# PRE-CAFE REPORT FOR 2020 MODEL YEAR OF HYUNDAI MOTOR COMPANY

- Passenger cars -



NOTE : THIS REPORT CONTAINS INFORMATION.

THE PRODUCTION VOLUME IS INFORMATION AND THIS INFORMATION IS DEEMED BY HMC TO BE EXEMPT FROM DISCLOSURE UNDER 5 U.S.C. 552(B)(4) AND 49 U.S.C 32910(c).

# **TABLE OF CONTENTS**

| <u>Section</u> | Title                                       | Page  |
|----------------|---|-------|
| 1              | Introduction                                | 1     |
| II             | Projected Average and Required Fuel Economy | 2 ~ 4 |
| *              | Vehicle Configuration Information           | 5     |
| IV*            | A/C Efficiency Credits                      | 6     |
| V*             | Off-cycle Credits                           | 7     |
| VI             | Projected Average Fuel Economy Adjustment   | 8     |
|                | Note * : These sections contain information |       |

## I. Introduction

As required by 49 CFR Part 537.9, estimated fuel economy values for Accent, Veloster, Veloster N, Elantra, Elantra SE, Elantra GT, Venue, Kona FWD, Kona AWD, Kona Electric, Ioniq, Ioniq Blue, Ioniq Electric, Ioniq Plug-in Hybrid, Tucson AWD, Tucson FWD, Sonata, Sonata Hybrid, Sonata Hybrid Blue, Nexo, Nexo Blue, Santa Fe FWD, Santa FE AWD, G70 RWD, G70 AWD, G80 RWD, G80 AWD, G90 RWD, G90 AWD are included in this report.

The certification emission-data and fuel economy data of the above-mentioned vehicles used to get the following fuel economy values were tested in accordance with applicable exhaust emission test procedures and complied with applicable 2020 exhaust emission standards as defined 40 CFR §86.

# II. Projected Average and Required Fuel Economy

# 1. Projected Average Fuel Economy

- IP: 39.5 MPG (without A/C efficiency & off-cycle credits)
- IP: 40.5 MPG (with A/C efficiency & off-cycle credits)
- DP: N/A

## 2. Projected Required Fuel Economy

- **IP**: **43.2** MPG
- DP: N/A

At this point in time and based on available best present information, the above projections represent the Hyundai Motor Company (HMC) average and required fuel economy for the 2020 model year for the purpose of the Act.

### II. Projected Average and Required Fuel Economy

- Projected Required Fuel Economy

| Projected Required                         | 43.2                               | Ĺ                         |               |              |                                |                  |                                |                                |                                  |                     |                         |                    |  |                |
|--|------------------------------------|---------------------------|---------------|--------------|--------------------------------|------------------|--------------------------------|--------------------------------|----------------------------------|---------------------|-------------------------|--------------------|--|----------------|
| Model Type<br>Description                  | Carline                            | Basic<br>Engine<br>(disp) | Drive         | T/M<br>class | Base Tire                      | Projected sales  | Track<br>width<br>FR<br>(inch) | Track<br>width<br>RR<br>(inch) | Average<br>Track width<br>(inch) | Wheelbase<br>(inch) | footprint<br>(sqr feet) | Target<br>standard | ETW  | IWC            |
| Accent 1.6 CVT                             | Accent                             | 1.6                       | FWD           | CVT          | 205/45R17<br>185/65R15         | 1,314            | 59.5<br>60.0                   | 59.7                           | 59.6                             | 101.6<br>101.6      | 42.1                    | 47.57              | 3,000  | 3,000          |
| Accent 1.6 MT                              | Accent<br>Accent                   | 1.6                       | FWD<br>FWD    | CVT<br>M6    | 185/65R15                      | 16,518<br>939    | 60.0                           | 60.2                           | 60.1<br>60.1                     | 101.6               | 42.4                    | 47.26<br>47.26     | 2,875  | 2,750          |
| G90 3.3T AWD                               | G90 AWD                            | 3.3                       | AWD           | SA8          | 245/45R19(F)                   | 924              | 64.6                           | 64.5                           | 64.6                             | 124.4               | 55.8                    | 36.59              | 5,000  | 5,000          |
|  | Control (                          | 9020 1                    | The second of | 2000         | 275/40R19(R)<br>245/45R19(F)   |                  | C COMPANY                      | Charter                        | 7 45000000                       | 000000              | 46556                   | NEW YORK           | and the same of th | Telephone Co.  |
| G90 3.3T RWD                               | G90 RWD                            | 3.3                       | RWD           | SA8          | 275/40R19(R)                   | 585              | 64.6                           | 64.5                           | 64.6                             | 124.4               | 55.8                    | 36.59              | 5,000  | 5,000          |
| G90 5.0 AWD                                | G90 AWD                            | 5.0                       | AWD           | SA8          | 245/45R19(F)<br>275/40R19(R)   | 739              | 64.6                           | 64.5                           | 64.6                             | 124.4               | 55.8                    | 36.59              | 5,250  | 5,000          |
| G90 5.0 RWD                                | G90 RWD                            | 5.0                       | RWD           | SA8          | 245/45R19(F)<br>275/40R19(R)   | 832              | 64.6                           | 64.5                           | 64.6                             | 124.4               | 55.8                    | 36.59              | 5,000  | 5,000          |
| Elantra 1.4 DCT                            | Elantra                            | 1.4                       | FWD           | AM7          | 195/65R15                      | 1,843            | 61.3                           | 61.9                           | 61.6                             | 106.3               | 45.5                    | 44.27              | 3,125  | 3,000          |
| Elantra 1.6 DCT                            | Elantra                            | 1.6                       | FWD           | AM7          | 225/40R18                      | 11,058           | 60.8                           | 61.4                           | 61.2                             | 106.3               | 45.2                    | 44.55              | 3,375  | 3,500          |
| Elantra 1.6T MT                            | Elantra<br>Elantra                 | 1.6                       | FWD<br>FWD    | M6<br>CVT    | 225/40R18<br>220/45R17         | 5.550            | 60.8                           | 61.4                           | 61.2<br>61.2                     | 106.3               | 45.2<br>45.2            | 44.55<br>44.55     | 3,375  | 3,500          |
| Elantra 2.0 CVT                            | Elantra                            | 2.0                       | FWD           | CVT          | 220/45R17                      | 7,353            | 61.0                           | 61.3                           | 61.2                             | 106.3               | 45.2                    | 44.55              | 3,250  | 3,000          |
|  | Elantra<br>Elantra                 | 2.0                       | FWD<br>FWD    | CVT          | 205/55R16<br>205/55R16         | 48 359<br>64 078 | 61.2                           | 61.6<br>61.6                   | 61.4<br>61.4                     | 106.3<br>106.3      | 45.3<br>45.3            | 44.45<br>44.45     | 3 125<br>3 125   | 3 000          |
| Elantra SE 2.0 CVT                         | Elantra SE                         | 2.0                       | FWD           | CVT          | 195/65R15                      | 19,820           | 61.5                           | 61.9                           | 61.7                             | 106.3               | 45.5                    | 44.27              | 3,125  | 3,000          |
| The contract of the contract               | Elantra SE<br>Elantra              | 2.0                       | FWD           | CVT<br>M6    | 195/65R15<br>195/65R15         | 26,261           | 61.5                           | 61.9                           | 61.7<br>61.7                     | 106.3<br>106.3      | 45.5<br>45.5            | 44.27<br>44.27     | 3,125  | 3,000          |
| Elantra 2.0 MT                             | Venue                              | 1.6                       | FWD<br>FWD    | CVT          | 205/55R17                      | 6,685            | 60.4                           | 61.9<br>60.9                   | 60.6                             | 99.2                | 41.8                    | 47.88              | 3,125  | 3,000          |
| Venue CVT                                  | Venue                              | 1.6                       | FWD           | CVT          | 185/65R15                      | 6,684            | 61.2                           | 61.3                           | 61.2                             | 99.2                | 42.2                    | 47.47              | 3,000  | 3,000          |
| Venue MT<br>Sonata 1.6T                    | Venue<br>Sonata                    | 1.6                       | FWD           | 6MT<br>SA8   | 185/65R15<br>235/45R18         | 6,684<br>28,224  | 61.2<br>63.7                   | 61.3<br>64.0                   | 61.2<br>63.8                     | 99.2<br>112         | 42.2<br>49.6            | 47.47<br>40.86     | 2,875<br>3,625   | 2,750<br>3,500 |
| Sonata 2.5 GDI                             | Sonata                             | 2.5                       | FWD           | SA8          | 215/55R17                      | 31 411           | 63.9                           | 64.2                           | 64.0                             | 112                 | 49.8                    | 40.71              | 3 500  | 3 500          |
|  | Sonata<br>Santa En AMID            | 2.5                       | FWD           | SA8          | 205/65R16                      | 31,410           | 64.3                           | 64.6                           | 64.4                             | 112                 | 50.1                    | 40.48              | 3,375  | 3,500          |
| Santa Fe 2.0 AWD AT<br>Santa Fe 2.0 FWD AT | Santa Fe AWD<br>Santa Fe FWD       | 2.0                       | FWD           | SA8<br>SA8   | 235/55R19<br>235/55R19         | 15,868<br>17,191 | 64.5<br>64.5                   | 64.8<br>64.8                   | 64.6<br>64.6                     | 108.9<br>108.9      | 48.9<br>48.9            | 41.41              | 4,500<br>4,250   | 4,500          |
| Santa Fe 2.4 AWD AT                        | Santa Fe AWD                       | 2.4                       | AWD           | SA8          | 235/60R18                      | 9,529            | 64.5                           | 64.8                           | 64.6                             | 108.9               | 48.9                    | 41.41              | 4,250  | 4,000          |
|  | Santa Fe AWD<br>Santa Fe FWD       | 2.4                       | FWD           | SA8<br>SA8   | 235/65R17<br>235/60R18         | 24,130<br>8,933  | 64.7<br>64.5                   | 65.0<br>64.8                   | 64.8<br>64.6                     | 108.9<br>108.9      | 49<br>48.9              | 41.33              | 4,000  | 4,000          |
| Santa Fe 2.4 FWD AT                        | Santa Fe FWD                       | 2.4                       | FWD           | SA8          | 235/65R17                      | 23,531           | 64.7                           | 65.0                           | 64.8                             | 108.9               | 49                      | 41.33              | 3,875  | 4,000          |
|  | Santa Fe FWD                       | 2.4                       | FWD           | SA8          | 235/60R18                      | 9 098            | 64.5                           | 64.8                           | 64.6                             | 108.9               | 48.9                    | 41.41              | 4 000  | 4 000          |
| Elantra GT 2.0 AT                          | Santa Fe FWD<br>Elantra GT         | 2.4                       | FWD<br>FWD    | SA8<br>SA6   | 235/65R17<br>225/45R17         | 23 965<br>9,733  | 64.7                           | 65.0<br>61.7                   | 64.8<br>61.4                     | 108.9               | 49<br>44.5              | 41.33<br>45.19     | 3 875<br>3,250   | 4 000<br>3,000 |
| Elantra GT 1.6T DCT                        | Elantra GT                         | 1.6                       | FWD           | AM7          | 225/40R18                      | 2,080            | 61.0                           | 61.5                           | 61.2                             | 104.3               | 44.3                    | 45.38              | 3,375  | 3,500          |
| Elantra GT 1.6T MT                         | Elantra GT<br>Veloster             | 1.6                       | FWD<br>FWD    | M6<br>SA6    | 225/40R18<br>215/45R17(Nex)    | 1,042            | 61.0<br>61.5                   | 61.5<br>62.0                   | 61.2<br>61.8                     | 104.3<br>104.3      | 44.3<br>44.8            | 45.38<br>44.91     | 3,375  | 3,500          |
| Veloster 2.0 AT                            | Veloster                           | 2.0                       | FWD           | SA6          | 225/40R18(Nex)                 | 999              | 61.0                           | 61.5                           | 61.2                             | 104.3               | 44.3                    | 45.38              | 3,125  | 3,000          |
| Veloster 2.0 MT                            | Veloster                           | 2.0                       | FWD           | M6           | 215/45R17(Nex)                 | 208              | 61.5                           | 62.0                           | 61.8                             | 104.3               | 44.8                    | 44.91              | 3 000  | 3 000          |
| Veloster 1.6 DCT                           | Veloster<br>Veloster               | 1.6                       | FWD<br>FWD    | AM7<br>M6    | 225/40R18(Nex)<br>225/40R18(M) | 1,415            | 61.0<br>61.0                   | 61.5<br>61.5                   | 61.2<br>61.2                     | 104.3<br>104.3      | 44.3<br>44.3            | 45.38<br>45.38     | 3,250<br>3,250   | 3,000          |
| Veloster 1.6 MT                            | Veloster                           | 1.6                       | FWD           | M6           | 225/40R18(Nex)                 | 499              | 61.0                           | 61.5                           | 61.2                             | 104.3               | 44.3                    | 45.38              | 3,250  | 3,000          |
| Veloster N 2.0 MT                          | Veloster N                         | 2.0                       | FWD           | M6           | 225/40R18                      | 301              | 61.3                           | 61.7                           | 61.5                             | 104.3               | 44.5                    | 45.19              | 3,375  | 3,500          |
| Kona 1.6 AWD AT                            | Veloster N<br>Kona AWD             | 2.0                       | FWD<br>AWD    | M6<br>AM7    | 235/35R19<br>235/45R18         | 2,701<br>9,987   | 61.2<br>61.4                   | 61.6<br>61.7                   | 61.4<br>61.6                     | 105.3<br>102.4      | 44.9<br>43.8            | 44.82<br>45.86     | 3,375  | 3,500          |
| Kona 1.6 FWD AT                            | Kona FWD                           | 2.0                       | FWD           | AM7          | 235/45R18                      | 5 826            | 61.4                           | 61.7                           | 61.6                             | 102.4               | 43.8                    | 45.86              | 3 375  | 3 500          |
| Kona 2.0 AWD AT                            | Kona AWD<br>Kona AWD               | 2.0                       | AWD           | SA6<br>SA6   | 205/60R16<br>215/55R17         | 6 765<br>8 120   | 62.0<br>61.5                   | 62.4<br>61.9                   | 62.2<br>61.7                     | 102.4               | 44.2                    | 45.48<br>45.77     | 3 375  | 3 500<br>3,500 |
| Kona 2.0 FWD AT                            | Kona FWD                           | 2.0                       | FWD           | SA6          | 205/60R16                      | 7,822            | 62.0                           | 62.4                           | 62.2                             | 102.4               | 44.2                    | 45.48              | 3,250  | 3,000          |
|  | Kona FWD<br>Tucson AWD             | 2.0                       | FWD<br>AWD    | SA6<br>SA6   | 215/55R17                      | 9,403<br>4.228   | 61.5                           | 61.9<br>63.8                   | 61.7<br>63.6                     | 102.4<br>105.1      | 43.9<br>46.4            | 45.77              | 3,250<br>3,750   | 3,000          |
| Tucson 2.0 AWD AT                          | Tucson FWD                         | 2.0                       | FWD           | SA6          | 225/60R17<br>225/60R17         | 2,977            | 63.3                           | 63.8                           | 63.6                             | 105.1               | 46.4                    | 43.48              | 3,625  | 3,500          |
| Tucson 2.0 FWD AT                          | Tucson FWD                         | 2.0                       | FWD           | SA6          | 225/60R17                      | 41,176           | 63.3                           | 63.8                           | 63.6                             | 105.1               | 46.4                    | 43.48              | 3,625  | 3,500          |
| Tucson 2.4 AWD AT                          | Tucson AWD Tucson AWD              | 2.4                       | AWD           | SA6<br>SA6   | 245/45R19<br>225/55R18         | 4,305<br>19 370  | 63.1                           | 63.6                           | 63.4<br>63.6                     | 105.1<br>105.1      | 46.3<br>46.4            | 43.56<br>43.48     | 3,875  | 4,000          |
|  | Tucson FWD                         | 2.4                       | FWD           | SA6          | 245/45R19                      | 0                | 63.1                           | 63.6                           | 63.4                             | 105.1               | 46.3                    | 43.56              | 3,750  | 3,500          |
| Tucson 2.4 FWD AT                          | Tucson FWD Tucson FWD              | 2.4                       | FWD<br>FWD    | SA6<br>SA6   | 225/55R18<br>245/45R19         | 6.863            | 63.3                           | 63.8<br>63.6                   | 63.6<br>63.4                     | 105.1<br>105.1      | 46.4<br>46.3            | 43.48<br>43.56     | 3,750<br>3,750   | 3,500          |
|  | Tucson FWD                         | 2.4                       | FWD           | SA6          | 225/55R18                      | 24,020           | 63.3                           | 63.8                           | 63.6                             | 105.1               | 46.4                    | 43.48              | 3,750  | 3,500          |
|  | G70 AWD                            | 2.0                       | AWD           | SA8          | 225/45R18(F)<br>255/45R18(R)   | 2,898            | 62.8                           | 64.3                           | 63.6                             | 111.6               | 49.3                    | 41.09              | 4,000  | 4,000          |
| G70 2.0 AWD AT                             | G70 AWD                            | 2.0                       | AWD           | SA8          | 255/45R18(R)<br>225/40R19(F)   | 4.075            | 62.8                           | 63.1                           | 63.0                             | 111.6               | 48.8                    | 41,48              | 4,250  | 4,000          |
|  |                                    | 8865                      | Sellisan      |              | 255/35R19(R)<br>225/45R18(F)   | 1,875            |                                | 2 C.23                         | SV(984)                          | 10.00               | (200)                   | DESIGNED.          | 2000   | 325500         |
| G70 2.0 RWD AT                             | G70 RWD                            | 2.0                       | RWD           | SA8          | 255/45R18(R)                   | 4,433            | 62.8                           | 64.3                           | 63.6                             | 111.6               | 49.3                    | 41.09              | 3,875  | 4,000          |
|  | G70 RWD                            | 2.0                       | RWD           | SA8          | 225/40R19(F)<br>255/35R19(R)   | 3,068            | 62.8                           | 63.1                           | 63.0                             | 111.6               | 48.8                    | 41.48              | 4,000  | 4,000          |
| G70 2.0 RWD MT                             | G70 RWD                            | 2.0                       | RWD           | M6           | 225/40R19(F)<br>255/35R19(R)   | 511              | 62.8                           | 63.1                           | 63.0                             | 111.6               | 48.8                    | 41.48              | 4,000  | 4,000          |
|  | G70 AWD                            | 3.3                       | AWD           | SA8          | 225/40R19(F)<br>255/35R19(R)   | 1,364            | 62.8                           | 63.1                           | 63.0                             | 111.6               | 48.8                    | 41.48              | 4,250  | 4,000          |
| G70 3.3 AWD AT(PS4, PS4S)                  | G70 AWD                            | 3.3                       | AWD           | SA8          | 225/40R19(F)                   | 0                | 62.8                           | 63.1                           | 63.0                             | 111.6               | 48.8                    | 41.48              | 4,250  | 4,000          |
|  |                                    | 50000                     | 12/26/21      | 1959         | 255/35R19(R)<br>225/40R19(F)   | 169              | 100 A 100 A                    | 1903/E                         |                                  | 1200000             | 835%                    | 200000             | E0848  | 1200000        |
| G70 3.3 RWD AT(PS4, PS4S)                  | G70 RWD                            | 3.3                       | RWD           | SA8          | 255/35R19(R)                   | 2,900            | 62.8                           | 63.1                           | 63.0                             | 111.6               | 48.8                    | 41.48              | 4,250  | 4,000          |
|  | G70 RWD                            | 3.3                       | RWD           | SA8          | 225/40R19(F)<br>255/35R19(R)   | 0                | 62.8                           | 63.1                           | 63.0                             | 111.6               | 48.8                    | 41.48              | 4,250  | 4,000          |
| G80 3.3 AWD AT                             | G80 AWD                            | 3.3                       | AWD           | SA8          | 245/40R19(F)<br>275/35R19(R)   | 635              | 63.8                           | 64.3                           | 64.0                             | 118.5               | 52.7                    | 38.61              | 5,000  | 5,000          |
| G80 3.3 RWD AT                             | G80 RWD                            | 3.3                       | RWD           | SA8          | 245/40R19(F)<br>275/35R19(R)   | 952              | 63.8                           | 64.3                           | 64.0                             | 118.5               | 52.7                    | 38.61              | 4,750  | 4,500          |
|  | G80 AWD                            | 3.8                       | AWD           | SA8          | 245/45R18                      | 826              | 64.1                           | 65.3                           | 64.7                             | 118.5               | 53.2                    | 38.27              | 4,750  | 4,500          |
| G80 3.8 AWD AT                             | G80 AWD                            | 3.8                       | AWD           | SA8          | 245/40R19(F)<br>275/35R19(R)   | 763              | 63.8                           | 64.3                           | 64.0                             | 118.5               | 52.7                    | 38.61              | 4,750  | 4,500          |
|  | G80 RWD                            | 3.8                       | RWD           | SA8          | 245/45R18                      | 1,715            | 64.1                           | 65.3                           | 64.7                             | 118.5               | 53.2                    | 38.27              | 4,500  | 4,500          |
| G80 3.8 RWD AT                             | G80 RWD                            | 3.8                       | RWD           | SA8          | 245/40R19(F)<br>275/35R19(R)   | 1,144            | 63.8                           | 64.3                           | 64.0                             | 118.5               | 52.7                    | 38.61              | 4,750  | 4,500          |
| G80 5.0 AWD AT                             | G80 AWD                            | 5.0                       | AWD           | SA8          | 245/40R19(F)<br>275/35R19(R)   | 127              | 63.8                           | 64.3                           | 64.0                             | 118.5               | 52.7                    | 38.61              | 5,000  | 5,000          |
| G80 5.0 RWD AT                             | G80 RWD                            | 5.0                       | RWD           | SA8          | 245/40R19(F)<br>275/35R19(R)   | 191              | 63.8                           | 64.3                           | 64.0                             | 118.5               | 52.7                    | 38.61              | 4,750  | 4,500          |
| loniq 1.6 AT                               | loniq                              | 1.6                       | FWD<br>FWD    | AM6          | 195/65R15<br>225/45R17         | 5,753<br>4,131   | 61.5                           | 62.1                           | 61.8<br>61.2                     | 106.3<br>106.3      | 45.6<br>45.2            | 44.18<br>44.55     | 3,375  | 3,500<br>3,500 |
| ioniq BLUE 1.6 AT                          | loniq<br>loniq Blue                | 1.6                       | FWD           | AM6          | 195/65R15                      | 4,131            | 61.5                           | 62.1                           | 61.8                             | 106.3               | 45.2<br>45.6            | 44.18              | 3,375  | 3,000          |
| Sonata Hybrid Blue                         | Sonata HEV Blue                    | 2.0                       | FWD           | SA6          | 205/65R16                      | 4,500            | 64.3                           | 64.6                           | 64.4                             | 112                 | 50.1                    | 40.48              | 3,625  | 3,500          |
| Sonata Hybrid<br>Ioniq PHEV                | Sonata HEV<br>Ioniq Plug-in Hybrid | 1.6                       | FWD<br>FWD    | SA6<br>AM6   | 215/55R17<br>205/55R16         | 4,501<br>5,690   | 63.9                           | 61.8                           | 64.0<br>61.5                     | 112<br>106.3        | 49.8<br>45.4            | 40.71<br>44.36     | 3,750<br>3,625   | 3,500          |
| Ioniq EV                                   | loniq Electric                     | Electric                  | FWD           | A1           | 205/55R16                      | 1 743            | 61.2                           | 61.6                           | 61.4                             | 106.3               | 45.3                    | 44.46              | 3 750  | 3 500          |
| Kona EV                                    | Kona Electric                      | Electric                  | FWD           | A1           | 215/55R17                      | 7 119            | 61.2                           | 61.6                           | 61.4                             | 106.3               | 45.3                    | 44.46              | 4 000  | 4 000          |

| Nexo      | NEXO      | Fuelcell | FWD | A1 | 245/45R19 | 205 | 63.5 | 64.0 | 63.8 | 109.8 | 48.6 | 41.64 | 4,500 | 4,500 |
|-----------|-----------|----------|-----|----|-----------|-----|------|------|------|-------|------|-------|-------|-------|
| Nexo Blue | NEXO Blue | Fuelcell | FWD | A1 | 225/60R17 | 115 | 63.7 | 64.1 | 63.9 | 109.8 | 48.7 | 41.56 | 4,250 | 4,000 |

Projected Required 43.2
Total Sales Volume 682,049

 $CAFE_{Tequired} = \frac{\sum_{i} PRODUCTION_{i}}{\sum_{i} \frac{PRODUCTION_{i}}{TARGET_{i}}}$ 

### II. Projected Average and Required Fuel Economy

| - Projected average Fuel Econo                    | my                            |                           |            |   |                                  |                    |              | 2            |   |                |                          |                      |
|---|-------------------------------|---------------------------|------------|---|----------------------------------|--------------------|--------------|--------------|---|----------------|--------------------------|----------------------|
| Projected Average                                 | 39.5                          | l                         |            |   |                                  |                    |              |              |   |                |                          |                      |
| Model Type<br>Description                         | Carline                       | Basic<br>Engine<br>(disp) | Drive      | T/M<br>class<br>(Drive,<br>type,<br>gear) | Base Tire                        | Projected<br>sales | City FE      | Hwy FE       | Combined<br>FE                          | IWC            | Model<br>Type<br>Comb.FE | Model<br>Type<br>Vol |
| Accent 1.6 CVT                                    | Accent<br>Accent              | 1.6                       | FWD<br>FWD | CVT                                       | 205/45R17<br>185/65R15           | 1,314<br>16,518    | 42.1<br>44.6 | 56.4<br>61.4 | 47.5221<br>50.8626                      | 3,000<br>2,750 | 50.6                     | 17,832               |
| Accent 1.6 MT                                     | Accent                        | 1.6                       | FWD        | M6  | 185/65R15<br>245/45R19(F)        | 939                | 37.7         | 57.9         | 44.7210                                 | 2,750          | 44.7                     | 939                  |
| G90 3.3T AWD                                      | G90 AWD                       | 3.3                       | AWD        | SA8                                       | 275/40R19(R)<br>245/45R19(F)     | 924                | 21.6         | 34.7         | 26.0205                                 | 5,000          | 26.0                     | 924                  |
| G90 3.3T RWD                                      | G90 RWD                       | 3.3                       | RWD        | SA8                                       | 275/40R19(R)                     | 585                | 21.7         | 35.7         | 26.3500                                 | 5,000          | 26.4                     | 585                  |
| G90 5.0 AWD                                       | G90 AWD                       | 5.0                       | AWD        | SA8                                       | 245/45R19(F)<br>275/40R19(R)     | 739                | 18.9         | 32.2         | 23.2150                                 | 5,000          | 23.2                     | 739                  |
| G90 5.0 RWD                                       | G90 RWD                       | 5.0                       | RWD        | SA8                                       | 245/45R19(F)<br>275/40R19(R)     | 832                | 19.6         | 33.2         | 24.0295                                 | 5,000          | 24.0                     | 832                  |
| Elantra 1.4 DCT Elantra 1.6 DCT                   | Elantra<br>Elantra            | 1.4                       | FWD<br>FWD | AM7<br>AM7                                | 195/65R15<br>225/40R18           | 1,843<br>11,058    | 44.0<br>34.2 | 59.7<br>48.5 | 49.9060<br>39.4318                      | 3,000          | 49.9<br>39.4             | 1,843                |
| Elantra 1.6T MT                                   | Elantra                       | 1.6                       | FWD        | M6  | 225/40R18                        | 0                  | 29.7         | 44.4         | 34.8996                                 | 3,500          | 34.9                     | 0                    |
| Elantra 2.0 CVT                                   | Elantra<br>Elantra            | 2.0                       | FWD<br>FWD | CVT                                       | 220/45R17<br>220/45R17           | 5,550<br>7,353     | 38.3<br>37.1 | 57.9<br>57.1 | 45.1828<br>44.0418                      | 3,000          | 46.3                     | 125,340              |
| Eliana E. O O V I                                 | Elantra<br>Elantra            | 2.0                       | FWD<br>FWD | CVT                                       | 205/55R16<br>205/55R16           | 48,359<br>64 078   | 39.3         | 60.6<br>60.5 | 46.6839<br>46.3460                      | 3,000          | 10.0                     | 120,010              |
| Elantra SE 2.0 CVT                                | Elantra SE                    | 2.0                       | FWD        | CVT                                       | 195/65R15                        | 19,820             | 41.3         | 64.0         | 49.1438                                 | 3,000          | 47.6                     | 46,081               |
| Elantra 2.0 MT                                    | Elantra SE<br>Elantra         | 2.0                       | FWD<br>FWD | CVT<br>M6                                 | 195/65R15<br>195/65R15           | 26,261<br>0        | 39.0<br>33.4 | 60.6<br>54.7 | 46.4505<br>40.4961                      | 3,000          | 40.5                     | 0                    |
| Venue CVT   | Venue<br>Venue                | 1.6                       | FWD<br>FWD | CVT                                       | 205/55R17<br>185/65R15           | 6,685<br>6,684     | 37.6<br>38.2 | 49.0<br>51.3 | 41.9968<br>43.1596                      | 3,000          | 42.6                     | 13,369               |
| Venue MT  | Venue                         | 1.6                       | FWD        | 6MT                                       | 185/65R15                        | 6 684              | 35.6         | 50.7         | 41.1097                                 | 2 750          | 41.1                     | 6 684                |
| Sonata 1.6T<br>Sonata 2.5 GDI                     | Sonata<br>Sonata              | 1.6<br>2.5                | FWD<br>FWD | SA8<br>SA8                                | 235/45R18<br>215/55R17           | 28,224<br>31,411   | 35.9<br>35.0 | 55.0<br>54.0 | 37.9868<br>39.3276                      | 3,500<br>3,500 | 42.5<br>42.5             | 28,224<br>62,821     |
| Sonata 2.3 GDI<br>Santa Fe 2.0 AWD AT             | Sonata<br>Santa Fe AWD        | 2.5                       | FWD<br>AWD | SA8<br>SA8                                | 205/65R16<br>235/55R19           | 31,410<br>15,868   | 36.7<br>24.8 | 56.1<br>36.0 | 43.4636<br>28.8372                      | 3,500<br>4,500 | 28.8                     | 15,868               |
| Santa Fe 2.0 FWD AT                               | Santa Fe FWD                  | 2.0                       | FWD        | SA8                                       | 235/55R19                        | 17,191             | 25.5         | 38.6         | 30.0963                                 | 4,000          | 30.1                     | 17,191               |
| Santa Fe 2.4 AWD AT                               | Santa Fe AWD<br>Santa Fe AWD  | 2.4                       | AWD        | SA8<br>SA8                                | 235/60R18<br>235/65R17           | 9,529<br>24,130    | 26.2         | 37.8<br>38.8 | 30.3978<br>31.4282                      | 4,000          | 31.1                     | 33,659               |
|   | Santa Fe FWD<br>Santa Fe FWD  | 2.4                       | FWD<br>FWD | SA8<br>SA8                                | 235/60R18<br>235/65R17           | 8 933<br>23,531    | 27.6<br>28.0 | 41.8<br>40.9 | 32.5806<br>32.6314                      | 4 000          |                          |                      |
| Santa Fe 2.4 FWD AT                               | Santa Fe FWD                  | 2.4                       | FWD        | SA8                                       | 235/60R18                        | 9,098              | 28.2         | 40.9         | 32.7804                                 | 4,000          | 32.7                     | 65,527               |
| Elantra GT 2.0 AT                                 | Santa Fe FWD<br>Elantra GT    | 2.4                       | FWD<br>FWD | SA8<br>SA6                                | 235/65R17<br>225/45R17           | 23 965<br>9.733    | 27.8<br>31.6 | 41.8<br>46.6 | 32.7335<br>36.9526                      | 4 000<br>3,000 | 37.0                     | 9,733                |
| Elantra GT 1.6T DCT                               | Elantra GT                    | 1.6                       | FWD<br>FWD | AM7<br>M6                                 | 225/40R18<br>225/40R18           | 2,080<br>666       | 32.0         | 46.4         | 37.1944                                 | 3,500          | 37.2<br>34.1             | 2,080<br>666         |
| Elantra GT 1.6T MT  Veloster 2.0 AT               | Elantra GT<br>Veloster        | 2.0                       | FWD        | SA6                                       | 215/45R17(Nex)                   | 1,042              | 29.3<br>36.9 | 42.6<br>50.9 | 34.0893<br>42.1123                      | 3,500<br>3,000 | 40.4                     | 2,041                |
| Veloster 2.0 MT                                   | Veloster<br>Veloster          | 2.0                       | FWD<br>FWD | SA6<br>M6                                 | 225/40R18(Nex)<br>215/45R17(Nex) | 999<br>208         | 33.7         | 47.6<br>48.4 | 38.7984<br>38.0621                      | 3,000          | 38.1                     | 208                  |
| Veloster 1.6 DCT                                  | Veloster                      | 1.6                       | FWD        | AM7                                       | 225/40R18(Nex)                   | 1,415              | 36.3         | 49.5         | 41.2500                                 | 3,000          | 41.2                     | 1,415                |
| Veloster 1.6 MT                                   | Veloster<br>Veloster          | 1.6                       | FWD<br>FWD | M6<br>M6                                  | 225/40R18(M)<br>225/40R18(Nex)   | 0<br>499           | 32.1<br>32.5 | 47.2<br>48.7 | 37.4983<br>38.2214                      | 3,000          | 38.2                     | 499                  |
| Veloster N 2.0 MT                                 | Veloster N<br>Veloster N      | 2.0                       | FWD<br>FWD | M6<br>M6                                  | 225/40R18<br>235/35R19           | 301<br>2 701       | 28.1         | 39.6<br>38.4 | 32.3242<br>31.3821                      | 3,500<br>3 500 | 31.5                     | 3,002                |
| Kona 1.6 AWD AT                                   | Kona AWD                      | 2.0                       | AWD        | AM7                                       | 235/45R18                        | 9,987              | 33.4         | 42.8         | 37.0630                                 | 3,500          | 37.1                     | 9,987                |
| Kona 1.6 FWD AT  Kona 2.0 AWD AT                  | Kona FWD<br>Kona AWD          | 2.0                       | FWD<br>AWD | AM7<br>SA6                                | 235/45R18<br>205/60R16           | 5,826<br>6 765     | 34.9<br>33.6 | 48.0<br>43.8 | 39.7862<br>37.5333                      | 3,500<br>3 500 | 39.8                     | 5,826<br>14,885      |
| **************************************            | Kona AWD<br>Kona FWD          | 2.0                       | AWD<br>FWD | SA6<br>SA6                                | 215/55R17<br>205/60R16           | 8,120<br>7.822     | 32.8<br>35.3 | 43.2<br>48.4 | 38.7850<br>40.1957                      | 3,500          | SHEETEDS:                | 2002000              |
| Kona 2.0 FWD AT                                   | Kona FWD                      | 2.0                       | FWD        | SA6                                       | 215/55R17                        | 9,403              | 35.9         | 48.5         | 40.6526                                 | 3,000          | 40.4                     | 17,225               |
| Tueson 2.0 AWD AT Tueson 2.0 FWD AT               | Tucson AWD Tucson FWD         | 2.0                       | AWD<br>FWD | SA6<br>SA6                                | 225/60R17<br>225/60R17           | 4,228<br>2,977     | 27.8<br>30.1 | 35.9<br>42.4 | 30.9416<br>34.6193                      | 3,500<br>3,500 | 30.9                     | 4,228                |
|   | Tucson FWD Tucson AWD         | 2.0                       | FWD<br>AWD | SA6<br>SA6                                | 225/60R17<br>245/45R19           | 41,176<br>4.305    | 29.1         | 42.9<br>35.3 | 34.0253<br>29.7085                      | 3,500<br>4,000 | 0 80/90GE1               | TEGERAL              |
| Tucson 2.4 AWD AT                                 | Tucson AWD                    | 2.4                       | AWD        | SA6                                       | 225/55R18                        | 19 370             | 27.5         | 36.9         | 31.0606                                 | 4 000          | 30.8                     | 23,675               |
| Tucson 2.4 FWD AT                                 | Tucson FWD Tucson FWD         | 2.4                       | FWD<br>FWD | SA6<br>SA6                                | 245/45R19<br>225/55R18           | 0                  | 27.9<br>27.9 | 40.9<br>40.6 | 32.5566<br>32.4707                      | 3,500<br>3,500 | 33.4                     | 30,883               |
| Tucson 247 ND AT                                  | Tucson FWD Tucson FWD         | 2.4                       | FWD<br>FWD | SA6<br>SA6                                | 245/45R19<br>225/55R18           | 6 863<br>24,020    | 27.8<br>28.8 | 41.1<br>42.4 | 32.5382<br>33.6582                      | 3 500<br>3,500 | 33.4                     | 30,003               |
|   | G70 AWD                       | 2.0                       | AWD        | SA8                                       | 225/45R18(F)                     | 2,898              | 26.4         | 39.6         | 31.0588                                 | 4,000          |                          |                      |
| G70 2.0 AWD AT                                    | G70 AWD                       | 2.0                       | AWD        | SA8                                       | 255/45R18(R)<br>225/40R19(F)     | 1,875              | 25.3         | 37.1         | 29.5260                                 | 4,000          | 30.4                     | 4,773                |
|   | G70 RWD                       | 2.0                       | RWD        | SA8                                       | 255/35R19(R)<br>225/45R18(F)     |                    | 28.7         | 43.5         | 33.8884                                 | 4,000          | 5 5                      |                      |
| G70 2.0 RWD AT                                    |                               | 20 10                     | 1000000    | 1000000                                   | 255/45R18(R)<br>225/40R19(F)     | 4,433              | 1,527,522    | 1000         | 100000000000000000000000000000000000000 | 200000         | 33.1                     | 7,501                |
| 7/00/2/55/20/20/20/20/20/20/20/20/20/20/20/20/20/ | G70 RWD                       | 2.0                       | RWD        | SA8                                       | 255/35R19(R)<br>225/40R19(F)     | 3,068              | 27.2         | 40.5         | 31.9166                                 | 4,000          | 5,000                    | 100.00               |
| G70 2.0 RWD MT                                    | G70 RWD                       | 2.0                       | RWD        | M6  | 255/35R19(R)                     | 511                | 23.1         | 39.3         | 28.3608                                 | 4000           | 28.4                     | 511                  |
| G70 3.3 AWD AT(PS4, PS4S)                         | G70 AWD                       | 3.3                       | AWD        | SA8                                       | 225/40R19(F)<br>255/35R19(R)     | 1,364              | 22.1         | 34.8         | 26.4425                                 | 4000           | 26.4                     | 1,364                |
|   | G70 AWD                       | 3.3                       | AWD        | SA8                                       | 225/40R19(F)<br>255/35R19(R)     | 0                  | 22.1         | 34           | 26.2315                                 | 4000           |                          |                      |
| G70 3.3 RWD AT(PS4, PS4S)                         | G70 RWD                       | 3.3                       | RWD        | SA8                                       | 225/40R19(F)<br>255/35R19(R)     | 2,900              | 22.7         | 36.2         | 27.2777                                 | 4000           | 27.3                     | 2,900                |
| GIO S.S. KHO KI (F34, F343)                       | G70 RWD                       | 3.3                       | RWD        | SA8                                       | 225/40R19(F)<br>255/35R19(R)     | 0                  | 22.7         | 35.3         | 27.0439                                 | 4000           | 27.0                     | 2,500                |
| G80 3.3 AWD AT                                    | G80 AWD                       | 3.3                       | AWD        | SA8                                       | 245/40R19(F)<br>275/35R19(R)     | 635                | 21.3         | 34           | 25.6037                                 | 5000           | 25.6                     | 635                  |
| G80 3.3 RWD AT                                    | G80 RWD                       | 3.3                       | RWD        | SA8                                       | 245/40R19(F)                     | 952                | 21.7         | 35.5         | 26.3008                                 | 4500           | 26.3                     | 952                  |
|   | G80 AWD                       | 3.8                       | AWD        | SA8                                       | 275/35R19(R)<br>245/45R18        | 826                | 21.9         | 34.5         | 26.2071                                 | 4500           | 27.200.5                 | 100000               |
| G80 3.8 AWD AT                                    | G80 AWD                       | 3.8                       | AWD        | SA8                                       | 245/40R19(F)<br>275/35R19(R)     | 763                | 22.2         | 33.7         | 26.2275                                 | 4500           | 26.2                     | 1,589                |
| G80 3.8 RWD AT                                    | G80 RWD                       | 3.8                       | RWD        | SA8                                       | 245/45R18<br>245/40R19(F)        | 1,715              | 23.5         | 37.6         | 28.2707                                 | 4500           | 27.7                     | 2,859                |
| 0.0000000000000000000000000000000000000           | G80 RWD                       | 3.8                       | RWD        | SA8                                       | 275/35R19(R)                     | 1,144              | 22.5         | 35.1         | 26.8349                                 | 4500           | 50000                    | 1,000                |
| G80 5.0 AWD AT                                    | G80 AWD                       | 5.0                       | AWD        | SA8                                       | 245/40R19(F)<br>275/35R19(R)     | 127                | 18.7         | 31.7         | 22.9319                                 | 5000           | 22.9                     | 127                  |
| G80 5.0 RWD AT                                    | G80 RWD                       | 5.0                       | RWD        | SA8                                       | 245/40R19(F)<br>275/35R19(R)     | 191                | 19.7         | 34.1         | 24.3219                                 | 4500           | 24.3                     | 191                  |
| loniq 1.6 AT                                      | loniq<br>loniq                | 1.6                       | FWD<br>FWD | AM6<br>AM6                                | 195/65R15<br>225/45R17           | 5,753<br>4 131     | 75.7<br>68.3 | 78.5<br>70.4 | 76.9349<br>69.2293                      | 3500<br>3500   | 73.5                     | 9,884                |
| loniq BLUE 1.6 AT<br>Sonata Hybrid Blue           | Ioniq Blue<br>Sonata HEV Blue | 1.6                       | FWD<br>FWD | AM6<br>SA6                                | 195/65R15<br>205/65R16           | 4 868<br>4,500     | 75.7<br>56   | 79.1<br>64   | 77.1931<br>59.3377                      | 3000<br>3500   | 77.2<br>59.3             | 4 868<br>4,500       |
| Sonata Hybrid                                     | Sonata HEV                    | 2.0                       | FWD        | SA6                                       | 215/55R17                        | 4,501              | 55.9         | 64           | 59,276                                  | 3500           | 59.3                     | 4,501                |

| Ioniq PHEV | Ioniq Plug-in Hybrid | 1.6      | FWD | AM6 | 205/55R16 | 5 690 | 208.9 | 109.2 | 148.0666 | 3500 | 148.1 | 5 690 |
|------------|----------------------|----------|-----|-----|-----------|-------|-------|-------|----------|------|-------|-------|
| Ioniq EV   | Ioniq Electric       | Electric | FWD | A1  | 205/55R16 | 1 743 | 502.9 | 419.6 | 461.6578 | 3500 | 461.7 | 1 743 |
| Kona EV    | Kona Electric        | Electric | FWD | A1  | 215/55R17 | 7,119 | 475.9 | 378.6 | 426.5676 | 4000 | 426.6 | 7,119 |
| Nexo       | NEXO                 | Fuelce I | FWD | A1  | 245/45R19 | 205   | 576   | 522.9 | 550.8287 | 4500 | 550.8 | 205   |
| Nexo Blue  | NEXO Blue            | Fuelce I | FWD | A1  | 225/60R17 | 115   | 635.8 | 561.7 | 600.1712 | 4000 | 600.2 | 115   |

| Average            | 39.5       |
|--------------------|------------|
| ROUNDED Avg. comb. | 39.1325    |
| Multiplied Factor  | 1.00688412 |
| 'a'                | 1.4583     |
| C' FACTOR          | 0.0014     |
| IW (Added Factor)  | 0.11129607 |
| SF3IWC             | 0.3283     |
| FE3IWC             | 45.5952    |
| SF4ETW             | 0.2409     |
| FE4IWC             | 32.8449    |

\$600.510 12 : AFE<sub>adj</sub> AFE[((0.55 × a × c) + (0.45 × c) + (0.5556 × a) + 0.4487)/((0.55 × a) + 0.45)] + IW

| Model ype<br>Description   | Carine                        | Basic<br>Eng ne<br>(disp) | Drive | /M<br>class | Base Ire                                     | Engine code         | LVW          | E W          | Eng<br>Disp | Net rated<br>power<br>(KW) | Net<br>horsepower | Fuel<br>system | Emission<br>control<br>system | M          | Number of<br>forward<br>speed | O/D       | NV    | Axie ratio | Combined<br>FE     | Projected<br>sa es | Passenger<br>Volume | Luggage<br>Volume | Interior<br>Volume<br>Index | Body style                           | Road<br>load<br>power at<br>50 mph |   |
|--|-------------------------------|---------------------------|-------|-------------|--|---------------------|--------------|--------------|-------------|----------------------------|-------------------|----------------|-------------------------------|------------|-------------------------------|-----------|-------|------------|--------------------|--------------------|---------------------|-------------------|-----------------------------|--------------------------------------|------------------------------------|---|
| Accent 16 CV   | Accent                        | 1.6                       | PWD   | CVT         | 205/ 5R17<br>185/65R15                       | G FM-CV             | 2,926        | 2,875        | 1.6         | 90                         | 120               | SFI            | TWC                           | CVT        | 1                             | Yes       | 29.9  | 5.5        | 7.5221<br>50.6626  | 18 518             | 90 50               | 18.00             | 108.50                      | (Compact Care)<br>(Compact Care)     | 9.3                                | 2 |
| Accent 1 6 M   | Accent<br>G90 AWD             | 1.6                       | PWD   | M6<br>SAB   | 18565R15<br>2 5/ 5R19(F)                     | G FM-MC             |              | -            | 1.6         | 90                         | 120               | SFI            | TWC                           | SAS        | 6                             | Yes       | 2.0   | .06        | 7210               | 939                | 90 50               | 18.00             | 108.50                      | (Compact Cars)                       | _                                  | 2 |
| G90 3 3 AWD  | -                             | 3.3                       | AWD   |             | 275/ OR19(R)<br>2 5/ SR19(F)                 | GROP-AC             | 5,117        | 5,000        | 3.3         | 272                        | 365               | DFI            | TWC                           |            | 170                           | Yes       | 2.9   | 3.5        | 26.0205            | 92                 | 113 20              | 1000              | 128.00                      | 6(Large cars)                        | 15.6                               |   |
| G90 13 RWD   | GRO RWO                       | 3.3                       | RWD   | SAS         | 2 5/ SR19(F)<br>275/ OR19(R)<br>2 5/ SR19(F) | GEOP-AC             | ,963         | 5,000        | 3.3         | 272                        | 365               | DFI            | TWC                           | SAS        | 8                             | Yes       | 2.9   | 3.5        | 25.3500            | 585                | 113 20              | 1 .80             | 128.00                      | 6(Large care)                        | 15.0                               | - |
| GBO S O AWD  | GRO AWD                       | 5.0                       | OWA   | SAB         | 275/ OR19(R)                                 | GBBE-AC             | 5,260        | 5,250        | 5.0         | 313                        | 20                | DFI            | TWC                           | SAS        | . 8                           | Yes       | 2.9   | 3.5        | 23.2150            | 739                | 113 20              | 1 .80             | 128.00                      | 6(Large cars)                        | 15.                                | 5 |
| GBO S G RWD  | GRO RWO                       | 5.0                       | RWD   | SAB         | 2 5/ 5R19(F)<br>275/ 0R19(R)                 | GBBE-AC             | 6,106        | 5,000        | 5.0         | 313                        | 20                | DFI            | TWC                           | SAS        | 8                             | Yes       | 2.9   | 3.5        | 2 .0295            | 832                | 113 20              | 1 .80             | 128.00                      | 6(Large cars)                        | 1.5                                |   |
| Elentra 1 4 DC<br>Elentra 1 6 DC   | Claritra                      | 1.                        | PWD   | AM7         | 19565R15<br>225/ OR18                        | G LD-AMO            |              | 3,125        | 1.6         | 95                         | 128               | DFI            | TWC                           | AM7        | 7                             | Yes       | 31.6  | 3.1        | 9.9080             | 18 3               | 95 80<br>95 80      | 1.0               | 110.20                      | 5(Mds zs cars)<br>5(Mds zs cars)     | 11.8                               |   |
| Clantra 16 M   | Elentra                       | 1.6                       | PWD   | MS          | 225/ OR15                                    | G FJ-MC             | 3,36         | 3,375        | 1.6         | 150                        | 201               | DFI            | TWC                           | MS         | 6                             | Yes       | 39.2  | - 7        | 3 .8995            | 0                  | 95 80               | 1.0               | 110.20                      | 5(Mds ze cam)                        | 12.1                               | 3 |
| 100000000000000000000000000000000000000  | Claritie                      | 2.0                       | PWD   | CVT         | 220/ 5R17<br>220/ 5R17                       | G NH-CVS            |              |              | 2.0         | 110                        | 1.7               | SFI            | TWC                           | CVT        | 1                             | Yes       | 263   | .89        | 5.1828             | 5 550<br>7 353     | 95 80<br>95 80      | 1.0               | 110.20                      | 5(Mds ze cem)<br>5(Mds ze cem)       | 10.3                               |   |
| Elantra 2 0 CV   | Clerkte                       | 2.0                       | PWD   | CVT         | 20565R16                                     | G NH-CVS            | 3,179        | 3,125        | 2.0         | 110                        | 1.7               | SFI            | TWC                           | CVT        | 1 1                           | Yes       | 26.   | .89        | 6.6839             | 8 359              | 95 80               | 1.0               | 110.20                      | 5(Mde ze cem)                        | 9.5                                | 3 |
|  | Clarita<br>Clarita SE         | 2.0                       | FWD   | CVT         | 205/55R16<br>195/65R15                       | G NHCVS             | 3,179        | 3,125        | 2.0         | 110                        | 17                | SF1            | TWC                           | CVT        | 1                             | Yes       | 26.3  | .89        | 6.3 60<br>9.1 38   | 6 078<br>19 520    | 95 80<br>95 80      | 1.0               | 110.20                      | 5(Mds ze cem)<br>5(Mds ze cem)       | 9.5<br>9.2                         | 1 |
| E antra SE 2 6 CV  | Claretra SE                   | 2.0                       | PWD   | CVT         | 19565R15                                     | G NH-CV             | 3,1          | 3,125        | 2.0         | 110                        | 17                | SFI            | TWC                           | CVT        | 1.                            | Yes       | 263   | .89        | 6, 505             | 26 261             | 95 80               | 1.0               | 110.20                      | 5(Mide ze cere)                      | 9.2                                |   |
| Eantra 2 0 M   | Claritie<br>Versus            | 1.6                       | PWD   | CVT         | 19565R15<br>20565R17                         | G NH-MC             |              |              | 1.6         | 110                        | 1.7               | 5F1            | TWC                           | CVT        | 6                             | Yes       | 38.3  | 8. 8       | 0.981              | 6 605              | 95 80<br>91 90      | 1.0               | 110.20                      | 5(Mdaza cam)<br>5(Mdaza cam)         | 11.9                               | - |
| Venue CV   | Venue                         | 1.6                       | PWD   | CVT         | 18565R15                                     | G FM-CV             | 2,969        | 3,000        | 1,6         | 90                         | 121               | SFI            | TWC                           | CVT        | 1                             | Yes       | 33.1  | 6.05       | 3.1595             | 6 63               | 91 90               | 18.70             | 110.60                      | 5(Mde ze cem)                        | 11.3                               |   |
| Venue M<br>Sonata 1 6  | Venue<br>Sonete               | 1.5                       | FWD   | TMS         | 185/65R15<br>235/ 5R18                       | G FP-AC             |              |              | 1.6         | 13                         | 121               | SFI<br>DFI     | TWG                           | SAS        | 6                             | Yes       | 28.3  | 337        | 1.1097             | 6 68<br>28 22      | 105 00              | 16.00             | 121.00                      | 5(Mds ze cars)<br>6(Large cars)      | 11.3                               |   |
| Sonata 2 5 GDI   | Sonata                        | 2.5                       | PWD   | SAB         | 21565R17                                     | G KN-ACS            | 3, 99        | 3,500        | 2.5         | 13                         | 191               | DFI SFI        | TWC                           | SAS        | 8                             | Yes       | 26.9  | 3.20       | 39.3276            | 31, 11             | 105 00              | 16.00             | 121.00                      | 6(Large care)                        | 10.9                               |   |
| Santa Fe 2 0 AWD A   | Sonata<br>Santa Fe AWD        | 2.5                       | OWN   | SAB         | 20565R16<br>23565R19                         | G KN-ACS            | 3, 20        | 3,375        | 2.5         | 1.3                        | 191               | DFI SFI        | TWC                           | SAS        | 8                             | Yes       | 27.0  | 3.20       | 3, 636             | 31, 10             | 105 00              | 16.00<br>SUV      | 121.00                      | 6(Large care)<br>31(Sma1SUV_WD       | 10.                                |   |
| Senta Fe 20 FWD A  | Senta Fe FWD                  | 2.0                       | PWD   | SAB         | 23565R19                                     | G KH-AC             |              |              | 2.0         | 175                        | 235               | DFI            | TWC                           | SAB        | 8                             | Yes       | 25.7  | 3.32       | 30.0983            | 17,191             |                     | SUV               |                             | 30(SmallSUV 2WD                      | 1.8                                |   |
| Santa Fe 2 4 AWD A   | Sents Fe AWO                  | 2.                        | OWA   | SAB         | 235/60R16<br>235/65R17                       | G KU-AC             | ,22          | 250          | 2 2         | 138                        | 188               | DFI            | TWC                           | SAS        |                               | Yes       | 31.3  | .10        | 30.3978            | 9 529              |                     | SUV               |                             | 31(Sme1SUV WO<br>31(Sme1SUV WO       | 15.0                               |   |
| A CONTRACTOR OF THE PARTY OF TH | Santa Fe FWD                  | 2.                        | PWD   | SAB         | 235/60R18                                    | G KU-AC             | ,081         | ,000         | 2           | 138                        | 185               | DFI            | TWC                           | SAS        | 8                             | Yes       | 29.1  | 3.80       | 32.5005            | 8 933              |                     | SUV               |                             | 30(SmallSUV 2WD                      | 1.5                                |   |
| Senta Fe 24 FWD A  | Santa Fe FWD                  | 2.                        | PWD   | SAB         | 235/65R17<br>235/60R18                       | G KLACS             | 3,916        | 3,875        | 2.          | 138                        | 185               | DFI            | TWC                           | SAS        | 8                             | Yes       | 29.2  | 3.80       | 32.631             | 23 531             |                     | SUV               |                             | 30(Small SUV 2WD<br>30(Small SUV 2WD | 1.2                                |   |
|  | Santa Fe FWD                  | 2.                        | PWD   | SAB         | 23565R17                                     | G KU-ACS            |              |              | 2           | 138                        | 186               | DFI            | TWC                           | SAS        | 8                             | Yes       | 29.2  | 3.80       | 32.7335            | 23 965             |                     | SUV               |                             | 30(Sma   SUV 2WD                     | 1.2                                |   |
| Elentra G 20 A   | Elentra GT                    | 2.0                       | FWD   | SAS         | 225/ 5R17                                    | G NC-AC             |              |              | 2.0         | 120                        | 161               | DFI            | TWC                           | SAS        | 6                             | Yes       | 35.3  | 3.27       | 36.9826            | 9 733              | 97 00               | 25.00             | 122.00                      | 5(Large care)                        | 11.3                               |   |
| Elantra G 16 DC  | Electra GT                    | 1.6                       | PWD   | AM7<br>M6   | 225/ OR18<br>225/ OR18                       | G FJ-MC             |              |              | 1.5         | 150                        | 201               | DFI            | TWC                           | AMT        | 6                             | Yes       | 35.6  | 3.61       | 37.19              | 2 080              | 97 00<br>97 00      | 25.00<br>25.00    | 122.00                      | 6(Large care)<br>6(Large care)       | 12.5                               |   |
| Velouter 2 0 A   | Veceter                       | 2.0                       | PWD   | SAS         | 215/ SR17(Nex)                               | G NH-AC             | 3,03         | 3,000        | 2.0         | 110                        | 17                | 5F1            | TWC                           | SAS        | 6                             | Yes       | 37.6  | 3.         | 2.1123             | 102                | 89 90               | 20.00             | 109.90                      | (Compact Cars)                       | 11.5                               |   |
| Veloster 2 0 M   | Ve ceter<br>Ve ceter          | 2.0                       | PWD   | SAS         | 225/ OR18(Nex)<br>215/ SR17(Nex)             | G NH-AC             |              | 3,125        | 2.0         | 110                        | 1.7               | SFI            | TWC                           | SAS        | 6                             | Yes       | 37.1  | 3. 7       | 38.798             | 208                | 89.90               | 20.00             | 109.90                      | (Compact Cars)                       | 12.3                               |   |
| Veloster 1 6 DC  | Ve ceter                      | 1.6                       | FWD   | AMT         | 225/ OR15(Nex)                               | G FJ-AMC            |              |              | 1.6         | 150                        | 201               | DFI            | TWC                           | AMT        | 7                             | Yes       | 35.8  | 3.51       | 1.2500             | 1, 15              | 89 90               | 20.00             | 109.90                      | (Compact Cars)                       | 11.8                               |   |
| Veloater 16 M  | Ve ceter<br>Ve ceter          | 1.6                       | FWD   | MS          | 225/ OR15(M)<br>225/ OR15(Nex)               | G FJ-MC             |              |              | 1.6         | 150                        | 201               | DFI            | TWC                           | MS         | 6                             | Yes       | 38.9  | . 7        | 37. 983<br>38.221  | 98                 | 59 90<br>59 90      | 20.00             | 109.90                      | (Compact Care)<br>(Compact Care)     | 12.7                               | + |
| Veloster N 2 0 M   | Ve ceter N                    | 2.0                       | FWO   | M6          | 225/ OR18                                    | G KH-MC             | 3,336        | 3,375        | 2.0         | 187                        | 250               | DFI            | TWC                           | MS         | 6                             | Yes       | 37.5  | 3.18       | 32.32 2            | 301                | 69 90               | 20.00             | 109.60                      | (Compact Cars)                       | 13.0                               |   |
| Kona 16 AWD A  | Ve ceter N<br>Kore AWD        | 2.0                       | DWD   | MS<br>AM7   | 235/35R19<br>235/ 5R18                       | G FJ-AMC            |              |              | 2.0         | 205                        | 275<br>175        | DFI            | TWC                           | MIS<br>AM7 | 6 7                           | Yes       | 37.7  | 3.25       | 31.3821            | 2701               | 89.90               | 20.00<br>SUV      | 109.80                      | (Compact Care)<br>31(Small SUV WD    | 13.                                |   |
| Kona 16 FWO A  | Kons PWD                      | 2.0                       | PWD   | AM7         | 235/ 5R15                                    | G FJ-AMC            |              |              | 1.5         | 131                        | 175               | DFI            | TWC                           | AM7        | 7                             | Yes       | 30.5  | 3.17       | 39.7862            | 5 826              |                     | SUV               |                             | 30(Sma18UV 2WD                       | 12.8                               |   |
| Kona 20 AWD A  | Kora AWD<br>Kora AWD          | 2.0                       | OWA   | SAS         | 205/60R16<br>215/65R17                       | G NH-AC             |              |              | 2.0         | 110                        | 17                | SF1            | TWC                           | SAS        | 6                             | Yes       | 37.9  | 3.65       | 37.5333            | 6.765<br>A.120     |                     | SUV               |                             | 31(SmalSUV WD<br>31(SmalSUV WD       | 13.8                               |   |
| Kona 2 0 FWD A   | Kora PWD                      | 2.0                       | FWD   | SAS         | 20560R16                                     | G NH-AC             | 3,206        | 3,250        | 2.0         | 110                        | 17                | SFI            | TWC                           | SAS        | 6                             | Yes       | 36.6  | 351        | 0.1957             | 7 822              |                     | SUV               |                             | 30(Sma15UV 2WD                       | 12.3                               |   |
| ucano 20 AWO A   | Kora PWD                      | 2.0                       | OWN   | SAS         | 21565R17<br>22560R17                         | G NH-AC<br>GENC-AC  | 3,237        | 3,250        | 2.0         | 110                        | 1.7               | SFI            | TWC                           | SAS        | 6                             | Yes       | 36.0  | 351        | 0.6526             | 9, 03              |                     | SUV               |                             | 30(Sma1SUV 2WD<br>31(Sma1SUV WD      | 12.6                               | + |
| urson 2 0 FWD A  | Tuceon FWD                    | 2.0                       | FWD   | SAS         | 22560R17                                     | GENC-AC             | 3,636        | 3,625        | 2.0         | 120                        | 161               | DFI            | TWC                           | SAS        | 6                             | Yes       | 35.5  | 3.65       | 3 .6193            | 2 977              |                     | SUV               |                             | 30(Small SUV 2WD                     | 13.2                               | t |
| 7  | Tucson FWD Tucson AWD         | 2.0                       | DW1   | SAS         | 22560R17                                     | GENC-ACS<br>G KI-AC |              |              | 2.0         | 120                        | 181               | DFI            | TWC                           | SAS        | 6                             | Yes       | 35.5  | 3.65       | 3 .0253            | 1,176              |                     | SUV               |                             | 30(Sme15UV 2WD<br>31(Sme15UV WD      | 13.2                               |   |
| ucson 24 AWD A   | Tuceon AWD                    | 2.                        | AWD   | SAB         | 22565R18                                     | G KU-AC             | 3,863        | 3,875        | 2           | 138                        | 181               | DFI            | TWC                           | SAS        | 6                             | Yes       | 31.1  | 3.20       | 31.0808            | 19 370             |                     | SUV               |                             | SI(SmalSUV WD                        | 15.7                               | 1 |
|  | Tucson FWD<br>Tucson FWD      | 2.                        | PWD   | SAS         | 2 5/ 5R19                                    | G KU-AC             | 3,792        | 3,750        | 2.          | 135                        | 181               | DFI            | TWC                           | SAS        | 6                             | Yes       | 29.8  | 3.06       | 32.5566            | 0                  |                     | SUV               |                             | 30(Sma1SUV 2WD<br>30(Sma1SUV 2WD     | 1.5                                |   |
| ucaon 2 4 FWD A  | Tucson FWD                    | 2.                        | PWD   | SAB         | 22565R18<br>2 5/ 5R19                        | G KI-ACS            | 3,792        | 3,750        | 2           | 135                        | 181               | DFI            | TWC                           | SAS        | 6                             | Yes       | 29.8  | 3.06       | 32.5382            | 6 863              |                     | SUV               |                             | 30(Sma I SUV 2WD                     | 1.6                                |   |
|  | Tuceon FWD                    | 2.                        | FWD   | SAS         | 225/55R18<br>225/ 5R18(F)                    | G KU-ACS            |              | 100          | 2           | 135                        | 181               | DFI            | TWC                           | SAS        | 6                             | Yes       | 29.5  | 3.06       | 33.6582            | 2 020              |                     | SUV               |                             | 30(Sma1SUV 2WD                       | 1.3                                | - |
| G70 20 AWD A   | G70 AWD                       | 2.0                       | OWA   | SAB         | 255/ 5R18(R)                                 | G KL-AC             | 3,973        | ,000         | 2.0         | 188                        | 252               | DFI            | TWC                           | SAS        | 8                             | Yes       | 26.3  | 3.5        | 31.0588            | 2 898              | 93 80               | 10.50             | 10 .30                      | (Compact Cars)                       | 1.5                                | + |
| 10.000 (Contract Contract Cont | G70 AWD                       | 2.0                       | OWA   | SAB         | 225/ OR19(F)<br>255/35R19(R)                 | G KL-AC             | ,127         | ,250         | 2.0         | 188                        | 252               | DFI            | TWC                           | SAS        | 8                             | Yes       | 262   | 3.5        | 29.5260            | 1 875              | 93 80               | 10.50             | 10 30                       | (Compact Care)                       | 15.9                               | 1 |
| G70 20 RWD A   | G70 RWO                       | 2.0                       | RWD   | SAB         | 225/ 5R16(F)<br>255/ 5R16(R)                 | G NL-AC             | 3,016        | 3,875        | 2.0         | 188                        | 252               | DFI            | TWC                           | SAS        | 8                             | Yes       | 263   | 3.5        | 33.688             | , 33               | 93 80               | 10.50             | 10 .30                      | (Compact Cars)                       | 12.8                               | T |
|  | G70 RWO                       | 2.0                       | RWD   | SAB         | 255/ SR16(R)<br>225/ GR19(F)<br>255/35R19(R) | G HL-AC             | 3,917        | ,000         | 2.0         | 188                        | 252               | DFI            | TWC                           | SAS        | 8                             | Yes       | 262   | 3.5        | 31.9166            | 3 088              | 93 80               | 10.50             | 10 30                       | (Compact Cars)                       | 1.0                                | T |
| G70 2 0 RWD M  | G70 RWO                       | 2.0                       | RWD   | MS          | 225/ OR19(F)<br>255/35R19(R)                 | G KL-MC             | 3,580        | ,000         | 2.0         | 190                        | 255               | DFI            | TWC                           | MS         | 6                             | Yes       | 37.   | 3.5        | 28.3608            | 511                | 93 80               | 10.50             | 10 .30                      | (Compact Care)                       | 10                                 | t |
| 41.00.00.00.00.00.00.00.00   | G70 AWD                       | 3.3                       | AWD   | SAS         | 225/ OR19(F)                                 | GROP-AC             | 213          | ,250         | 3.3         | 272                        | 365               | DFI            | TWC                           | SAS        | 8                             | Yes       | 26.2  | 35         | 26. 25             | 138                | 93 80               | 10.50             | 10 30                       | (Compact Cars)                       | 15.9                               | + |
| 10 3 3 AWD A (PS4 PS4S)  | G70 AWD                       | 3.3                       | AWD   | SAB         | 255/35R19(R)<br>225/ OR19(F)                 | GROP-AC             | 213          | 250          | 3.3         | 272                        | 365               | DFI            | TWC                           | SAS        |                               | Yes       | 262   | 35         | 25.2315            | 0                  | 93 80               | 10.50             | 10 30                       | (Compact Care)                       | 16.0                               | + |
|  | G70 RWD                       | 33                        | RWD   | SAB         | 255/35R19(R)<br>225/ OR19(F)                 | GEOP-AC             | D7           | 250          | 3.3         | 272                        | 365               | DFI            | TWC                           | SAS        | 8                             | Yes       | 26.2  | 35         | 27.2777            | 2 900              | 23 80               | 10.50             | 10 30                       | (Compact Care)                       | 15.0                               | + |
| 0 3 3 RWD A (PS4 PS4S)   | GZD RWO                       | 33                        | RWD   | SAR         | 255/35R19(R)<br>225/ OR19(F)                 | GROP-AC             | 87           | 250          | 33          | 272                        | 365               | DEL            | TWC                           | SAS        |                               | Yes       | 26.2  | 35         | 27.0 39            | 2800               | 93.80               | 10.50             | 10 30                       | (Compact Care)                       | 15.0                               | + |
| GBS 33 AWD A   | GRO AWD                       |                           | AWD   | SAB         | 25505R19(R)<br>2 5/ 0R19(F)                  | GROP-AC             | -            | -            |             |                            | -                 |                |                               | SAS        | _                             |           |       |            | 25.6037            |                    | 10.99.90            |                   |                             | (early and                           | -                                  | 4 |
| Control of the Contro |                               | 3.3                       |       |             | 275/35R19(R)                                 |                     | ,97          | 5,000        | 3.3         | 272                        | 365               | DFI            | TWC                           | SAS        | 8                             | Yes       | 25.6  | 3.5        |                    | 638                | 107 70              | 15.30             | 123.00                      | 6(Large cars)                        | 15.9                               | 4 |
| G80 3 3 RWD A  | G80 RWO                       | 3.3                       | RWD   | 5A8         | 2 5/ OR19(F)<br>275/35R19(R)                 | GROP-AC             | ,819         | ,750         | 3.3         | 272                        | 365               | DFI            | TWC                           | SAS        | 8                             | Yes       | 25.6  | 3.5        | 25.3008            | 952                | 107 70              | 15.30             | 123.00                      | 6(Large cars)                        | 15.2                               | 1 |
| GBS S S AWO A  | G80 AWD                       | 3.8                       | OWA   | SA8<br>SA8  | 2 5/ 5R18<br>2 5/ 0R19(F)                    | GEDN-AC             | ,758<br>80   | ,750<br>,750 | 3.8         | 232                        | 311               | DFI            | TWC                           | SAS        | 8                             | Yes       | 26.3  | 3.91       | 26.2071            | 828<br>763         | 107 70              | 15.30             | 123.00                      | S(Large cars)<br>S(Large cars)       | 16.3                               | - |
|  | G80 RWD                       | 3.8                       | RWD   | SAB         | 27505R19(R)<br>2 5/ 5R16                     | GEDN-AC             | .003         | ,750         | 3.8         | 232                        | 311               | DFI            | TWC                           | SAS        |                               | Yes       | 25.6  | 3.91       | 28.2707            | 1715               | 107 70              | 15.30             | 123.00                      | 6(Large cars)<br>6(Large cars)       | 13.9                               | ┙ |
| G89 3 8 RWD A  | GBO RWO                       | 3.0                       | RWD   | SAB         | 2 5/ OR19(F)                                 | GEON-AC             | ,503<br>,550 | ,750         | 3.8         | 232                        | 311               | DFI            | TWC                           | SAS        | •                             | Yes       | 28.3  | 3.91       | 26.83 9            | 1.719              | 107 70              | 15.30             | 123.00                      | S(Large care)                        | 139                                |   |
| GROSO AWO A  | G80 AWD                       | 5.0                       | AWD   | SAB         | 27505R19(R)<br>2 5/ OR19(F)                  | GBBE-AC             | 5,016        | 5,000        | 5.0         | 313                        | 20                | DFI            | TWC                           | SAS        | 8                             | Yes       | 25.6  | 35         | 22 9319            | 127                | 107.70              | 15.30             | 123.00                      | S(Large cars)                        | 163                                | + |
| GBS 50 RWD A   | G80 RWD                       |                           | RWD   | SAS         | 275/35R19(R)<br>2 5/ 0R19(F)                 | GBBS-AC             |              | .750         | 5.0         |                            | 20                | DFI            |                               | SAS        |                               | _         | 25.6  | -          | 2 3219             | 191                | 107 70              |                   |                             |                                      | 1.5                                | + |
|  |                               | 5.0                       | FWD   | SAS         | 275/35R19(R)                                 | G LE-AC             | ,561         |              | 1.6         | 313<br>78                  | 10                | DFI            | TWC                           | AMS        |                               | Yes       | 32.6  | 3.5        | 2 3219<br>7693 9   | 191<br>5753        | 107 70<br>96 20     | 15.30             | 123.00                      | 5(Large cars)                        | 9.1                                | 4 |
| beig 16 A  | oniq                          | 1.6                       | FWD   | AMS         | 19565R15<br>225/ 5R17                        | G LE-AC             | 3, 15        | 3,375        | 1,6         | 78                         | 10                | DFI            | TWC                           | AM6        | 6                             | Yes       | 32.5  | 3.05       | 69.2293            | ,131               | 96 20               | 26.50             | 122.70                      | 6(Large care)<br>6(Large care)       | 10.2                               | 1 |
| loniq BLUE 1 6 A   | oniq Elius                    | 1.6                       | PWD   | AMB<br>BAB  | 19565R15<br>20565R16                         | G LE-AC             | 3,298        | 3,250        | 1.6         | 78                         | 10                | DFI            | TWC                           | AMB        | 6                             | Yes       | 32.6  | 3.05       | 77.1931<br>59.3377 | 865<br>500         | 98 20               | 28.50             | 122.70                      | 6(Large care)                        | 9.1                                |   |
| Sonata Hybrid Blue<br>Sonata Hybrid  | Sonata HEV Blue<br>Sonata HEV | 2.0                       | FWD   | SAS         | 205/65R16<br>215/65R17                       | G NR-AC             |              |              | 2.0         | 112                        | 150               | DFI            | TWC                           | SAS        | 6                             | Yes       | 36.0  | 351        | 59.3377<br>59.2760 | 501                | 105 00              | 16.00             | 121.00                      | 5(Large cars)<br>5(Large cars)       | 9.3                                |   |
| loniq PHEV   | oniq Plug-in Hybr             | 1.6                       | PWD   | AMS         | 205/5SR16                                    | G LE-AMC            |              |              | 1.5         | 78                         | 10                | DFI            | TWC                           | AMS        | 6                             | Yes       | 7     | .19        | 1 8.0666           | 5 690              | 96 20               | 23.00             | 119.20                      | 5(Mda za cam)                        | 9.8                                |   |
| Konig EV<br>Kons EV  | oniq Eachto<br>Kona Electro   | Electric<br>Electric      | FWD   | A1          | 20555R16<br>21555R17                         | EM10<br>EM16        |              |              | 0.0         | 25                         | 33<br>37          | EL.            | NIA<br>NIA                    | A1         | -                             | N/A<br>No | 155.1 | 3.3        | 61.6578<br>26.5676 | 7,119              | 96 20               | 23.00<br>SUV      | 119.20                      | 5(Mds ze care)<br>30(Sma I SUV 2WD   | 9.6                                |   |
|  | NEXO                          | Fuebel                    | PWD   | _           | 2 5/ 5819                                    | FM12                |              | ,500         | 0.0         | 120                        | 161               | н              | NA                            | At         |                               | Yes       | 1003  | 353        | 550.5267           | 205                |                     | SUV               |                             |                                      | 15.0                               |   |

### IV. A/C Efficiency Credits

| Model ype<br>Description                 | Carline                      | Basio<br>Engine<br>(disp) | Drive      | /M<br>class<br>(Drive<br>type<br>gear) | Retrig<br>erant  | A/C Drive<br>System        | Projected sales | Reduo'd<br>Reheat<br>with<br>variable<br>displ<br>compres<br>sor<br>16 gpm |     | Default to<br>Regire with<br>feedback<br>sensor |     | Efficient<br>Blower Motor<br>Controls |            | Improved<br>Condensor<br>and/or<br>Evaporator<br>(requirec EPA<br>approval) | Oil Separator<br>(requires EPA<br>approval) | otal<br>Menu<br>based<br>Credits | A/C<br>Efficiency<br>Credit | VLM 195.26       |
|--|------------------------------|---------------------------|------------|--|------------------|----------------------------|-----------------|--|-----|---|-----|---------------------------------------|------------|---|---|----------------------------------|-----------------------------|------------------|
| Accent 1 6 CV                            | Accent                       | 1.6                       | PWD        | CVT                                    |                  | Belt-driven                | 16,518          | 1.5  |     |   |     |                                       |            | 0.0   |   |                                  |                             | 195,26           |
| Accent 1 6 M                             | Accent                       | 1.8                       | PWD        | M6                                     | R123 yf          | Belt-driven                | 939             | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   |            | 0.0   | 0.5   | 3.8                              |                             | 195,26           |
| Q90 3 3 AWD                              | CRO AWD                      | 3.3                       | AWD        | SAS                                    | R123 yf          |                            | 92              | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              | 5 1                         | 195,26           |
| G90 3 3 RWD                              | GRO RWD                      | 3.3<br>5.0                | AWD        | SAS<br>SAS                             | R123 yf          | Belt-driven                | 585<br>799      | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26<br>195,26 |
| C90 5 0 RWD                              | GBO RWD                      | 5.0                       | RWD        | SAS                                    | R123 yr          |                            | 832             | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| Elentre 1 4 DC                           | Elentre                      | 1.                        | PWD        | AM7                                    | R13 a            | Belt-driven                | 1,8 3           | 1.5  |     | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| Elantra 1 6 DC                           | Elantra                      | 1.6                       | PWD        | AM7                                    | R13 a            | Belt-driven                | 11,058          | 1.5  |     | 0.0   |     | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| Elantra 1 6 M                            | Elentre                      | 1.8                       | PWD        | CVT                                    | R13 a            | Belt-driven                | 5 550           | 1.5  | 0.0 | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   | 3.0                              | 2 751                       | 195,26<br>195,26 |
| Elentre 2 0 CV                           | Elentre                      | 2.0                       | PWD        | CVT                                    | R13 a            | Belt-driven                | 7,353           | 1.5  |     |   |     |                                       |            | 0.0   |   | 3.0                              |                             | 195,26           |
| Elatora 2 0 CV                           | Elentre                      | 2.0                       | PWD        | CVT                                    | R13 a            | Belt-driven                | 8,359           | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
|  | Elentre                      | 2.0                       | PWD        | CVT                                    | R13 a            | Belt-driven                | 6 ,078          | 1.5  |     | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| E antra SE 2 0 CV                        | Elentra SE<br>Elentra SE     | 2.0                       | PWD        | CVT                                    | R13 a            | Belt-driven<br>Belt-driven | 19,820          | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0<br>1.0 | 0.0   | 0.5   | 3.0                              | 11,610                      | 195,26<br>195,26 |
| Elantra 2 0 M                            | Elentre                      | 2.0                       | PWD        | MB                                     | R13 a            | Belt-driven                | 0               | 1.5  |     | 0.0   |     |                                       |            | 0.0   |   | 3.0                              |                             | 195,26           |
| Venue CV                                 | Venue                        | 1.6                       | PWD        | CVT                                    | R13 a            | Belt-driven                | 6,685           | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              | 3,916                       | 195,26           |
| Venue M                                  | Venue                        | 1.6                       | PWD        | CVT                                    | R13 a            | Belt-driven<br>Belt-driven | 8,68<br>8,68    | 1.5  |     | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| Venue M<br>Sonata 1 8                    | Sonata                       | 1.6                       | PWD        | SAS                                    | R123 yr          | Belt-driven                | 28,22           | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   |            | 0.0   | 0.5   | 3.8                              |                             | 195,26           |
| Sonata 2 5 GDI                           | Sonata                       | 2.5                       | PWD        | SAS                                    | R123 yf          |                            | 31, 11          | 1.5  |     | 0.0   |     | 0.8                                   |            | 0.0   | 0.5   | 3.8                              |                             |                  |
| Santa Fe 2 0 AWD A                       | Sonate<br>Santa Fe AWD       | 2.5                       | PWD        | SAS                                    | R123 yr          | Belt-driven<br>Belt-driven | 31, 10          | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   | 0.5   | 3.8                              | 23,306                      | 195,26<br>195,26 |
| Santa Fe 2 0 AWD A<br>Santa Fe 2 0 FWD A | Santa Fe AWD<br>Santa Fe PWD | 2.0                       | PWD        | SA8<br>SA8                             |                  | Belt-driven<br>Belt-driven | 15,868          | 1.5  |     | 0.0   |     |                                       |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| Santa Fe 2 4 AWD A                       | Senta Fe AWD                 | 2                         | AWD        | SAS                                    |                  | Belt-driven                | 9,529           | 1.5  | 0.0 | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   | 3.0                              | 5,582                       | 195,26           |
| Sansa Pe 2 e AWU A                       | Senta Fe AWD                 | 2                         | AWD        | SAS                                    | R123 yr          |                            | 2 ,130          | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
|  | Santa Fe FWD<br>Senta Fe FWD | 2                         | PWD        | SAS<br>SAS                             |                  | Belt-driven<br>Belt-driven | 8,933           | 1.5  | 0.0 | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   | 3.0                              | 5,233                       | 195,26<br>195,26 |
| Santa Fe 2 4 FWD A                       | Senta Fe FWD                 | 2                         | PWD        | SAB                                    |                  | Belt-driven                | 9.098           | 1.5  | 0.0 | 0.0   |     |                                       |            | 0.0   | 0.5   | 3.0                              | 5,330                       | 195,26           |
| 1000 BARBOO                              | Sente Fe FWD                 | 2                         | PWD        | SAB                                    | R123 yf          | Belt-driven                | 23,985          | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              | 1 .039                      | 195,26           |
| Eantra G 20 A                            | Elentre GT                   | 2.0                       | PWD        | SAS                                    | R123 yr          |                            | 9,733           | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   |            | 0.0   | 0.5   | 3.8                              |                             | 195,26           |
| Eantra G 18 DC                           | Elentre GT                   | 1.6                       | PWD        | AM7                                    | R123 yr          | Belt-driven<br>Belt-driven | 2,080           | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   |            | 0.0   | 0.5   | 3.8                              |                             | 195,26<br>195,26 |
| Veloster 2 0 A                           | Veloster                     | 2.0                       | PWD        | SAB                                    | R123 yr          | Belt-driven                | 1,0 2           | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   |            | 0.0   | 0.5   | 3.8                              | 773                         | 195,25           |
| 100000000000000000000000000000000000000  | Veloster                     | 2.0                       | PWD        | SAS                                    | R123 yf          |                            | 990             | 1.5  |     | 0.0   | 0.0 | 0.8                                   |            | 0.0   | 0.5   | 3.8                              |                             | 195,26           |
| Veloster 2 0 M<br>Veloster 1 6 DC        | Veloster<br>Veloster         | 1.8                       | PWD        | ME                                     | R123 yf          | Belt-driven<br>Belt-driven | 208             | 1.5  | 0.0 | 0.0   | 0.0 | 0.8<br>0.8                            | 1.0        | 0.0   | 0.5   | 3.8                              |                             | 195,26<br>195,26 |
| Veloster 1 6 M                           | Velouter                     | 1.6                       | PWD        | M8                                     | R123 yr          | Belt-driven                | 1, 13           | 1.5  |     |   |     |                                       |            | 0.0   |   |                                  | 0                           | 195,26           |
| Veroster 1 5 M                           | Veloster                     | 1.6                       | PWD        | M6                                     | R123 yf          | Belt-driven                | 99              | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   | 0.5   | 3.8                              | 370                         | 195,26           |
| Velos er N 2 0 M                         | Veloster N<br>Veloster N     | 2.0                       | PWD        | MB                                     | R123 yf          | Belt-driven<br>Belt-driven | 301             | 1.5  | 0.0 | 0.0   |     | 0.8                                   |            | 0.0   | 0.5   | 3.8                              |                             | 195,26<br>195,26 |
| Kona 1 6 AWD A                           | Kone AWD                     | 2.0                       | AWD        | AM7                                    |                  | Belt-driven                | 9,987           |  |     | 0.0   |     | 0.8                                   |            | 0.0   | 0.5   |                                  |                             | 195,26           |
| Kone 1 6 FWD A                           | Kone PWD                     | 2.0                       | PWD        | AM7                                    |                  | Belt-driven                | 5,826           | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   | 0.5   | 3.8                              | ,323                        | 195,26           |
| Kone 2 0 AWD A                           | Kona AWD                     | 2.0                       | AWD        | SAS<br>SAS                             |                  | Belt-driven                | 6,765           | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| 500 V (25 E1 E1 E1                       | Kone AWD                     | 2.0                       | AWD<br>PWD | SAS                                    |                  | Belt-driven<br>Belt-driven | 8,120<br>7,822  | 1.5  | 0.0 |   |     |                                       |            | 0.0   | 0.5   | 3.0                              |                             | 195,26<br>195,26 |
| Kona 2 0 FWD A                           | Kona PWD                     | 2.0                       | PWD        | SAS                                    | R123 yf          | Belt-driven                | 9, 03           | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              | 5.508                       | 195,26           |
| ucson 2 0 AWD A                          | Tucson AWD                   | 2.0                       | AWD        | SAS                                    |                  | Belt-driven                | ,228            | 1.5  |     | 0.0   |     | 0.8                                   |            | 0.0   |   |                                  |                             | 195,26           |
| ucson 2 0 PWD A                          | Tucson PWD                   | 2.0                       | PWD        | SAS<br>RAR                             | R123 yf          | Belt-driven                | 2,977           | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   |            | 0.0   | 0.5   | 3.8                              |                             | 195,26<br>195,26 |
| ucson 2.4 AWD A                          | Tucson AWD                   | 2                         | AWD        | SAS                                    |                  | Belt-driven                | ,305            | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   |   | 3.8                              | 3,19                        | 195,26           |
| WHITE THE A                              | Tucson AWD                   | 2                         | AWD        | SAS                                    |                  | Belt-driven                | 19,370          | 1.5  |     |   |     |                                       |            | 0.0   | 0.5   | 3.8                              |                             | 195,26           |
|  | Tucson FWD<br>Tucson FWD     | 2                         | PWD        | SAS<br>SAS                             | R123 yf          | Belt-driven<br>Belt-driven | 0               | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   |            | 0.0   | 0.5<br>0.5                                  | 3.8                              | 0                           | 195,26<br>195,26 |
| ucson 2 4 FWD A                          | Tucson PWD                   | 2                         | PWD        | SAS                                    |                  | Belt-driven                | 6.863           | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   |            | 0.0   | 0.5   | 3.8                              |                             | 195,26           |
|  | Tucson FWD                   | 2                         | PWD        | SAB                                    | R123 yr          | Belt-driven                | 2 ,020          | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   | 0.5   | 3.8                              | 17,823                      | 195,26           |
| G70 2 0 AWD A                            | G70 AWD                      | 2.0                       | AWD        | SAS<br>SAS                             |                  | Belt-driven<br>Belt-driven | 2,898<br>1,875  | 1.5  | 0.0 | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   |                                  |                             | 195,26           |
| 020 020 0                                | G70 AWD                      | 2.0                       | RWD        | SAS                                    | R123 yr          |                            | 1,875           | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| G70 2 0 RWD A                            | G70 RWD                      | 2.0                       | RWD        | SA8                                    | R123 yf          |                            | 3,088           | 1.5  | 0.0 | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| G70 2 0 RWD M                            | G70 RWD                      | 2.0                       | RWD        | MB                                     | R123 yf          | Belt-driven                | 511             | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              | 299                         | 195,26           |
| G70 3 3 AWD A (PS4 PS4S)                 | G70 AWD                      | 3.3                       | AWD        | SAS<br>SAS                             | R123 yf          | Belt-driven<br>Belt-driven | 1,38            | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26<br>195,26 |
|  | G70 RWD                      | 3.3                       | RWD        | SAB                                    | R123 yf          |                            | 2,900           | 1.5  | 0.0 | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26           |
| G70 3 3 RWD A (PS4 PS4S)                 | G70 RWD                      | 3.3                       | RWD        | SAS                                    | R123 yf          | Belt-driven                | 0               | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              | 0                           | 195,26           |
| G80 3 3 AWD A                            | G80 AWD<br>G80 RWD           | 3.3                       | AWD        | SA8                                    |                  | Belt-driven                | 635<br>952      | 1.5  |     |   |     |                                       |            | 0.0   |   |                                  |                             | 195,26           |
| G80 3 3 RWO A                            | G80 AWD                      | 3.8                       | AWD.       | SAS<br>SAS                             |                  | Belt-driven<br>Belt-driven | 952<br>826      | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   |            | 0.0   | 0.5   | 3.0                              | 558                         | 195,26<br>195,26 |
| G80 3 8 AWD A                            | G80 AWD                      | 3.8                       | AWD        | SAB                                    | R123 yf          | Belt-driven                | 763             | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              | 7                           | 195,26           |
| GB0 3 E RWD A                            | G80 RWD                      | 3.8                       | RWD        | SAB                                    | R123 yr          |                            | 1,715           | 1.5  | 0.0 | 0.0   | 0.0 | 0.0                                   | 1.0        | 0.0   | 0.5   | 3.0                              | 1,005                       | 195,26           |
| G80 5 0 AWD A                            | G80 RWD                      | 3.8<br>5.0                | AWD        | SAS<br>SAS                             |                  | Belt-driven<br>Belt-driven | 1,1             | 1.5  |     |   |     |                                       |            | 0.0   |   | 3.0                              |                             | 195,26           |
| G80 5 0 RWD A                            | G80 RWD                      | 5.0                       | RWD        | SAB                                    | R123 yr          | Belt-driven                | 191             | 1.5  | 0.0 | 0.0   |     | 0.0                                   |            | 0.0   | 0.5   | 3.0                              |                             | 195,26<br>195,26 |
| ionia 16 A                               | loniq                        | 1.6                       | PWD        | AM6                                    | R13 a            | E ectric                   | 5,753           | 1.5  | 0.0 | 0.0   |     | 0.8                                   |            | 0.0   | 0.5   | 3.8                              |                             | 195,26           |
| lon a BLUE 1 6 A                         | loniq                        | 1.8                       | PWD        | AM8                                    | R13 a            | E ectric                   | ,131            | 1.5  | 0.0 | 0.0   |     |                                       | 1.0<br>1.0 | 0.0   | 0.5   | 3.8                              | 3,065                       | 195,26<br>195,26 |
| Ion q BLUE 1 6 A<br>Sonata Hybrid Blue   | Sonata HEV Blue              | 2.0                       | PWD        | RAR                                    | R13 a            | E ectric                   | ,888            | 1.5  |     |   |     |                                       |            | 0.0   |   | 3.8                              |                             | 195,26           |
| Sonata Hybrid                            | Sonete HEV                   | 2.0                       | PWD        | SAS                                    | R123 yf          | E ectric                   | ,501            | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   | 0.5   | 3.8                              | 3,3 0                       | 195,26           |
| Ioniq PHEV                               | loniq Plug-in Hybrid         | 1.6                       | PWD        | AM8                                    | R123 yf          | E ectric                   | 5,890           | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   | 0.5   | 3.8                              | ,222                        | 195,26           |
| Ioniq EV<br>Kona EV                      | Ioniq Electric Kone Electric | Electric                  | PWD        | A1                                     | R13 a<br>R123 yf | E ectric                   | 1,7 3<br>7,119  | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   | 0.5   | 3.8                              | 1,293<br>5,283              | 195,26<br>195,25 |
| Nexo                                     | NEXO                         | Fuelcel                   |            | A1                                     | R123 yf          | E ectric                   | 205             | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   | 0.5   | 3.8                              | 152                         | 195,26           |
| Nexo Blue                                | NEXO Blue                    | Fuelcel                   | PWD        | A1                                     | R123 yf          | E ectric                   | 115             | 1.5  | 0.0 | 0.0   | 0.0 | 0.8                                   | 1.0        | 0.0   | 0.5   | 3.8                              | 85                          | 195,26           |

ACCredit 444 340
Car volume 92 248
FCIV<sub>A</sub> ((Salmit) 0 000275424

VLM 186 284

 $FCIV_{M}\left(gal/mi\right) = \frac{(ACCrinht \times 1,000,000)}{(VLM \times Production \times 8887)}$ 

| Model Type<br>Description                      | Carline                      | Basic<br>Engine<br>(disp) | Drive      | T/M<br>class<br>(Drive, type, gear) | Description  | Projected sales  | Off cycle<br>benefit<br>per<br>vehicle | Off cycle credits | VLM                |
|--|------------------------------|---------------------------|------------|-------------------------------------|--|------------------|--|-------------------|--------------------|
|  | Accent<br>Accent             | 1.6                       | FWD<br>FWD |                                     | (17") Lamp 0.16<br>(17") Lamp 0.54   | 160<br>818       | 0.2                                    | 6<br>80           | 195,264<br>195,264 |
|  | Accent                       | 1.6                       | FWD        | CVT                                 | (17*) Lamp 0.54 Solar reflective surface coating 0.4   | 191              | 0.9                                    | 34                | 195 264            |
| Accent 1.6 CVT                                 | Accent<br>Accent             | 1.6                       | FWD        |                                     | (17") Lamp 0.43<br>(15") Lamp 0.05   | 145<br>92        | 0.4                                    | 11                | 195,264<br>195 264 |
|  | Accent                       | 1.6                       | FWD<br>FWD |                                     | (15") Lamp 0.43<br>(15") Lamp 0.43, Solar reflective surface coating 0.4   | 12,763<br>3,663  | 0.4                                    | 997<br>572        | 195,264<br>195,264 |
| Accent 1.6 MT                                  | Accent                       | 1.6                       | FWD        | M6                                  | (15") Lamp 0.43  | 749              | 0.4                                    | 59                | 195 264            |
| 100000000000000000000000000000000000000        | Accent<br>G90 AWD            | 1.6<br>3.3                | FWD        |                                     | (15") Lamp 0.43, Solar reflective surface coating 0.4 Glazing 0.5 Active seat ventilation 1.0 AAF 0.3  | 190<br>757       | 1.8                                    | 30<br>266         | 195,264<br>195 264 |
| G90 3.3T AWD                                   | G90 AWD<br>G90 RWD           | 3.3                       | AWD<br>RWD | SA8                                 | Glazing 0.5, Active seat ventilation 1.0, AAF 0.3, Solar reflective surface coating 0.4 Glazing 0.5, Active seat ventilation 1.0, AAF 0.3                                | 167<br>441       | 2.2<br>1.8                             | 72<br>155         | 195,264<br>195,264 |
| G90 3.3T RWD                                   | G90 RWD                      | 3.3                       | RWD        | SA8                                 | Glazing 0.5 Active seat ventilation 1.0 AAF 0.3 Solar reflective surface coating 0.4   | 144              | 2.2                                    | 62                | 195 264            |
| G90 5.0 AWD                                    | G90 AWD                      | 5.0                       | AWD        |                                     | Giazing 0.5, Active seat ventilation 1.0, AAF 0.3, ATF Warmer 1.5 Giazing 0.5 Active seat ventilation 1.0 AAF 0.3 ATF Warmer 1.5 Solar reflective surface coating 0.4    | 559<br>180       | 3.3                                    | 360<br>130        | 195,264<br>195,264 |
| G90 5.0 RWD                                    | G90 RWD                      | 5.0                       | RWD        |                                     | Glazing 0.5, Active seat ventilation 1.0, AAF 0.3, ATF Warmer 1.5  | 604              | 3.3                                    | 389               | 195,264            |
| Elantra 1.4 DCT                                | G90 RWD<br>Elantra           | 1.4                       | RWD<br>FWD |                                     | Glazing 0.5, Active seat ventilation 1.0, AAF 0.3, ATF Warmer 1.5, Solar reflective surface coating 0.4<br>Lamp 0.10   | 228<br>1 486     | 3.7<br>0.1                             | 165<br>29         | 195,264<br>195,264 |
| Cialità 1.4 DC1                                | Elantra<br>Elantra           | 1.4                       | FWD<br>FWD |                                     | Lamp 0.10, Solar reflective surface coating 0.4 Glazing 0.1 Lamp 0.48  | 357<br>8,802     | 0.5<br>0.6                             | 35<br>1 031       | 195,264<br>195 264 |
| Elantra 1.6 DCT                                | Elantra                      | 1.6                       | FWD        | AM7                                 | Glazing 0.1, Lamp 0.48, Solar reflective surface coating 0.4   | 2,256            | 1.0                                    | 441               | 195,264            |
| Elantra 1.6T MT                                | Elantra<br>Elantra           | 1.6                       | FWD        |                                     | Glazing 0.1, Lamp 0.48 Glazing 0.1 Lamp 0.48 Solar reflective surface coating 0.4  | 0                | 0.6<br>1.0                             | 0                 | 195,264<br>195,264 |
|  | Elantra<br>Elantra           | 2.0                       | FWD        | CVT                                 | ATF Warmer 1.5, Glazing 0.1  | 39,609<br>21,021 | 1.6                                    | 12,375<br>8 209   | 195,264            |
|  | Elantra                      | 2.0                       | FWD        |                                     | ATF Warmer 1.5 Glazing 0.1 Solar reflective surface coating 0.4  ATF Warmer 1.5, Glazing 0.1   | 11,517           | 1.6                                    | 3,598             | 195,264<br>195,264 |
| Elantra 2.0 CVT                                | Elantra<br>Elantra           | 2.0                       | FWD        |                                     | ATF Warmer 1.5, Glazing 0.1, Lamp 0.10 ATF Warmer 1.5 Lamp 0.10  | 973<br>48 458    | 1.7                                    | 323<br>15 139     | 195,264<br>195,264 |
|  | Elantra                      | 2.0                       | FWD        | CVT                                 | ATF Warmer 1.5, Glazing 0.1, Lamp 0.10   | 52               | 1.7                                    | 17                | 195,264            |
|  | Elantra<br>Elantra           | 2.0                       | FWD        |                                     | ATF Warmer 1.5 Glazing 0.1 Lamp 0.48 ATF Warmer 1.5, Glazing 0.1, Lamp 0.48, Solar reflective surface coating 0.4  | 2,168<br>357     | 2.1                                    | 889<br>174        | 195 264<br>195,264 |
|  | Elantra                      | 2.0                       | FWD        | CVT                                 | ATF Warmer 1.5, Glazing 0.1, Lamp 0.48   | 1,185            | 2.1                                    | 486               | 195,264            |
| Elantra SE 2.0 CVT                             | Elantra SE<br>Elantra SE     | 2.0                       | FWD        | CVT                                 | ATF Warmer 1.5 Glazing 0.1 ATF Warmer 1.5, Glazing 0.1, Solar reflective surface coating 0.4   | 19 820<br>26,261 | 1.6<br>2.0                             | 6 192<br>10,256   | 195,264<br>195,264 |
| Elantra 2.0 MT                                 | Elantra<br>Elantra           | 2.0                       | FWD<br>FWD |                                     | Glazing 0.1 Glazing 0.1, Solar reflective surface coating 0.4  | 0                | 0.1<br>0.5                             | 0                 | 195 264<br>195,264 |
| Venue CVT                                      | Venue                        | 1.6                       | FWD        | CVT                                 | Lamp (0.06)  | 6,685            | 0.1                                    | 131               | 195,264            |
| Venue MT                                       | Venue<br>Venue               | 1.6                       | FWD        |                                     | Lamp (0.06)  | 6 684<br>6,684   | 0.1<br>0.1                             | 131<br>131        | 195,264<br>195,264 |
| Sonata 1.6T                                    | Sonata<br>Sonata             | 1.6                       | FWD<br>FWD | SA8                                 | Glazing 0.4 Lamp 0.06 Glazing 0.4, Lamp 0.05, Solar reflective surface coating 0.4   | 23,476<br>4,748  | 0.5                                    | 2 292<br>834      | 195 264<br>195,264 |
|  | Sonata                       | 2.5                       | FWD        | SA8                                 | Glazing 0.4, Lamp 0.06, ATF Warmer 1.5   | 18,094           | 2.0                                    | 7,066             | 195,264            |
| Sonata 2.5 GDI                                 | Sonata<br>Sonata             | 2.5                       | FWD        | SA8<br>SA8                          | Glazing 0.4 Lamp 0.06 ATF Warmer 1.5 Solar reflective surface coating 0.4 Glazing 0.4, Lamp 0.06, ATF Warmer 1.5   | 14 376<br>15 869 | 2.4                                    | 6.737<br>6.197    | 195 264<br>195 264 |
| 700000000000000000000000000000000000000        | Sonata                       | 2.5                       | FWD        | SA8                                 | Glazing 0.4 Lamp 0.06 ATF Warmer 1.5 Active seat ventilation 1.0   | 13,231           | 3.0                                    | 7 751             | 195 264            |
| Santa Fe 2.0 AWD AT                            | Sonata<br>Santa Fe AWD       | 2.5                       | FWD<br>AWD |                                     | Glazing 0.4, Lamp 0.06, ATF Warmer 1.5, Active seat ventilation 1.0 Glazing 1.1  | 1,251<br>11,585  | 3.0                                    | 733<br>2,488      | 195,264<br>195,264 |
|  | Santa Fe AWD<br>Santa Fe FWD | 2.0                       | AWD        |                                     | Giazing 1.1 Solar reflective surface coating 0.4 Giazing 1.1   | 4 283            | 1.5                                    | 1 254<br>2,312    | 195 264<br>195,264 |
| Santa Fe 2.0 FWD AT                            | Santa Fe FWD                 | 2.0                       | FWD        | SA8                                 | Glazing 1.1 Solar reflective surface coating 0.4   | 6,428            | 1.5                                    | 1 883             | 195 264            |
| Santa Fe 2.4 AWD AT                            | Santa Fe AWD<br>Santa Fe AWD | 2.4                       | AWD        |                                     | ATF warmer 1.5, Glazing 1.1 ATF warmer 1.5 Glazing 1.1 Solar reflective surface coating 0.4  | 20,378<br>8,974  | 2.6<br>3.0                             | 10,346<br>5,257   | 195,264<br>195,264 |
|  | Santa Fe AWD<br>Santa Fe FWD | 2.4                       | AWD<br>FWD |                                     | ATF warmer 1.5 Glazing 1.0 Active seat ventilation 1.0   | 4 307<br>41 475  | 3.5<br>2.6                             | 2 944<br>21 056   | 195 264<br>195 264 |
| Santa Fe 2.4 FWD AT                            | Santa Fe FWD                 | 2.4                       | FWD        | SA8                                 | ATF warmer 1.5, Glazing 1.1 ATF warmer 1.5 Glazing 1.1 Solar reflective surface coating 0.4  | 18,195           | 3.0                                    | 10 658            | 195,264            |
|  | Santa Fe FWD<br>Elantra GT   | 2.4                       | FWD<br>FWD |                                     | ATF warmer 1.5, Glazing 1.0, Active seat ventilation 1.0  Lamp 0.22 glazing 0.3  | 5,857<br>7,130   | 3.5<br>0.5                             | 4,003<br>696      | 195,264<br>195,264 |
| Elantra GT 2.0 AT                              | Elantra GT                   | 2.0                       | FWD        | SA6                                 | Lamp 0.22 glazing 0.3 Solar reflective surface coating 0.4   | 1 782            | 0.9                                    | 313               | 195 264            |
|  | Elantra GT<br>Elantra GT     | 1.6                       | FWD        |                                     | Lamp 0.66, glazing 0.5, Active seat ventilation 1.0  Lamp 0.66 glazing 0.3   | 821<br>833       | 1.0                                    | 353<br>163        | 195,264<br>195 264 |
| Elantra GT 1.6T DCT                            | Elantra GT                   | 1.6                       | FWD        | AM7                                 | Lamp 0.66, glazing 0.3, Solar reflective surface coating 0.4   | 284<br>45        | 1.4                                    | 78                | 195,264            |
|  | Elantra GT<br>Elantra GT     | 1.6                       | FWD        |                                     | Lamp 0.66, glazing 0.5 Lamp 0.66 glazing 0.5 Active seat ventilation 1.0   | 918              | 1.2                                    | 11<br>394         | 195,264<br>195 264 |
| Elantra GT 1.6T MT                             | Elantra GT<br>Elantra GT     | 1.6                       | FWD        |                                     | Lamp 0.66, glazing 0.3  Lamp 0.66 glazing 0.3 Solar reflective surface coating 0.4   | 493<br>90        | 1.0                                    | 96<br>25          | 195,264<br>195,264 |
| Hamming States                                 | Elantra GT                   | 1.6                       | FWD        | M6                                  | Lamp 0.66, glazing 0.5   | 83               | 1.2                                    | 19                | 195,264            |
| Veloster 2.0 AT                                | Veloster<br>Veloster         | 2.0                       | FWD        |                                     | Lamp 0.16  | 1,042<br>999     | 0.2                                    | 41<br>39          | 195,264<br>195,264 |
| Veloster 2.0 MT<br>Veloster 1.6 DCT            | Veloster<br>Veloster         | 2.0<br>1.6                | FWD        |                                     | Lamp 0.16<br>Lamp 0.16   | 208<br>1,415     | 0.2                                    | 8<br>55           | 195,264<br>195,264 |
| Veloster 1.6 MT                                | Veloster                     | 1.6                       | FWD        | M6                                  | Lamp 0.16  | 0                | 0.2                                    | 0                 | 195,264            |
| A1800 (CO. CO. CO. CO. CO. CO. CO. CO. CO. CO. | Veloster<br>Veloster N       | 1.6<br>2.0                | FWD        |                                     | Lamp 0.16  | 499<br>301       | 0.2                                    | 19<br>12          | 195,264<br>195,264 |
| Veloster N 2.0 MT                              | Veloster N                   | 2.0                       | FWD        | M6                                  | Lamp 0.16  | 2,701            | 0.2                                    | 105               | 195,264            |
| Kona 1.6 AWD AT                                | Kona AWD<br>Kona AWD         | 2.0                       | AWD        | AM7                                 | glazing 1.0 Lamp 0.22 Active seat ventiation 1.0<br>glazing 1.0, Lamp 0.6  | 69<br>9,918      | 1.6                                    | 30<br>3,099       | 195,264<br>195,264 |
|  | Kona FWD<br>Kona FWD         | 2.0                       | FWD<br>FWD |                                     | glazing 1.1, Lamp 0.22<br>glazing 1.0 Lamp 0.22 Active seat ventiation 1.0   | 15               | 1.3                                    | 4                 |                    |
| Kona 1.6 FWD AT                                | Kona FWD                     | 2.0                       | FWD        | AM7                                 | glazing 1.1, Lamp 0.6  | 25               | 1.7                                    | 8                 | 195,264            |
| VICE-100 (100 (100 (100 (100 (100 (100 (100    | Kona FWD<br>Kona AWD         | 2.0                       | AWD        | SA6                                 | glazing 1.0 Lamp 0.6 No credits are generated from these vehicles  | 5,770<br>4,797   | 0.0                                    | 1 803             | 195,264            |
| Kona 2.0 AWD AT                                | Kona AWD<br>Kona AWD         | 2.0                       | AWD        | SA6                                 | glazing 1.1  | 7,204            | 1.1                                    | 1,547<br>563      |                    |
|  | Kona FWD                     | 2.0                       | FWD        | SA6                                 | qiazing 1.0 No credits are generated from these vehicles   | 5,431            | 0.0                                    | 0                 | 195,264            |
| Kona 2.0 FWD AT                                | Kona FWD<br>Kona FWD         | 2.0                       | FWD        |                                     | glazing 1.1<br>glazing 1.0   | 7,558<br>4,236   | 1.1                                    | 1 623<br>827      | 195 264<br>195,264 |
| Tucson 2.0 AWD AT                              | Tucson AWD                   | 2.0                       | AWD        | SA6                                 | Lamp 0.55, glazing 1.1, ATF Warmer 1.5   | 3,358            | 3.2                                    | 2,098             | 195,264            |
| Tucson 2.0 FWD AT                              | Tucson AWD<br>Tucson FWD     | 2.0                       | AWD<br>FWD | SA6                                 | Lamp 0.55 glazing 1.1 ATF Warmer 1.5 Solar reflective surface coating 0.4  Lamp 0.55, glazing 1.1, ATF Warmer 1.5  | 2,977            | 3.6<br>3.2                             | 612<br>1,860      |                    |
|  | Tucson FWD Tucson AWD        | 2.0                       | FWD        | SA6                                 | Lamp 0.55 glazing 1.1 ATF Warmer 1.5 Solar reflective surface coating 0.4 Lamp 0.55, glazing 1.1, ATF Warmer 1.5   | 41,176<br>4,305  | 3.6<br>3.2                             | 28 945<br>2.690   |                    |
| Tucson 2.4 AWD AT                              | Tucson AWD                   | 2.4                       | AWD        | SA6                                 | Lamp 0.55 glazing 1.1 ATF Warmer 1.5 Solar reflective surface coating 0.4  | 19,370           | 3.6                                    | 13,616            | 195,264            |
| Tree - C of the control of                     | Tucson FWD<br>Tucson FWD     | 2.4                       | FWD        | SA6                                 | Lamp 0.55 glazing 1.1 ATF Warmer 1.5  Lamp 0.55, glazing 1.1, ATF Warmer 1.5, Solar reflective surface coating 0.4   | 0                | 3.2<br>3.6                             | 0                 | 195 264<br>195,264 |
| Tucson 2.4 FWD AT                              | Tucson FWD                   | 2.4                       | FWD        | SA6                                 | Lamp 0.55 glazing 1.1 ATF Warmer 1.5   | 6,863            | 3.2                                    | 4 288             | 195 264            |
| G70 2.0 AWD AT                                 | Tucson FWD<br>G70 AWD        | 2.4                       | AWD        | SA8                                 | Lamp 0.55, glazing 1.1, ATF Warmer 1.5, Solar reflective surface coating 0.4<br>ISG 1.5, Lamp 0.8, Glazing 0.4   | 24,020<br>2,898  | 3.6<br>2.7                             | 16,885<br>1,528   | 195,264<br>195,264 |
| 10000000000000                                 | G70 AWD<br>G70 RWD           | 2.0                       | AWD<br>RWD | SA8                                 | ISG 1.5 Lamp 0.8 Giazing 0.4<br>ISG 1.5, Lamp 0.8, Giazing 0.4   | 1 875<br>4 433   | 2.7<br>2.7                             | 989<br>2,337      | 195 264            |
| G70 2.0 RWD AT                                 | G70 RWD                      | 2.0                       | RWD        | SA8                                 | ISG 1.5 Lamp 0.8 Glazing 0.4   | 3,068            | 2.7                                    | 1 617             | 195 264            |
| G70 2.0 RWD MT                                 | G70 RWD<br>G70 AWD           | 3.3                       | AWD        |                                     | ISG 1.5, Lamp 0.8, Giazing 0.4<br>Lamp 0.8, Giazing 0.4, Active seat ventilation 1.0   | 511<br>1,364     | 2.7                                    | 269<br>586        | 195,264<br>195,264 |
| G70 3.3 AWD AT(PS4, PS4S)                      | G70 AWD                      | 3.3                       | AWD        | SA8                                 | Lamp 0.8 Glazing 0.4 Active seat ventilation 1.0   | 0                | 2.2                                    | 0                 | 195 264            |
| G70 3.3 RWD AT(PS4, PS4S)                      | G70 RWD<br>G70 RWD           | 3.3                       | RWD        |                                     | Lamp 0.8, Giazing 0.4, Active seat ventilation 1.0  Lamp 0.8 Giazing 0.4 Active seat ventilation 1.0   | 2,900            | 2.2                                    | 1,246             |                    |
| G80 3.3 AWD AT                                 | G80 AWD<br>G80 AWD           | 3.3                       | AWD<br>AWD |                                     | Lamp 0.66, glazing 0.5, Active seat ventiation 1.0  Lamp 0.66, glazing 0.5, Active seat ventiation 1.0, Solar reflective surface coating 0.4                             | 470<br>165       | 2.2                                    | 202<br>84         | 195,264<br>195,264 |
| G80 3.3 RWD AT                                 | G80 RWD                      | 3.3                       | RWD        | SA8                                 | Lamp 0.66 glazing 0.5 Active seat ventilation 1.0  | 637              | 2.2                                    | 274               | 195 264            |
|  | G80 RWD<br>G80 AWD           | 3.3                       | RWD        |                                     | Lamp 0.66, glazing 0.5, Active seat ventiation 1.0, Solar reflective surface coating 0.4  Lamp 0.28 glazing 0.4 ATF warmer 1.5   | 315<br>487       | 2.6                                    | 160<br>209        |                    |
| G80 3.8 AWD AT                                 | G80 AWD                      | 3.8                       | AWD        | SA8                                 | Lamp 0.28, glazing 0.5, Active seat ventilation 1.0, ATF warmer 1.5  | 497              | 3.3                                    | 320               | 195,264            |
|  | G80 AWD<br>G80 AWD           | 3.8                       | AWD        | SA8                                 | Lamp 0.66, qiazing 0.5, Active seat ventiation 1.0, ATF warmer 1.5  Lamp 0.66 qiazing 0.5 Active seat ventiation 1.0 ATF warmer 1.5 Solar reflective surface coating 0.4 | 215<br>390       | 3.7<br>4.1                             | 155<br>312        | 195 264            |
|  | G80 RWD<br>G80 RWD           | 3.8                       | RWD<br>RWD | SA8                                 | Lamp 0.28, glazing 0.4, ATF warmer 1.5 Lamp 0.28 glazing 0.4 ATF warmer 1.5 Solar reflective surface coating 0.4   | 96<br>887        | 2.2                                    | 41                | 195,264            |
| G80 3 8 RWD AT                                 | GOU RAND                     | 3.8                       | RWD        | 340                                 | Lamp 0.20 glazing 0.4 ATT warmer 1.5 Solar renective surrace coating 0.4   | 887              | 2.6                                    | 450               | 190 264            |

|                   | G80 RWD              | 3.8      | RWD | SA8 | Lamp 0.28 glazing 0.5 Active seat ventilation 1.0 ATF warmer 1.5   | 1 126 | 3.3 | 726   | 195 26 |
|-------------------|----------------------|----------|-----|-----|--|-------|-----|-------|--------|
|                   | G80 RWD              | 3.8      | RWD | SA8 | Lamp 0.66, glazing 0.5, Active seat ventiation 1.0, ATF warmer 1.5   | 750   | 3.7 | 542   | 195,26 |
| G80 5.0 AWD AT    | G80 AWD              | 5.0      | AWD | SA8 | Lamp 0.66, glazing 0.5, Active seat ventilation 1.0  | 98    | 2.2 | 42    | 195,26 |
| GOU S.U AWD AT    | G80 AWD              | 5.0      | AWD | SA8 | Lamp 0.66 glazing 0.5 Active seat ventilation 1.0 Solar reflective surface coating 0.4                                       | 29    | 2.6 | 15    | 195.2  |
| G80 5.0 RWD AT    | G80 RWD              | 5.0      | RWD | SA8 | Lamp 0.66, glazing 0.5, Active seat ventiation 1.0, ATF warmer 1.5   | 151   | 3.7 | 109   | 195,2  |
| GOU J.U RYID AT   | G80 RWD              | 5.0      | RWD | SA8 | Lamp 0.66 glazing 0.5 Active seat ventilation 1.0 ATF warmer 1.5 Solar reflective surface coating 0.4                        | 40    | 4.1 | 32    | 195 2  |
|                   | loniq                | 1.6      | FWD | AM6 | (15") ISG 1.5, EHRS(Engine Warm-up) 1.5, glazing 0.2, AAF 1.04, Lamp 0.62  | 4,687 | 4.8 | 4,393 | 195,2  |
| lonig 1.6 AT      | loniq                | 1.6      | FWD | AM6 | (15") ISG 1.5, EHRS(Engine Warm-up) 1.5, glazing 0.2, AAF 1.04, Lamp 0.62, Solar reflective surface                          | 1,457 | 5.2 | 1,479 | 195,2  |
| Mily LOAT         | loniq                | 1.6      | FWD | AM6 | (17") ISG 1.5 EHRS(Engine Warm-up) 1.5 glazing 0.2 AAF 1.04 Lamp 0.62  | 2 544 | 4.8 | 2 384 | 195 2  |
|                   | loniq                | 1.6      | FWD | AM6 | (17*) ISG 1.5, EHRS(Engine Warm-up) 1.5, glazing 0.2, AAF 1.04, Lamp 0.62, Solar reflective surface                          | 1,196 | 5.2 | 1,214 | 195,2  |
| lonig BLUE 1.6 AT | loniq Blue           | 1.6      | FWD | AM6 | ISG 1.5 EHRS(Engine Warm-up) 1.5 glazing 0.2 AAF 1.04  | 3 607 | 4.2 | 2 958 | 195 2  |
| OHIN DEUC 1.8 AT  | loniq Blue           | 1.6      | FWD | AM6 | ISG 1.5, EHRS(Engine Warm-up) 1.5, glazing 0.2, AAF 1.04, Solar reflective surface coating 0.4                               | 1,261 | 4.6 | 1,133 | 195,2  |
| onata Hybrid Blue | Sonata HEV Blue      | 2.0      | FWD | SA6 | ISG 1.5 AAF 0.65 Glazing 0.4 Lamp 0.06 ATF Warmer 1.5 Active seat ventilation 1.0  | 4,500 | 5.2 | 4,569 | 195,   |
| Sonata Hybrid     | Sonata HEV           | 2.0      | FWD | SA6 | ISG 1.5, AAF 0.65, Glazing 0.4, Lamp 0.06, ATF Warmer 1.5, Active seat ventilation 1.0, Solar reflective surface coating 0.4 | 4,501 | 5.6 | 4,922 | 195,   |
| loniq PHEV        | loniq Plug-in Hybrid | 1.6      | FWD | AM6 | ISG 1.5 EHRS(Engine Warm-up) 1.5 glazing 0.2 AAF 1.01 Lamp 0.62  | 862   | 4.8 | 808   | 195    |
| ioniq PHEV        | loniq Plug-in Hybrid | 1.6      | FWD | AM6 | ISG 1.5, EHRS(Engine Warm-up) 1.5, glazing 0.2, AAF 1.01, Lamp 0.62, Solar reflective surface coating 0.4                    | 1,655 | 5.2 | 1,680 | 195,   |
| loniq PHEV        | ioniq Plug-in Hybrid | 1.6      | FWD | AM6 | ISG 1.5, EHRS(Engine Warm-up) 1.5, glazing 0.2, AAF 1.01, Lamp 0.72  | 2,037 | 4.9 | 1,949 | 195,   |
| loniq PHEV        | loniq Plug-in Hybrid | 1.6      | FWD | AM6 | ISG 1.5 EHRS(Engine Warm-up) 1.5 glazing 0.2 AAF 1.01 Lamp 0.62  | 1,136 | 4.8 | 1 065 | 195    |
| loniq EV          | loniq Electric       | Electric | FWD | A1  | glazing 0.2 AAF 0.3 Lamp 0.56  | 700   | 1.1 | 150   | 195    |
| loniq EV          | loniq Electric       | Electric | FWD | A1  | glazing 0.2 AAF 0.3 Lamp 0.56 Solar reflective surface coating 0.4   | 607   | 1.5 | 178   | 195,   |
| loniq EV          | loniq Electric       | Electric | FWD | A1  | glazing 0.2 AAF 0.3 Lamp 0.56  | 436   | 1.1 | 94    | 195    |
| Kona EV           | Kona Electric        | Electric | FWD | A1  | Lamp 0.16, Glazing 0.2   | 7,119 | 0.4 | 556   | 195,   |
| Nexo              | NEXO                 | Fuelcel  | FWD | A1  | Lamp 0.8 Glazing 0.9   | 205   | 1.7 | 68    | 195    |
| Nexo Blue         | NEXO Blue            | Fuelcel  | FWD | A1  | Lamp 0.8, Glazing 0.9  | 115   | 1.7 | 38    | 195,   |

Credits are estimated based on 2018MY data. Exact credits will be calculated whe Off-cycle technologies under EPA review have not been reflected yet.

VLM 195,264

| OCCredit                    | 281,603         |
|-----------------------------|-----------------|
| Car volume                  | 682,049         |
| FCIV <sub>oc</sub> (Gal/ml) | 0.000237927     |
|                             |                 |
| (000-                       | det × 1.000.000 |

 $FCIV_{OC}$  (gal/mi) =  $\frac{(OCCredit \times 1,000,000)}{(VLM \times Production \times 8887)}$