder Deactivation	504	S6	P225/65R17	106.2	62 8	62.8	62.8	46.3	62,705	1							8	41.89	41 886	1496.89663
PC_I	20	ТКХ	1	55	CX-5 2WD	2.5L T/C Gasoline	508	S6	P225/55R19	106.2	62 8	62.8	62.8	46.3	815	4	e e e e e e e e e e e e e e e e e e e	41.89	41 886	19.4557174						
PC_I	21	ткх	1	55	CX-5 2WD	2.2L Diesel	506	S6	P225/55R19	106.2	62 8	62.8	62.8	46.3	0	<u> </u>								41.89	41.886	0

CAFE Calculation

Category	Projected Model Year of al Production Un to		Footprint base Fleet Av.	FE Standard (mpg)		Min. FE Std (mpg)
Domestic PC	0	0	(rounded)	0.0000	(unrounded)	39.4
Import PC	154,255	42.8	(rounded)	42.8089	(unrounded)	N/A

Cate	gory Mod	I Carlin	e Division	Carline	Carline Name	Basic Engine Index	Transmissio	Transmissio	Model Type Footprint	Wheel base	Front Track	Rear Track	Avg Track	Footprint	Footprint	Footprint-	Footprint-	Volume x	Model Type	Volume x	N20	CH4	CO2	Footprint-	Footprint-	Volum e/Foot
	Туре	MFR	Code	Code	Inter pression context according	The subscreek benchment - 2001 met 1	n Class Index	n Class	Description: Mfr	(inches	Width	Width	Width	(square feet	Projected	base CO2	base CO2	Footprint-	CREE	Model Type	Compliance	Compliance	Equivalent	base FE	base FE	print-base FE
	Inde	Code						Name (e.g.	comments	rounded 1	(inches	(inches	(inches	rounded to	Model Year	(gpm) target	(gpm) target	base CO2		CREE	Std (gpm)	Std (gpm)	Debits per	(mpg) target	(mpg) target	target
								M5, SIL, L6,		decimal	rounded to	rounded to	rounded to	one decimal	Production	(round to 1	(unrounded)	target			per	per	\$ 86.1818-	(round to 2	(unrounded)	
								etc)		place)	1 decimal	1 decimal	1 decimal	place)	Units	decimal	Demostry of cond	0.000			§ 86.1818-	§86.1818-	12(f)(4)	de cim al	CCC Decrementer de	
											place)	place)	place)			place)					12(f)(1) or	12(f)(1) or	(rounded to	places)		
																					(f)(3)	(f)(3)	whole			
																					22000000	Constant av	megagram)			
	1	- 24	3					2				1									3			3		
			ili inser	in the second		2 5L Gasoline w/	1000			100.0				10.0						<u>.</u>	2	1.1	12	04.40		
1	T 1	ткх		56	CX-5 4WD	Cylinder Deactivation	505	S6	P225/65R17	106.2	62.8	62.8	62.8	46.3	77,229									34.48	34.483	2239.82019
1	T S	ткх	(A	56	CX-5 4WD	2.51 T/C Gasoline	509	56	P225/55R19	106.2	62.8	62.8	62.8	46.3	21 773				0	34 48	34 483	631 467517				
		TIC		50	01/5 (11/5		500	00	0000000000	400.0	02.0	02.0	02.0	10.0	400						0	01.10	01.100	40.0044407		
. I	1 2	IKX	6 1 -	56	CX-5 4WD	2.2L Diesel	507	S6	P225/55R19	106.2	62.8	62.8	62.8	46.3	480										34.483	13.9211137
1	T 4	TKX	1	9	CX-9 2WD	2.5L T/C Gasoline	901	S6	P225/60R18	115.3	65 3	65 2	65.2	52.2	12,016									31.15	31.147	385.746388
L	T 5	TKX	S 1	10	CX-9 4WD	2.5L T/C Gasoline	902	S6	P225/60R18	115.3	65 3	65.2	65.2	52.2	20,173				31.15	31.147	647.608347					

CAFE Calculation	1	-							
Category	Projected Model Year otal Production Units		Footprint base Fleet Av. FE Standard (mpg)						
Truck	131,671	33.6	(rounded)	33.6019	(unrounded)	N/A			

Fuel Economy Methodology Used in Projecting CAFE Values

Derived Fuel Economy Values

As provided for by 49 CFR §537.9 (a) (3), Mazda has used data substitutions where no EPA-approved or Mazda test results exist at the appropriate sub-configuration level for minimum test requirements. These values were derived from a base configuration (ETW), axle ratio, road load horsepower, etc., and engineering judgment.

Addendum to the Report

The information contained in this report is, to the best of Mazda's knowledge, accurate and complete. This report is filed subject to the following provisions:

Based on currently available information, we believe that the projected average fuel economy set forth in this report sufficiently represents Mazda Motor Corporation's average fuel economy for the 2019 model year. If changes in consumer demand or other unforeseen events cause a significant shift in Mazda's production/sales mix, Mazda reserves the right to adjust its projections accordingly.

CAFE Credits Balance Chart

Mazda

2019 Mid-MY Report

		Transaction	Category	Fleet Average Compliance Level				F	uel Consump	tion Improvement	l				
Date of Transaction	Model Year			Applicable Standards [A]	AFE (AFE _{adj} for PC category) [B] mile/gallon	Production Volume [C]	A/C Efficiency Credits	FCIV _{AC_Efficiency}	Off-Cycle Technology Credits	FCIV _{OC}	Full-Size Pickup Truck Credits	FCIV _{PU}	Total Fleet Average CAFE Credits / Deficits ([B]-[A])x[C]x10	Model Year Total CAFE Credits / Deficits Balance	Comment
2/20/2010		Famed	Car Import	27 5	32.6	54 862		ganon/mile					2 797 962	2 797 962	
(LCE-10/031) 4/13/2010 (LCE-10/036)	2009	Earned	Car_Domestic	27 5	30.4	39,502							1,145,616	1,145,616	Expire in 2014MY
		Earned	Truck	23.1	26.6	54,508							1,907,780	1,907,780	
0/00/00//		Earned	Car_Import	27 5	33.8	212,495							13,387,185	13,387,185	
3/30/2011 (LCE-11/043)	2010	Earned	Car_Domestic										0	0	Expire in 2015MY
(202 11/040)		Earned	Truck	23 5	26.7	98,444							3,150,208	3,150,208	
		Earned	Car_Import	30.7	33.8	181,202							5,617,262	5,617,262	
	2011	Earned	Car_Domestic	31.1	31.8	2,218							15,526	15,526	Expire in 2016MY
3/28/2012 (LCE-12/042)		Earned	Truck	25 6	24.7	33,692							-303,228	0	1
(202 12/042)	2009	Transfer	Truck										-303,228	1,604,552	Used for 2011MY LT Expire in 2014MY
		Earned	Car_Import	33 9	37.9	213,308							8,532,320	8,532,320	Expire in 2017MY
3/15/2013 (LCE-13/37) 2	2012	Earned	Car_Domestic										0	0	
		Earned	Truck	27 2	27.8	65,696							394,176	394,176	
8/1/2003	2012	Traded	Car_Import										1,210,000	7,322,320	Traded to Ford Motor Company PC. Expire in 2017MY
3/28/2014		Earned	Car_Import	34 8	39.4	164,862							7,583,652	7,583,652	
(LCE-14/035) 3/31/2014	2013	Earned	Car_Domestic										0	0	Expire in 2018MY
(LCE-14/041)		Earned	Truck	28.1	30.4	61,093							1,405,139	1,405,139	
4/17/2014	2012	Traded	Truck										394,176	0	Traded to Jaguar Land Rover LT. Expire in 2017MY
3/26/2015 (LCE-15/042)		Earned	Car_Import	34.4	41.5	217,333							15,430,643	15,430,643	
	2014	Earned	Car_Domestic										0	0	Expire in 2019MY
		Earned	Truck	28 9	31.4	78,826							1,970,650	1,970,650	
3/30/2016 (LCE-16/045) 20		Earned	Car_Import	35 5	41.9	207,100							13,254,400	13,254,400	
	2015	Earned	Car_Domestic										0	0	Expire in 2020MY
		Earned	Truck	30 0	31 6	78,793							1,260,688	1,260,688	

CAFE Credits Balance Chart

Mazda

2019 Mid-MY Report

		Transaction	Category	Fleet Average Compliance Level			Fuel Consumption Improvement								
Date of Transaction	Model Year			Applicable Standards [A]	AFE (AFE _{ad]} for PC category) [B]	Production Volume [C]	A/C Efficiency Credits		Off-Cycle Technology Credits	FCIV _{oc}	Full-Size Pickup Truck Credits	FCIV _{PU}	Total Fleet Average CAFE Credits / Deficits ([B]-[A])x[C]x10	Model Year Total CAFE Credits / Deficits Balance	al s Comment
				mile/gallon	mile/gallon	units	megagrams	gallon/mile	megagrams	gallon/mile	megagram	gallon/mile	-	-	
2/22/2017		Earned	Car_Import	37 3	42.1	305,635			<u> </u>				14,670,480	14,670,480	
3/22/2017 (LCE-17/049) 201	2016	Earned	Car_Domestic	Ŧ	-	-		-	-	-	-		0	0	Expire in 2021MY
(202		Earned	Truck	31.4	34.2	153,192	-		-	<u> </u>	-	<u></u> 2	4,289,376	4,289,376	
3/15/2018		Earned	Car_Import	39.4	40.4	182,534	-	-	6,337	0 000020006	-	<u>998</u> 7	1,825,340	1,825,340	
(LCE-18/043) 20 ⁻ 2/26/2019 (LCE-19/028)	2017	Earned	Car_Domestic	-	-	-		-		-	-	-	0	0	Expire in 2022MY
		Earned	Truck	32 3	33.8	74,414	-	-	8,137	0 000054476	-	र्गन्त ३	1,116,210	1,116,210	
		Earned	Car_Import	40 6	38.4	110,582	C	0.000000000	50,303	0 000262139			-2,432,804	0	
3/15/2019	2018	Earned	Car_Domestic	41 2	41.8	93,239	C	0.000000000	24781 0	0 000153159	-		559,434	559,434	Expire in 2023MY
(LCE-19/033) 4/22/2019		Earned	Truck	32 8	34.4	115,014	C	0.000000000	117,937	0 000510852	_		1,840,224	1,840,224	
(LCE-19/058)	2013	Transfer	Car_Import	-	-	-		_	-	-			-2,432,804	5,150,848	Used for 2018MY PC Expire in 2018MY
2019 (2019MY Mid CAFE Report Projected Values)		Earned	Car_Import	42 8	39.1	154,255	C	0.000000000	62,540	0 000233637	-		-5,707,435	0	Expire in 2024MY
	2019	Earned	Car_Domestic				-		<u></u>		-	- <u></u>	0	0	
		Earned	Truck	33 6	33.9	131,671	C	0.00000000	122,455	0 000463321	<u></u>		395,013	395,013	
	2014	Transfer	Car_Import			-	-	E.		-	-		-5,707,435	9,723,208	Used for 2019MY PC Expire in 2019MY

Total CAFE Credits Balance at the end of 2019MY (Passenger Car Import)	29,750,220
Total CAFE Credits Balance at the end of 2019MY (Passenger Car Domestic)	559,434
Total CAFE Credits Balance at the end of 2019MY (Truck)	8,901,511