



Office of the Chief Counsel
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
West Building, W41-227
Washington, DC 20590
U.S.A.

December 19, 2017
Ref. No. NH-17/36

RE: Request for [REDACTED] Treatment of Information Contained in Mazda Motor Corporation's 2018 Pre-Model Year Automotive Fuel Economy Report

Attached is the [REDACTED] version of Mazda Motor Corporation's (Mazda) 2018 Pre-Model Year Automotive Fuel Economy Report. In accordance with NHTSA's letter, NEF-210MHi, dated December 17, 2015, Mazda will no longer submit the non-[REDACTED] report to the NHTSA Administrator.

This report contains information for which Mazda requests [REDACTED] treatment. That information is identified within the report in accordance with 49 CFR §512.4 (a). Support for Mazda's claim of [REDACTED] is provided below in accordance with 49 CFR §512.4 (b).

The information designated as [REDACTED] consists of model-specific projections of sales mix or marketing for the 2018 model year. It is located in Attachment I, Exhibits I and II, Attachment II, Exhibits I and II, Attachment IV and Attachment VII. Mazda believes this information is entitled to [REDACTED] treatment under 5 USC §552 (b) (4) as incorporated by reference in and modified by 49 USC §32910 (c), as well as under 18 USC §1905. Furthermore, it is included within the scope of NHTSA's class determination identifying types of information that would presumptively result in significant competitive harm if disclosed to the public, 49 CFR §512, Appendix B.

To ensure that this information is not disclosed, computer access security controls are enforced within the Company. To the best of our knowledge, this information has not been disclosed or appeared publicly.

NHTSA and EPA have consistently held this type of information [REDACTED] NHTSA has made similar determinations with respect to the [REDACTED] information contained in Mazda's 2018 Mid-Model Year Report.

In addition to the above information, attached is the Certificate in Support of the Request for [REDACTED] as required by 49 CFR §512.4 (b).

Mazda requests that the sales and mix information be kept [REDACTED] until the termination of the production period for the model year vehicle to which the information pertains. As noted above, earlier disclosure of this type of information is presumed to result in significant competitive harm. In the event you believe that all or part of the designated information is not entitled to [REDACTED] treatment, we request that you contact us to provide reasonable notice of not less than twenty (20) working days prior to any contemplated disclosure so that we may have an opportunity to address the issue. Such notice should be directed to David Robertson of Mazda North American Operations at 202-467-5093.

If you have any questions or comments regarding this submission, please contact Mr. David Robertson of Mazda North American Operations at 202-467-5093. Thank you for your attention.

Sincerely yours,



Takashi Suzuki
General Manager
Environmental & Safety Engineering Department

CC: Mazda North American Operations - Wixom Center
Mazda North American Operations - Irvine R&D
Mazda North American Operations - Washington DC

Mazda Motor Corporation

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Certificate in Support of Request for [REDACTED]

I, Takashi Suzuki, pursuant to the provisions of 49 CFR part 512, state as follows:

(1) I am the General Manager of the Environmental and Safety Engineering Department of Mazda Motor Corporation and I am authorized by Mazda Motor Corporation to execute this certificate on its behalf;

(2) I certify that the information contained in Mazda Motor Corporation's Pre-Model Year Automotive Fuel Economy Report related to model-specific projections of sales mix or marketing for the 2018 model is [REDACTED] and proprietary data and is being submitted with the claim that it is entitled to [REDACTED] treatment under 5 U.S.C. 552(b)(4) (as incorporated by reference in and modified by the statute under which the information is being submitted);

(3) I hereby request that information contained in Mazda Motor Corporation's Pre-Model Year Automotive Fuel Economy Report related to model-specific projections of sales mix or marketing for the 2018 model be protected until **the termination of the production period for the model year vehicle to which the information pertains.**;

(4) This certification is based on the information provided by the responsible Mazda Motor Corporation personnel who have authority in the normal course of business to release the information for which a claim of [REDACTED] has been made to ascertain whether such information has ever been released outside Mazda Motor Corporation; (except as hereinafter specified);

(5) Based upon that information, to the best of my knowledge, information and belief, the information for which Mazda Motor Corporation has claimed [REDACTED] treatment has never been released or become available outside Mazda Motor Corporation;

(6) I make no representations beyond those contained in this certificate and, in particular, I make no representations as to whether this information may become available outside Mazda Motor Corporation because of unauthorized or inadvertent disclosure (except as stated in paragraph 5); and

(7) I certify under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

Executed on this the 19 day of December 2017.

Mazda Motor Corporation



Takashi Suzuki
General Manager
Environmental & Safety Engineering Department

Mazda Motor Corporation

2018 Pre-Model Year Automotive Fuel Economy Report

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Pre-Model Year Report for Model Year 2018

1. Information for the Passenger Automobiles

1-1. Projected Average Fuel Economy:

	Before Adjust	After Adjust (c=0.0014)	Rounded to 1 decimal place	MFR Projected Reformed CAFE Standard
Import CAFE	37.9701	38.2700	38.3	40.6
Domestic CAFE	41.3400	41.7641	41.8	41.2

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	[170]	[112,117]
MAZDA2 (1.5L) S6	48.8	[450]	
MX-5 (Soft Top & RHT) (2.0L) M6 SIL	40.2	[5,347]	
MX-5 (Soft Top & RHT) (2.0L) S6	39.6	[3,386]	
CX-3 2WD (2.0L) S6	42.5	[5,498]	
CX-3 4WD (2.0L) S6	38.8	[9,233]	
MAZDA6 (2.5L) M6 SIL	37.0	[922]	
MAZDA6 (2.5L_w/Cylinder Deactivation) S6	39.6	[17,521]	
MAZDA6 (2.5L_T/C) S6	35.3	[23,054]	
CX-5 2WD (2.5L) S6	37.1	[40,492]	
CX-5 2WD (2.2L) S6	42.5	[6,044]	

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

Not applicable.

1-2-1-3. Combined fuel economy and projected production volume for Domestic Carlines

Model Type	Combined Fuel Economy	Projected Production Volume	Total Production Volume
MAZDA3 4-Door (2.0L) M6 SIL	42.9	[2,643]	[135,886]
MAZDA3 4-Door (2.0L) S6	42.9	[33,832]	
MAZDA3 5-Door (2.0L) M6 SIL	42.2	[2,389]	
MAZDA3 5-Door (2.0L) S6	43.1	[7,645]	
MAZDA3 4-Door (2.5L) M6 SIL	38.5	[4,053]	
MAZDA3 4-Door (2.5L) S6	41.0	[47,577]	
MAZDA3 5-Door (2.5L) M6 SIL	37.4	[6,212]	
MAZDA3 5-Door (2.5L) S6	40.9	[31,535]	

1-2-1-4. Application of air conditioning, off-cycle efficiency improvement technology for Domestic Carlines

Not applicable.

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

NO. CFG	VEHICLE CONFIGURATION	SALES AREA	MVC	LVW	ETW	SP (L)	CYL	SAE NET KW	SAE NET HP	ENGINE CODE	FUEL SYS	EMS CTL SYS	T R N	G R S	O D	NV	AXLE	COMB FE	PRQJ PROD VOL	INT VOL (ft³)	BODY STYLE (#2)	ROAD LOAD HP	TIRE SIZE	BASE TIRE	TRACK WIDTH Front (in)	TRACK WIDTH Rear (in)	TRACK WIDTH (in)	WHEEL BASE (in)	FOOT PRINT (ft²)	FRNT AREA (ft²)	OPTION(#1)		
																															A	B	P
1	MAZDA2	50S	2500	2630	2625	1.5	4	79	106	6P5V3AAB	DFI	(*1)	M	6	Y	37.6	4.105	47.1	170	102.6	5HB	10.2	P185/65 R15	x	58.8 ±1.0	58.4 ±1.0	58.6 ±1.0	101.2 ±1.0	41.2 ±1.2	23.2	Y	Y	Y
2	MAZDA2	50S	2500	2677	2625	1.5	4	79	106	7P5V3AAA	DFI	(*1)	S	6	Y	32.2	3.824	48.8	450	102.6	5HB	9.7	P185/65 R15	x	58.8 ±1.0	58.4 ±1.0	58.6 ±1.0	101.2 ±1.0	41.2 ±1.2	23.2	Y	Y	Y
3	MX-5 W/S/L	50S	2500	2635	2625	2.0	4	116	155	7PE3FAA	DFI	(*1)	M	6	N	41.9	2.866	40.0	2508	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	40.3	2839	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/S/L	50S	2750	2747	2750	2.0	4	116	155	7PE3FA1	DFI	(*1)	M	6	N	40.9	2.866	40.3	2839	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
																29.4	3.454	39.8	1321	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
5	MX-5	50S	2750	2679	2750	2.0	4	116	155	7PESFAA	DFI	(*1)	S	6	Y	28.7	3.454			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	Y	Y	Y
																28.7	3.454	39.5	2065	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
6	MX-5	50S	2750	2791	2750	2.0	4	116	155	7PESFA1	DFI	(*1)	S	6	Y	34.3	4.325	42.5	5498	103.6	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	Y	Y	Y
																33.8	4.325			103.6	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	Y
7	CX-3 2WD	50S	3000	3140	3125	2.0	4	109	146	6PESAAA	DFI	(*1)	S	6	Y	34.3	4.325	38.8	9233	103.6	5WGN	13.0	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	Y	Y	Y
																33.8	4.325			103.6	5WGN	13.0	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	Y
8	CX-3 4WD	50S	3000	3281	3250	2.0	4	109	146	6PEGAAA	DFI	(*1)	S	6	Y	38.1	4.105	37.0	922	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
																29.5	3.812	39.8	5994	114.6	SDN	11.2	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
9	MAZDA6 W/S/L	50S	3500	3626	3625	2.5	4	139	187	8PYU3FAA	DFI	(*1)	M	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
																31.5	4.090	35.3	23054	114.6	SDN	12.0	P225/45 R19	x	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
10	MAZDA6	50S	3500	3727	3750	2.5	4	139	187	8PYUDSFAA	DFI	(*1)	S	6	Y	29.3	3.812	39.5	11527	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
																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	MAZDA6	50S	4000	3860	3875	2.5 T/C	4	169	227	8PYTSFAA	DFI	(*3)	S	6	Y	31.5	4.090	35.3	23054	114.6	SDN	12.0	P225/45 R19	x	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
																31.2	4.325	37.1	30218	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
12	CX-5 2WD	50S	4000	3863	3875	2.5	4	139	187	8PYUDSAA	DFI	(*1)	S	6	Y	31.5	4.325	37.1	10274	134.5	5WGN	13.4	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
																31.2	4.325	37.1	30218	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
13	CX-5 2WD	50S	4000	4063	4000	2.2	4	130	174	8SHSAAA	DFI	(*2)	S	6	Y	31.8	4.411	42.5	6044	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	46.3 ±1.2	28.0	Y	Y	Y
																31.8	4.411	42.5	6044	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	46.3 ±1.2	28.0	Y	Y	Y

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

(*1) TWC/WU-TWC/HO2S/WR-HO2S/DFI
(*2) WU-OC+MAC/NH3OC/SCRC/DPF/CAC/TC/DFI/EGRC/WR-HO2S/NOXS/PMS/EGR/RDGS
(*3) TWC/WU-TWC/HO2S/WR-HO2S/DFI/CAC/TC/EGR/EGRC

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

NO. CFG	VEHICLE CONFIGURATION	SALES AREA	IWC	LWV	ETW	SP (L)	CYL	SAE NET KW	SAE NET HP	ENGINE CODE	FUEL SYS	EMS CTL SYS	T R N	G R S	O D	NVV	AXLE	COMB FE	PROJ PROD VOL	INT VOL (ft³)	BODY STYLE	ROAD LOAD HP	TIRE SIZE	BASE TIRE	TRACK	TRACK	TRACK	WHEEL	FOOT	FRNT	OPTION(#1)		
																									WIDTH Front (in)	WIDTH Rear (in)	WIDTH (in)	BASE (in)	PRNT (ft²)	AREA (ft²)	A C	A B S	P S
1	MAZDA3 4-Door	50S	3000	3212	3250	2.0	4	116	155	7PE3AAB	DFI	(*)	M	6	Y	35.4	3.850	42.9	29	108.7	SDN	10.8	P205/60 R16	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
																35.4	3.850	41.7	0	108.7	SDN	11.1	215/45 R18		61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
2	MAZDA3 4-Door	50S	3000	3212	3250	2.0	4	116	155	7PE3ABB	DFI	(*)	M	6	Y	35.4	3.850	42.9	2614	108.7	SDN	10.8	P205/60 R16	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
																35.4	3.850	41.7	0	108.7	SDN	11.1	215/45 R18		61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
3	MAZDA3 4-Door	50S	3000	3279	3250	2.0	4	116	155	7PESAAA	DFI	(*)	S	6	Y	29.1	3.591	42.9	372	108.7	SDN	10.6	P205/60 R16	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
																29.1	3.591	43.7	0	108.7	SDN	11.1	215/45 R18		61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
4	MAZDA3 4-Door	50S	3000	3279	3250	2.0	4	116	155	7PESABA	DFI	(*)	S	6	Y	29.1	3.591	42.9	33460	108.7	SDN	10.6	P205/60 R16	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
																29.1	3.591	43.7	0	108.7	SDN	11.1	215/45 R18		61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
5	MAZDA3 5-Door W/SL	50S	3000	3199	3250	2.0	4	116	155	7PE3AAB	DFI	(*)	M	6	Y	35.4	3.850	42.2	33	118.0	5HB	11.0	P205/60 R16	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
																35.4	3.850	41.9	0	118.0	5HB	11.3	215/45 R18		61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
6	MAZDA3 5-Door W/SL	50S	3000	3199	3250	2.0	4	116	155	7PE3ABB	DFI	(*)	M	6	Y	35.4	3.850	42.2	2358	118.0	5HB	11.0	P205/60 R16	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
																35.4	3.850	41.9	0	118.0	5HB	11.3	215/45 R18		61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
7	MAZDA3 5-Door	50S	3000	3264	3250	2.0	4	116	155	7PESAAA	DFI	(*)	S	6	Y	29.1	3.591	43.1	104	118.0	5HB	10.9	P205/60 R16	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
																29.1	3.591	42.5	0	118.0	5HB	11.3	215/45 R18		61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
8	MAZDA3 5-Door	50S	3000	3264	3250	2.0	4	116	155	7PESABA	DFI	(*)	S	6	Y	29.1	3.591	43.1	7541	118.0	5HB	10.9	P205/60 R16	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
																29.1	3.591	42.5	0	118.0	5HB	11.3	215/45 R18		61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
9	MAZDA3 4-Door W/SL	50S	3500	3322	3375	2.5	4	137	184	7PY3FAA	DFI	(*)	M	6	Y	35.4	3.850	38.5	45	108.7	SDN	11.2	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
10	MAZDA3 4-Door W/SL	50S	3500	3322	3375	2.5	4	137	184	7PY3FBA	DFI	(*)	M	6	Y	35.4	3.850	38.5	4008	108.7	SDN	11.2	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
11	Mazda3 4-Door	50S	3500	3404	3375	2.5	4	137	184	7PYSAAA	DFI	(*)	S	6	Y	27.4	3.389	41.0	524	108.7	SDN	11.1	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
12	MAZDA3 4-Door	50S	3500	3404	3375	2.5	4	137	184	7PYSACA	DFI	(*)	S	6	Y	27.4	3.389	41.0	47053	108.7	SDN	11.1	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
13	MAZDA3 4-Door W/ELOOP	50S	3500	3404	3375	2.5	4	137	184	7PYSAAB	DFI	(*)	S	6	Y	27.4	3.389	42.5	0	108.7	SDN	10.9	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
14	MAZDA3 5-Door W/SL	50S	3500	3346	3375	2.5	4	137	184	7PY3FAA	DFI	(*)	M	6	Y	35.4	3.850	37.4	85	118.0	5HB	11.5	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
15	MAZDA3 5-Door W/SL	50S	3500	3346	3375	2.5	4	137	184	7PY3FBA	DFI	(*)	M	6	Y	35.4	3.850	37.4	6127	118.0	5HB	11.5	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
16	MAZDA3 5-Door	50S	3500	3410	3375	2.5	4	137	184	7PYSAAA	DFI	(*)	S	6	Y	27.4	3.389	40.9	430	118.0	5HB	11.3	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
17	MAZDA3 5-Door	50S	3500	3410	3375	2.5	4	137	184	7PYSACA	DFI	(*)	S	6	Y	27.4	3.389	40.9	31105	118.0	5HB	11.3	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y
18	MAZDA3 5-Door W/ELOOP	50S	3500	3410	3375	2.5	4	137	184	7PYSAAB	DFI	(*)	S	6	Y	27.4	3.389	41.3	0	118.0	5HB	11.2	215/45 R18	x	61.3 ±1.0	61.3 ±1.0	61.3 ±1.0	106.3 ±1.0	45.3 ±1.2	24.3	Y	Y	Y

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

(*) TWC/WU-TWC/HO2S/WR-HO2S/DFI

2. Information for the Non-passenger Automobiles

2-1. Projected Average Fuel Economy

	Rounded to 4 decimal place	Rounded to 1 decimal place	MFR Projected Reformed CAFE Standard
Truck CAFE	33.8375	33.8	32.7

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 (2.5L) S6	35.1	[68,294]	[106,989]
CX-5 4WD (2.2L) S6	39.5	[6,044]	
CX-9 2WD (2.5L_T/C) S6	32.4	[12,081]	
CX-9 4WD (2.5L_T/C) S6	29.8	[20,570]	

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

Not applicable.

2-2-2. By Vehicle Configuration

NO. CFG	VEHICLE CONFIGURATION	SALES AREA	MC	LVW	ETW	SP (L)	CYL	SAE NET KW	SAE NET HP	ENGINE CODE	FUEL SYS	EMS CTL SYS	T R N	G R S	O D	NV	AXLE	COMB FE	PROJ PROD VOL	PASS CARRYING VOL (FD)	CARGO CARRYING VOL (FD)	ROAD LOAD HP	TIRE SIZE	BASE TIRE	TRACK WIDTH Front (in)	TRACK WIDTH Rear (in)	TRACK WIDTH (in)	WHEEL BASE (in)	FOOT PRINT (ft ²)	FRNT AREA (ft ²)	OPTION(#1)		
																															A C	A B S	P S
1	CX-5 4WD	50S	4000	3993	4000	2.5	4	139	187	8PYUDGAA	DFI	(*1)	S	6	Y	33.7	4.624	35.2	10879	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	57415	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	4213	4250	2.2	4	130	174	8SHGAAA	DFI	(*2)	S	6	Y	31.8	4.411	39.5	6044	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-9 2WD	50S	4500	4466	4500	2.5 T/C	4	169	227	7PYTSAAA	DFI	(*3)	S	6	Y	30.5	4.411	32.7	7183	135.0	14.4	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	4898	135.0	14.4	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
4	CX-9 4WD	50S	4500	4661	4750	2.5 T/C	4	169	227	7PYTGAAA	DFI	(*3)	S	6	Y	30.5	4.411	30.2	7836	135.0	14.4	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
																30.5	4.411	29.6	12734	135.0	14.4	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 Conditioning, ABS: Anti-lock Brake System, PS: Power Steering

(*1) TWC/WU-TWC/HQ2S/WR-HQ2S/DFI

(*2) WU-OC+NAC/NH30C/SCRC/DPF/CAC/TC/DFI/EGRC/WR-HQ2S/NOXS/PMS/EGR/RODS

(*3) TWC/WU-TWC/HQ2S/WR-HQ2S/DFI/CAC/TC/EGR/EGRC

3. Light Truck Vehicle Information by Vehicle Configuration

NO. CFG	VEHICLE CONFIGURATION	TRANSPORT MORE THAN 10 PERSONS	PROVIDE TEMPORARY LIVING QUARTERS	TRANSPORT PROPERTY ON AN OPEN BED	GRATER CARGO-CARRYING THAN PASSENGER-CARRYING VOLUME	PERMIT EXPANDED USE OF THE AUTOMOBILE FOR CARGO-CARRYING PURPOSES OR OTHER NON-PASSENGER-CARRYING PURPOSES	EXISTENCE OF 4-WHEEL DRIVE (YES/NO)	6000 < GVWR (lb)	APPROACH ANGLE (deg)	BREAKOVER ANGLE (deg)	DEPARTURE ANGLE (deg)	MIN. RUNNING CLEARANCE (cm)	AXLE 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 2.2L S6 4x4	NO	NO	NO	NO	NO	YES	NO	17.0	15.4	22.5	20.9	23.2	24.8
3	CX-9 2.5L S6 4x2	NO	NO	NO	NO	YES	NO	NO	17.5	18.0	20.5	20.4	25.0	—
4	CX-9 2.5L 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 / Domestic Passenger Car, Light Truck

Category	Model Type Index	Carline MFR Code	Division Code	Carline Code	Carline Name	Basic Engine Index	Transmission Class Index	Transmission Name (e.g. M5, SL, L6, etc...)	Model Type Description: Mfr comments	Wheel base (inches rounded 1 decimal place)	Front Track Width (inches rounded to 1 decimal 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)	Volume 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)	GH4 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 decimal places)	Footprint-base FE (mpg) target (unrounded)	Volume/Footprint-base FE target
PC_D	1	TRX	1	37	MAZDA3 4-Door	2.0L Gasoline	3	M6 SL	P205/60R16	106.3	61.3	61.3	61.3	45.3	2,643									41.23	41.233	64.1038079
PC_D	2	TRX	1	37	MAZDA3 4-Door	2.0L Gasoline	4	S6	P205/60R16	106.3	61.3	61.3	61.3	45.3	33,832									41.23	41.233	820.567548
PC_D	3	TRX	1	38	MAZDA3 5-Door	2.0L Gasoline	5	M6 SL	P205/60R16	106.3	61.3	61.3	61.3	45.3	2,389									41.23	41.233	57.9432452
PC_D	4	TRX	1	38	MAZDA3 5-Door	2.0L Gasoline	6	S6	P205/60R16	106.3	61.3	61.3	61.3	45.3	7,645									41.23	41.233	185.423236
PC_D	5	TRX	1	37	MAZDA3 4-Door	2.5L Gasoline	190	M6 SL	215/45R18	106.3	61.3	61.3	61.3	45.3	4,053									41.23	41.233	98.3022071
PC_D	6	TRX	1	37	MAZDA3 4-Door	2.5L Gasoline	7	S6	215/45R18	106.3	61.3	61.3	61.3	45.3	47,577									41.23	41.233	1153.9413
PC_D	7	TRX	1	38	MAZDA3 5-Door	2.5L Gasoline	190	M6 SL	215/45R18	106.3	61.3	61.3	61.3	45.3	6,212									41.23	41.233	150.86699
PC_D	8	TRX	1	38	MAZDA3 5-Door	2.5L Gasoline	8	S6	215/45R18	106.3	61.3	61.3	61.3	45.3	31,535									41.23	41.233	764.855688
PC_J	1	TRX	1	2	MAZDA2	1.5L Gasoline	1	M6	P185/65R15	101.2	58.8	58.4	58.6	41.2	170									45.00	45.002	3.7777778
PC_J	2	TRX	1	2	MAZDA2	1.5L Gasoline	2	S6	P185/65R15	101.2	58.8	58.4	58.6	41.2	450									45.00	45.002	10
PC_J	3	TRX	1	50	MX5 (Soft Top & RHT)	2.0L Gasoline	13	M6 SIL	195/50R16	90.9	58.9	59.2	59.0	37.2	5,347									45.21	45.210	118.270294
PC_J	4	TRX	1	50	MX5 (Soft Top & RHT)	2.0L Gasoline	14	S6	195/50R16	90.9	58.9	59.2	59.0	37.2	3,386									45.21	45.210	74.894937
PC_J	5	TRX	1	3	CX-3 2WD	2.0L Gasoline	8	S6	P215/60R16	101.2	60.0	59.9	60.0	42.2	5,498									44.02	44.020	124.897747
PC_J	6	TRX	1	4	CX-3 4WD	2.0L Gasoline	18	S6	P215/60R16	101.2	60.0	59.9	60.0	42.2	9,233									44.02	44.020	209.74557
PC_J	7	TRX	1	15	MAZDA6	2.5L Gasoline	190	M6 SIL	P225/55R17	111.4	62.4	62.0	62.2	48.1	922									39.00	39.002	23.6410256
PC_J	8	TRX	1	15	MAZDA6	2.5L Gasoline w/ Cylinder Deactivation	190	S6	P225/55R17	111.4	62.4	62.0	62.2	48.1	17,521									39.00	39.002	449.25641
PC_J	9	TRX	1	15	MAZDA6	2.5L T/C Gasoline	190	S6	P225/55R17	111.4	62.8	62.4	62.6	48.4	23,054									38.78	38.777	594.481692
PC_J	11	TRX	1	55	CX-5 2WD	2.5L Gasoline w/ Cylinder Deactivation	19	S6	P225/65R17	106.2	62.8	62.8	62.8	46.3	40,492									40.41	40.407	1002.0292
PC_J	12	TRX	1	55	CX-5 2WD	2.2L Diesel	190	S6	P225/65R17	106.2	62.8	62.8	62.8	46.3	8,044									40.41	40.407	149.586939

TBD

Category	Projected Model Year Total Production Units	Footprint base Fleet Av. FE Standard (mpg)	Min. FE Std (mpg)
Domestic PC	135,886	41.2 (rounded)	41.2300 (unrounded)
Import PC	112,117	40.6 (rounded)	40.6138 (unrounded)

Category	Model Type Index	Carline MFR Code	Division Code	Carline Code	Carline Name	Basic Engine Index	Transmission Class Index	Transmission Name (e.g. M5, SL, L6, etc...)	Model Type Description: Mfr comments	Wheel base (inches rounded 1 decimal place)	Front Track Width (inches rounded to 1 decimal 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)	Volume 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)	GH4 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 decimal places)	Footprint-base FE (mpg) target (unrounded)	Volume/Footprint-base FE target
LT	1	TRX	1	56	CX-5 4WD	2.5L Gasoline w/ Cylinder Deactivation	19	S6	P225/65R17	106.2	62.8	62.8	62.8	46.3	68,294									33.78	33.779	2021.72883
LT	2	TRX	1	56	CX-5 4WD	2.2L Diesel	190	S6	P225/65R17	106.2	62.8	62.8	62.8	46.3	6,044									33.78	33.779	178.922439
LT	3	TRX	1	9	CX-9 2WD	2.5L T/C Gasoline	11	S6	P205/60R18	115.3	65.3	65.2	65.2	52.2	12,081									30.52	30.520	395.836794
LT	4	TRX	1	10	CX-9 4WD	2.5L T/C Gasoline	12	S6	P205/60R18	115.3	65.3	65.2	65.2	52.2	20,570									30.52	30.520	673.984273

TBD

Category	Projected Model Year Total Production Units	Footprint base Fleet Av. FE Standard (mpg)	Min. FE Std (mpg)
Truck	106,989	32.7 (rounded)	32.7136 (unrounded)

information bracketed []

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 2018 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.

Passenger Car and Light Truck CAFE Credits/Debits Summary

Passenger Car (Import)

MY	CAFE Value	CAFE Std	Production Volume	MY Credit Credits Excess or (Shortfall)	Intended Action	MY Credit Balance Excess or (Shortfall)
2009	32.6	27.5	54,862	2,797,962	---	2,797,962
2010	33.8	27.5	212,495	13,387,185	---	13,387,185
2011	33.8	30.7	181,202	5,617,262	---	5,617,262
2012	37.9	33.9	213,308	8,532,320	1,210,000 credits were transferred to Ford. 125,655 credits are used to offset 2017MY debits	7,196,665
2013	39.4	34.8	164,862	7,583,652	2578691 credits are used to offset 2018MY debits	5,004,961
2014	41.5	34.4	217,333	15,430,643	2,797,962 credits from 2009MY is expired by the end of 2014MY	15,430,643
2015	41.9	35.5	207,100	13,254,400	13,387,185 credits from 2010MY is expired by the end of 2015MY	13,254,400
2016	42.1	37.3	305,635	14,670,480	5,617,262 credits from 2011MY is expired by the end of 2016MY	14,670,480
2017 (2017MY Mid CAFE Report Projected Values)	39.0	39.1	125,655	-125,655	2017MY debits are offset by 2012MY credits and the remaining 2012MY credits (8,532,320-1,210,000-125,655) are expired by the end of 2017MY	0
2018 (2018MY Pre CAFE Report Projected Values)	38.3	40.6	112,117	-2,578,691	2018MY debits are offset by 2013MY credits and the remaining 2013MY credits (7,583,652-2,578,691) are expired by the end of 2018MY	0

Projected Total Credits at the end of 2018MY **43,355,523**

Passenger Car (Domestic)

MY	CAFE Value	CAFE Std	Production Volume	MY Credit Credits Excess or (Shortfall)	Intended Action	MY Credit Balance Excess or (Shortfall)
2009	30.4	27.5	39,504	1,145,616	---	1,145,616
2010	n/a	n/a	0	0	---	0
2011	31.8	31.1	2,218	15,526	---	15,526
2012	n/a	n/a	0	0	---	0
2013	n/a	n/a	0	0	---	0
2014	n/a	n/a	0	0	1,145,616 credits from 2009MY is expired by the end of 2014MY	0
2015	n/a	n/a	0	0	---	0
2016	n/a	n/a	0	0	15,526 credits from 2011MY is expired by the end of 2016MY	0
2017 (2017MY Mid CAFE Report Projected Values)	42.7	39.8	72,303	2,096,787	---	2,096,787
2018 (2018MY Pre CAFE Report Projected Values)	41.8	41.2	135,886	815,316	---	815,316

Projected Total Credits at the end of 2018MY **2,912,103**

Truck

MY	CAFE Value	CAFE Std	Production Volume	MY Credit Credits Excess or (Shortfall)	Intended Action	MY Credit Balance Excess or (Shortfall)
2009	26.6	23.1	54,508	1,907,780	---	1,604,552
2010	26.7	23.5	98,444	3,150,208	---	3,150,208
2011	24.7	25.6	33,692	-303,228	2011MY debits are offset by 2009MY credits.	0
2012	27.8	27.2	65,696	394,176	394,176 credits were transferred to Jaguar Land Rover.	0
2013	30.4	28.1	61,093	1,405,139	---	1,405,139
2014	31.4	28.9	78,826	1,970,650	1,604,552 credits from 2009MY is expired by the end of 2014MY	1,970,650
2015	31.6	30.0	78,793	1,260,688	3,150,208 credits from 2010MY is expired by the end of 2015MY	1,260,688
2016	34.2	31.4	153,192	4,289,376	---	4,289,376
2017 (2017MY Mid CAFE Report Projected Values)	33.9	32.3	73,357	1,173,712	---	1,173,712
2018 (2018MY Pre CAFE Report Projected Values)	33.8	32.7	106,989	1,176,879	1,405,139 credits from 2013MY is expired by the end of 2018MY	1,176,879

Projected Total Credits at the end of 2018MY **9,871,305**