

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] | [154255] |
| 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] | |
| 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 (2.5L_w/ Cylinder Deactivation) S6 | 39.8 | [5642] | |
| MAZDA6 (2.5L_T/C) S6 | 35.3 | [5586] | |
| CX-5 2WD (2.5L_w/ Cylinder Deactivation) S6 | 37.1 | [62705] | |
| 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

| NO. CFG | VEHICLE CONFIGURATION | SALES AREA | IWC | 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 | INT VOL (ft³) | BODY STYLE | ROAD LOAD HP | TIRE SIZE | BASE TIRE | TRACK | | | WHEEL BASE (in) | FOOT PRINT (ft²) | FRNT AREA (ft²) | OPTION(#1) | | |
|---------|-----------------------|------------|------|------|------|---------|-----|------------|------------|-------------|----------|-------------|-------|-------|-----|------|-------|---------|---------------|---------------|------------|--------------|-------------|-----------|----------------|---------------|-----------|-----------------|------------------|-----------------|------------|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | WTH Front (in) | WTH Rear (in) | WTH (in) | | | | A | B | P |
| 20 | MAZDA6 W SIL | 50S | 3500 | 3660 | 3625 | 2.5 | 4 | 139 | 187 | 8PYU3FAA | DFI | (*1) | M | 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 |
| | | | | | | | | | | | | | | | | 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 TIC | 4 | 169 | 227 | 8PYTSFAA | DFI | (*3) | S | 6 | Y | 31.7 | 4.090 | 35.6 | 0 | 114.6 | SDN | 11.8 | 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 |
| | | | | | | | | | | | | | | | | 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 | 4146 | 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 |
| | | | | | | | | | | | | | | | | 31.2 | 4.325 | 37.1 | 40357 | 134.5 | SWGN | 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 |
| 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 | 22348 | 134.5 | SWGN | 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 |
| | | | | | | | | | | | | | | | | 31.2 | 4.325 | 37.1 | 22348 | 134.5 | SWGN | 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 TIC | 4 | 169 | 227 | 8PYTSLAA | DFI | (*3) | S | 6 | Y | 31.8 | 4.411 | 33.3 | 815 | 134.5 | SWGN | 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 |
| 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 | SWGN | 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 Contioning, ABS Anti-lock Brake System, PS Power Steering

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

(*2)WU-OC+NAC/NH3OC/SCRC/DPF/CAC/TC/DFIEGRC/WR-HO2S/NOXS/PMS/EGR/RDQS

(*3)TWC/WU-TWC/HO2S/WR-HO2S/DFI/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 (2.5L_w/ Cylinder Deactivation) S6 | 35.1 | [77229] | [131671] |
| CX-5 4WD (2.5L_T/C) S6 | 31.7 | [21773] | |
| CX-5 4WD (2.2L) S6 | 38.9 | [480] | |
| 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

2-2-2. By Vehicle Configuration

| NO. CFG | VEHICLE CONFIGURATION | SALES AREA | MC | 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 | NV | AXLE | COMB FE | PROJ PROD VOL | PASS CARRYING VOL (RS) | CARGO CARRYING VOL (RS) | ROAD LOAD HP | T RE SIZE | BASE TRE | TRACK WIDTH Front (in) | TRACK WIDTH Rear (in) | TRACK WIDTH (in) | WHEEL BASE (in) | FOOT PRINT (ft²) | FRONT AREA (ft²) | OPTION(#1) | | |
|---------|-----------------------|------------|------|------|------|---------|-----|------------|------------|-------------|----------|-------------|-------|-------|-----|------|-------|---------|---------------|------------------------|-------------------------|--------------|-------------|----------|------------------------|-----------------------|------------------|-----------------|------------------|------------------|------------|-------|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | A C | A B S | P S |
| 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 | 108.2 ±1.0 | 46.3 ±1.2 | 28.0 | Y | Y | Y |
| | | | | | | | | | | | | | | | | 33.3 | 4.624 | 35.1 | 39919 | 103.6 | 30.9 | 14.1 | P225/65 R19 | | 62.8 ±1.0 | 62.8 ±1.0 | 62.8 ±1.0 | 108.2 ±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 | P225/65 R19 | x | 62.8 ±1.0 | 62.8 ±1.0 | 62.8 ±1.0 | 108.2 ±1.0 | 46.3 ±1.2 | 28.0 | Y | Y | Y |
| 3 | CX-5 4WD | 50S | 4000 | 4240 | 4250 | 2.2 | 4 | 125 | 168 | 8SHGAAA | DFI | (*2) | S | 6 | Y | 31.8 | 4.411 | 38.9 | 480 | 103.6 | 30.9 | 14.7 | P225/65 R19 | x | 62.8 ±1.0 | 62.8 ±1.0 | 62.8 ±1.0 | 108.2 ±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 | 7PYTAAAA | 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 | P255/60 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 |
| | | | | | | | | | | | | | | | | 30.5 | 4.411 | 29.6 | 11860 | 134.9 | 14.3 | 16.2 | P255/60 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) T/C/WU-T/C/HCS/WR-HCS/DFI
 (*2) WU-CD/NAD/NH600/SORC/DFI/OAC/TO/DFI/EGRC/WR-HCS/NXIS/PM6/EGP/RODS
 (*3) T/C/WU-T/C/HCS/WR-HCS/DFI/OAC/TO/EGP/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 2.5L 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 | Transmission Class Index | Transmission Class Name (e.g. M5, S1L, L6, etc...) | Model Type Footprint 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) | 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 decimal places) | Footprint-base FE (mpg) target (unrounded) | Volume/Footprint-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 | | | | | | | | | 46.65 | 46.653 | 2.01500536 |
| PC_I | 2 | TKX | 1 | 2 | MAZDA2 | 1.5L Gasoline | 202 | S6 | P185/65R15 | 101.2 | 58.8 | 58.4 | 58.6 | 41.2 | 266 | | | | | | | | | 46.65 | 46.653 | 5.70203644 |
| PC_I | 3 | TKX | 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 | | | | | | | | | 46.87 | 46.870 | 132.792831 |
| PC_I | 4 | TKX | 1 | 50 | MX-5 (Soft Top & RHT) | 2.0L Gasoline | 402 | S6 | 195/50R16 | 90.9 | 58.9 | 59.2 | 59.0 | 37.2 | 4,053 | | | | | | | | | 46.87 | 46.870 | 86.4732238 |
| PC_I | 5 | TKX | 1 | 3 | CX-3 2WD (Fed) | 2.0L Gasoline | 102 | S6 | P215/60R16 | 101.2 | 60.0 | 59.9 | 60.0 | 42.2 | 4,990 | | | | | | | | | 45.63 | 45.634 | 109.357879 |
| PC_I | 6 | TKX | 1 | 3 | CX-3 2WD (Calif) | 2.0L Gasoline | 102 | S6 | P215/60R16 | 101.2 | 60.0 | 59.9 | 60.0 | 42.2 | 6,050 | | | | | | | | | 45.63 | 45.634 | 132.58821 |
| PC_I | 7 | TKX | 1 | 4 | CX-3 4WD (Fed) | 2.0L Gasoline | 103 | S6 | P215/60R16 | 101.2 | 60.0 | 59.9 | 60.0 | 42.2 | 8,880 | | | | | | | | | 45.63 | 45.634 | 194.60881 |
| PC_I | 8 | TKX | 1 | 4 | CX-3 4WD (Calif) | 2.0L Gasoline | 103 | S6 | P215/60R16 | 101.2 | 60.0 | 59.9 | 60.0 | 42.2 | 10,767 | | | | | | | | | 45.63 | 45.634 | 235.963182 |
| PC_I | 9 | TKX | 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 | TKX | 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 | TKX | 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 | | | | | | | | | 41.97 | 41.970 | 118.656183 |
| PC_I | 12 | TKX | 1 | 38 | MAZDA3 5-Door 2WD | 2.5L Gasoline w/ Cylinder Deactivation | 308 | M6 S L | 205/60R16 | 107.3 | 61.7 | 62.2 | 62.0 | 46.2 | 833 | | | | | | | | | 41.97 | 41.970 | 19.8475101 |
| PC_I | 13 | TKX | 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 | | | | | | | | | 41.97 | 41.970 | 237.931856 |
| PC_I | 14 | TKX | 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 | TKX | 1 | 15 | MAZDA6 | 2.5L Gasoline w/o Cylinder Deactivation | 601 | M6 S L | P225/55R17 | 111.4 | 62.4 | 62.0 | 62.2 | 48.1 | 0 | | | | | | | | | 40.43 | 40.428 | 0 |
| PC_I | 16 | TKX | 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 | | | | | | | | | 40.43 | 40.428 | 138.164729 |
| PC_I | 18 | TKX | 1 | 15 | MAZDA6 | 2.2L Diesel | 605 | S6 | P225/55R17 | 111.4 | 62.4 | 62.0 | 62.2 | 48.1 | 0 | | | | | | | | | 40.43 | 40.428 | 0 |
| PC_I | 19 | TKX | 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 | | | | | | | | | 41.89 | 41.886 | 1496.89663 |
| PC_I | 20 | TKX | 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 | | | | | | | | | 41.89 | 41.886 | 19.4557174 |
| PC_I | 21 | TKX | 1 | 55 | CX-5 2WD | 2.2L Diesel | 506 | S6 | P225/55R19 | 106.2 | 62.8 | 62.8 | 62.8 | 46.3 | 0 | | | | | | | | | 41.89 | 41.886 | 0 |

TBD

| Category | Projected Model Year Total Production Units | Footprint base Fleet Av. FE Standard (mpg) | Min. FE Std (mpg) |
|-------------|---|--|-------------------|
| Domestic PC | 0 | 0 (rounded) | 39.4 |
| Import PC | 154,255 | 42.8 (rounded) | N/A |

| Category | Model Type Index | Carline MFR Code | Division Code | Carline Code | Carline Name | Basic Engine Index | Transmission Class Index | Transmission Class Name (e.g. M5, S1L, L6, etc...) | Model Type Footprint 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) | 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 decimal places) | Footprint-base FE (mpg) target (unrounded) | Volume/Footprint-base FE target |
|----------|------------------|------------------|---------------|--------------|--------------|--|--------------------------|--|--|---|---|--|---|--|---|--|---|------------------------------------|-----------------|--------------------------|---|--|--|--|--|---------------------------------|
| LT | 1 | TKX | 1 | 56 | CX-5 4WD | 2.5L Gasoline w/ Cylinder Deactivation | 505 | S6 | P225/65R17 | 106.2 | 62.8 | 62.8 | 62.8 | 46.3 | 77,229 | | | | | | | | | 34.48 | 34.483 | 2239.82019 |
| LT | 2 | TKX | 1 | 56 | CX-5 4WD | 2.5L T/C Gasoline | 509 | S6 | P225/55R19 | 106.2 | 62.8 | 62.8 | 62.8 | 46.3 | 21,773 | | | | | | | | | 34.48 | 34.483 | 631.467517 |
| LT | 3 | TKX | 1 | 56 | CX-5 4WD | 2.2L Diesel | 507 | S6 | P225/55R19 | 106.2 | 62.8 | 62.8 | 62.8 | 46.3 | 480 | | | | | | | | | 34.48 | 34.483 | 13.921137 |
| LT | 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 |
| LT | 5 | TKX | 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 |

TBD

| Category | Projected Model Year Total Production Units | Footprint base Fleet Av. FE Standard (mpg) | Min. FE Std (mpg) |
|----------|---|--|-------------------|
| Truck | 131,671 | 33.6 (rounded) | 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

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| Date of Transaction | Model Year | Transaction | Category | Fleet Average Compliance Level | | | Fuel Consumption Improvement | | | | | | Total Fleet Average CAFE Credits / Deficits ((B)-[A])x[C]x10 | Model Year Total CAFE Credits / Deficits Balance | Comment |
|--|------------|-------------|--------------|--------------------------------|--|-----------------------|------------------------------|-------------------------------|------------------------------|--------------------|--------------------------------|--------------------|--|--|--|
| | | | | Applicable Standards [A] | AFE (AFE _{adj} for PC category) [B] | Production Volume [C] | A/C Efficiency Credits | FCIV _{AC_Efficiency} | Off-Cycle Technology Credits | FCIV _{OC} | Full-Size Pickup Truck Credits | FCIV _{PU} | | | |
| | | | | mile/gallon | mile/gallon | units | megagrams | gallon/mile | megagrams | gallon/mile | megagram | gallon/mile | | | |
| 3/29/2010 (LCE-10/031) 4/13/2010 (LCE-10/036) | 2009 | Earned | Car_Import | 27.5 | 32.6 | 54,862 | --- | --- | --- | --- | --- | --- | 2,797,962 | 2,797,962 | Expire in 2014MY |
| | | Earned | Car_Domestic | 27.5 | 30.4 | 39,504 | --- | --- | --- | --- | --- | --- | 1,145,616 | 1,145,616 | |
| | | Earned | Truck | 23.1 | 26.6 | 54,508 | --- | --- | --- | --- | --- | --- | 1,907,780 | 1,907,780 | |
| 3/30/2011 (LCE-11/043) | 2010 | Earned | Car_Import | 27.5 | 33.8 | 212,495 | --- | --- | --- | --- | --- | --- | 13,387,185 | 13,387,185 | Expire in 2015MY |
| | | Earned | Car_Domestic | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | 0 | |
| | | Earned | Truck | 23.5 | 26.7 | 98,444 | --- | --- | --- | --- | --- | --- | 3,150,208 | 3,150,208 | |
| 3/28/2012 (LCE-12/042) | 2011 | Earned | Car_Import | 30.7 | 33.8 | 181,202 | --- | --- | --- | --- | --- | --- | 5,617,262 | 5,617,262 | Expire in 2016MY |
| | | Earned | Car_Domestic | 31.1 | 31.8 | 2,218 | --- | --- | --- | --- | --- | --- | 15,526 | 15,526 | |
| | | Earned | Truck | 25.6 | 24.7 | 33,692 | --- | --- | --- | --- | --- | --- | -303,228 | 0 | |
| | 2009 | Transfer | Truck | --- | --- | --- | --- | --- | --- | --- | --- | --- | -303,228 | 1,604,552 | Used for 2011MY LT Expire in 2014MY |
| 3/15/2013 (LCE-13/37) | 2012 | Earned | Car_Import | 33.9 | 37.9 | 213,308 | --- | --- | --- | --- | --- | --- | 8,532,320 | 8,532,320 | Expire in 2017MY |
| | | 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 (LCE-14/035) 3/31/2014 (LCE-14/041) | 2013 | Earned | Car_Import | 34.8 | 39.4 | 164,862 | --- | --- | --- | --- | --- | --- | 7,583,652 | 7,583,652 | Expire in 2018MY |
| | | Earned | Car_Domestic | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | 0 | |
| | | 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) | 2014 | Earned | Car_Import | 34.4 | 41.5 | 217,333 | --- | --- | --- | --- | --- | --- | 15,430,643 | 15,430,643 | Expire in 2019MY |
| | | Earned | Car_Domestic | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | 0 | |
| | | Earned | Truck | 28.9 | 31.4 | 78,826 | --- | --- | --- | --- | --- | --- | 1,970,650 | 1,970,650 | |
| 3/30/2016 (LCE-16/045) | 2015 | Earned | Car_Import | 35.5 | 41.9 | 207,100 | --- | --- | --- | --- | --- | --- | 13,254,400 | 13,254,400 | Expire in 2020MY |
| | | Earned | Car_Domestic | --- | --- | --- | --- | --- | --- | --- | --- | --- | 0 | 0 | |
| | | Earned | Truck | 30.0 | 31.6 | 78,793 | --- | --- | --- | --- | --- | --- | 1,260,688 | 1,260,688 | |

CAFE Credits Balance Chart

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| Date of Transaction | Model Year | Transaction | Category | Fleet Average Compliance Level | | | Fuel Consumption Improvement | | | | | | Total Fleet Average CAFE Credits / Deficits ((B)-[A])x[C]x10 | Model Year Total CAFE Credits / Deficits Balance | Comment |
|--|------------|-------------|--------------|--------------------------------|---|-----------------------|------------------------------|-------------------------------|------------------------------|--------------------|--------------------------------|--------------------|--|--|-------------------------------------|
| | | | | Applicable Standards [A] | AFE (AFE _{adj}) for PC category [B] | Production Volume [C] | A/C Efficiency Credits | FCIV _{AC_Efficiency} | Off-Cycle Technology Credits | FCIV _{OC} | Full-Size Pickup Truck Credits | FCIV _{PU} | | | |
| | | | | mile/gallon | mile/gallon | units | megagrams | gallon/mile | megagrams | gallon/mile | megagram | gallon/mile | | | |
| 3/22/2017 (LCE-17/048) | 2016 | Earned | Car_Import | 37.3 | 42.1 | 305,635 | — | — | — | — | — | — | 14,670,480 | 14,670,480 | Expire in 2021MY |
| | | Earned | Car_Domestic | — | — | — | — | — | — | — | — | — | 0 | 0 | |
| | | Earned | Truck | 31.4 | 34.2 | 153,192 | — | — | — | — | — | — | 4,289,376 | 4,289,376 | |
| 3/15/2018 (LCE-18/043) 2/26/2019 (LCE-19/028) | 2017 | Earned | Car_Import | 39.4 | 40.4 | 182,534 | — | — | 6,337 | 0.000020006 | — | — | 1,825,340 | 1,825,340 | Expire in 2022MY |
| | | Earned | Car_Domestic | — | — | — | — | — | — | — | — | — | 0 | 0 | |
| | | Earned | Truck | 32.3 | 33.8 | 74,414 | — | — | 8,137 | 0.000054476 | — | — | 1,116,210 | 1,116,210 | |
| 3/15/2019 (LCE-19/033) 4/22/2019 (LCE-19/058) | 2018 | Earned | Car_Import | 40.6 | 38.4 | 110,582 | 0 | 0.000000000 | 50,303 | 0.000262139 | — | — | -2,432,804 | 0 | Expire in 2023MY |
| | | Earned | Car_Domestic | 41.2 | 41.8 | 93,239 | 0 | 0.000000000 | 24781.0 | 0.000153159 | — | — | 559,434 | 559,434 | |
| | | Earned | Truck | 32.8 | 34.4 | 115,014 | 0 | 0.000000000 | 117,937 | 0.000510852 | — | — | 1,840,224 | 1,840,224 | |
| | 2013 | Transfer | Car_Import | — | — | — | — | — | — | — | — | — | -2,432,804 | 5,150,848 | Used for 2018MY PC Expire in 2018MY |
| 2019 (2019MY Mid CAFE Report Projected Values) | 2019 | Earned | Car_Import | 42.8 | 39.1 | 154,255 | 0 | 0.000000000 | 62,540 | 0.000233637 | — | — | -5,707,435 | 0 | Expire in 2024MY |
| | | Earned | Car_Domestic | — | — | — | — | — | — | — | — | — | 0 | 0 | |
| | | Earned | Truck | 33.6 | 33.9 | 131,671 | 0 | 0.000000000 | 122,455 | 0.000463321 | — | — | 395,013 | 395,013 | |
| | 2014 | Transfer | Car_Import | — | — | — | — | — | — | — | — | — | -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 |