

# Model Year 2020

## Alternative Fuel and Advanced Technology Vehicles

### Battery Electric Vehicles (BEV)

| Fuel/Powertrain Type | Make       | Model                            | Vehicle Type | Propulsion; Battery                               | Fuel Economy, City/Combined/Highway (miles per gallon of gasoline equivalent, MPGe) | All-Electric Range (mi) |
|----------------------|------------|----------------------------------|--------------|---|---|-------------------------|
| BEV                  | Audi       | e-tron                           | SUV          | 141 kW and 172 kW electric motors; 240 Ah battery | 78/78/78  | 222                     |
| BEV                  | Audi       | e-tron Sportback                 | SUV          | 141 kW and 172 kW electric motors; 240 Ah battery | 76/77/78  | 218                     |
| BEV                  | BMW        | i3                               | Sedan/Wagon  | 125 kW electric motor; 120 Ah battery             | 124/113/102   | 153                     |
| BEV                  | BMW        | i3s                              | Sedan/Wagon  | 135 kW electric motor; 120 Ah battery             | 124/113/102   | 153                     |
| BEV                  | BYD Motors | e6                               | Sedan/Wagon  | 75 kW electric motor; 270 Ah battery              | 73/72/71  | 187                     |
| BEV                  | Chevrolet  | Bolt EV                          | Sedan/Wagon  | 150 kW electric motor; 188 Ah battery             | 127/118/108   | 259                     |
| BEV                  | Hyundai    | Ioniq Electric                   | Sedan/Wagon  | 100 kW electric motor; 120 Ah battery             | 145/133/121   | 170                     |
| BEV                  | Hyundai    | Kona Electric                    | SUV          | 150 kW electric motor; 180 Ah battery             | 132/120/108   | 258                     |
| BEV                  | Jaguar     | I-PACE                           | SUV          | 201 kW electric motor; 223 Ah battery             | 80/76/72  | 234                     |
| BEV                  | Kia        | Niro Electric                    | Sedan/Wagon  | 150 kW electric motor; 180 Ah battery             | 123/112/102   | 239                     |
| BEV                  | Kia        | Soul                             | Sedan/Wagon  | 201 kW electric motor; 180 Ah battery             | 127/114/101   | 243                     |
| BEV                  | Mini       | Cooper SE Hardtop 2 door         | Sedan/Wagon  | 135 kW electric motor; 93 Ah battery              | 115/108/100   | 110                     |
| BEV                  | Nissan     | Leaf (40 kWh battery pack)       | Sedan/Wagon  | 110 kW electric motor; 115 Ah battery             | 123/111/99  | 149                     |
| BEV                  | Nissan     | Leaf (62 kWh battery pack)       | Sedan/Wagon  | 160 kW electric motor; 176 Ah battery             | 118/108/97  | 226                     |
| BEV                  | Nissan     | Leaf SV/SL (62 kWh battery pack) | Sedan/Wagon  | 160 kW electric motor; 176 Ah battery             | 114/104/94  | 215                     |

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| Fuel/Powertrain Type | Make       | Model  | Vehicle Type | Propulsion; Battery                                     | Fuel Economy, City/Combined/Highway (miles per gallon of gasoline equivalent, MPGe) | All-Electric Range (mi) |
|----------------------|------------|--|--------------|---|---|-------------------------|
| BEV                  | Porsche    | Taycan 4S Perf Battery Plus                      | Sedan/Wagon  | 120 kW electric motor<br>129 Ah battery                 | 68/71/69  | 203                     |
| BEV                  | Porsche    | Taycan Turbo                                     | Sedan/Wagon  | 170 kW electric motor<br>129 Ah battery                 | 68/71/69  | 201                     |
| BEV                  | Porsche    | Taycan Turbo S                                   | Sedan/Wagon  | 170 kW electric motor<br>129 Ah battery                 | 67/68/68  | 192                     |
| BEV                  | Tesla      | Model 3 Long Range                               | Sedan/Wagon  | 211 kW electric motor;<br>230 Ah battery                | 136/130/123   | 330                     |
| BEV                  | Tesla      | Model 3 Long Range AWD                           | Sedan/Wagon  | 147 kW and 188 kW<br>electric motors; 230 Ah<br>battery | 124/121/116   | 322                     |
| BEV                  | Tesla      | Model 3 Long Range Performance AWD (18" Wheels)* | Sedan/Wagon  | 147 kW and 188 kW<br>electric motors; 230 Ah<br>battery | 124/121/116   | 322                     |
| BEV                  | Tesla      | Model 3 Mid Range                                | Sedan/Wagon  | 211 kW electric motor;<br>230 Ah battery                | 128/123/117   | 264                     |
| BEV                  | Tesla      | Model 3 Standard Range                           | Sedan/Wagon  | 211 kW electric motor;<br>230 Ah battery                | 138/133/124   | 220                     |
| BEV                  | Tesla      | Model 3 Standard Range Plus                      | Sedan/Wagon  | 211 kW electric motor;<br>230 Ah battery                | 148/132/141   | 250                     |
| BEV                  | Tesla      | Model S Long Range                               | Sedan/Wagon  | 193 kW and 205 kW<br>electric motor; 245 Ah<br>battery  | 115/111/107   | 373                     |
| BEV                  | Tesla      | Model S Performance (19" Wheels)**               | Sedan/Wagon  | 193 kW and 205 kW<br>electric motor; 245 Ah<br>battery  | 104/104/104   | 348                     |
| BEV                  | Tesla      | Model S Standard Range                           | Sedan/Wagon  | 193 kW and 205 kW<br>electric motor; 245 Ah<br>battery  | 113/109/105   | 287                     |
| BEV                  | Tesla      | Model X Long Range                               | SUV          | 193 and 205 kW<br>electric motors; 250 Ah<br>battery    | 99/96/93  | 328                     |
| BEV                  | Tesla      | Model X Performance (20" Wheels)***              | SUV          | 205 and 375 kW<br>electric motors; 250 Ah<br>battery    | 90/90/89  | 305                     |
| BEV                  | Tesla      | Model X Standard Range                           | SUV          | 193 and 205 kW<br>electric motors; 250 Ah<br>battery    | 105/101/98  | 258                     |
| BEV                  | Volkswagen | e-Golf   | Sedan/Wagon  | 100 kW electric motor;<br>111 Ah battery                | 122/113/104   | 123                     |

\*This model is also available with 19" or 20" wheels, at reduced fuel economy and range.

*\*\*This model is also available with 21" wheels, at reduced fuel economy and 326 miles range.*

*\*\*\*This model is also available with 22" wheels, at reduced fuel economy and 272 miles range.*

## Biodiesel (B20) Vehicles

| Fuel/Powertrain Type | Make       | Model                 | Vehicle Type | Engine Size/Cylinders | Fuel Economy, Diesel, City/Combined/Highway (MPG) |
|----------------------|------------|-----------------------|--------------|-----------------------|---|
| B20                  | Chevrolet  | Colorado 2WD          | Pickup       | 2.8L I4               | 22/23/30  |
| B20                  | Chevrolet  | Colorado 4WD          | Pickup       | 2.8L I4               | 19/22/28  |
| B20                  | Chevrolet  | Colorado ZR2 4WD      | Pickup       | 2.8L I4               | 18/19/22  |
| B20                  | Chevrolet  | Silverado 2WD         | Pickup       | 3.0L V6               | 23/27/33  |
| B20                  | Chevrolet  | Silverado 4WD         | Pickup       | 3.0L V6               | 23/25/29  |
| B20                  | GMC        | Canyon 2WD            | Pickup       | 2.8L I4               | 20/23/30  |
| B20                  | GMC        | Canyon 4WD            | Pickup       | 2.8L I4               | 19/22/28  |
| B20                  | GMC        | Sierra 2WD            | Pickup       | 3.0L V6               | 23/26/30  |
| B20                  | GMC        | Sierra 4WD            | Pickup       | 3.0L V6               | 22/24/26  |
| B20                  | GMC        | Sierra 4WD AT4        | Pickup       | 3.0L V6               | 22/24/26  |
| B20                  | Land Rover | Range Rover           | SUV          | 3.0L V6               | 22/24/28  |
| B20                  | Land Rover | Range Rover Discovery | SUV          | 3.0L V6               | 21/23/26  |
| B20                  | Land Rover | Range Rover Sport     | SUV          | 3.0L V6               | 22/24/28  |

## Flexible Fuel Vehicles (FFV)

| Fuel/Powertrain Type | Make      | Model                          | Vehicle Type | Engine Size/Cylinders | Fuel Economy, Gasoline, City/Combined/Highway (MPG) | Fuel Economy, E85, City/Combined/Highway (MPG) |
|----------------------|-----------|--------------------------------|--------------|-----------------------|---|--|
| FFV                  | Chevrolet | Impala                         | Sedan/Wagon  | 3.6L V6               | 18/22/28  | 14/16/20                                       |
| FFV                  | Chevrolet | Silverado 2WD                  | Pickup       | 5.3L V8               | 15/16/19  | 11/12/14                                       |
| FFV                  | Chevrolet | Silverado 4WD                  | Pickup       | 5.3L V8               | 14/16/18  | 11/12/13                                       |
| FFV                  | Chevrolet | Suburban C1500 2WD             | SUV          | 5.3L V8               | 15/18/22  | 11/13/17                                       |
| FFV                  | Chevrolet | Suburban K1500 4WD             | SUV          | 5.3L V8               | 14/16/21  | 11/12/16                                       |
| FFV                  | Chevrolet | Tahoe C1500 2WD                | SUV          | 5.3L V8               | 15/18/22  | 11/13/17                                       |
| FFV                  | Chevrolet | Tahoe K1500 4WD                | SUV          | 5.3L V8               | 15/17/21  | 11/13/16                                       |
| FFV                  | Ford      | Explorer AWD FFV               | SUV          | 3.5L V6               | 16/19/23  | 11/13/15                                       |
| FFV                  | Ford      | F-150 2WD FFV                  | Pickup       | 5.0L V8               | 17/19/23  | 12/14/17                                       |
| FFV                  | Ford      | F-150 2WD FFV                  | Pickup       | 3.3L V6               | 19/22/25  | 14/16/19                                       |
| FFV                  | Ford      | F-150 4WD FFV                  | Pickup       | 5.0L V8               | 15/18/21  | 12/13/15                                       |
| FFV                  | Ford      | F-150 4WD FFV                  | Pickup       | 3.3L V6               | 18/20/23  | 13/15/17                                       |
| FFV                  | Ford      | Transit Connect Van FFV*       | Van          | 2.0L I4               | 24/25/27  | 18/19/20                                       |
| FFV                  | Ford      | Transit Connect Wagon LWB FFV* | Van          | 2.0L I4               | 24/26/29  | 17/19/21                                       |
| FFV                  | Ford      | Transit T150 Wagon 2WD FFV     | Van          | 3.5L V6               | 15/17/19  | 11/12/15                                       |
| FFV                  | Ford      | Transit T150 Wagon 4WD FFV     | Van          | 3.5L V6               | 14/16/19  | 11/12/14                                       |
| FFV                  | GMC       | Sierra 2WD                     | Pickup       | 5.3L V8               | 15/16/19  | 11/12/14                                       |

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| Fuel/Powertrain Type | Make | Model              | Vehicle Type | Engine Size/Cylinders | Fuel Economy, Gasoline, City/Combined/Highway (MPG) | Fuel Economy, E85, City/Combined/Highway (MPG) |
|----------------------|------|--------------------|--------------|-----------------------|---|--|
| FFV                  | GMC  | Sierra 4WD         | Pickup       | 5.3L V8               | 14/16/19  | 11/12/14                                       |
| FFV                  | GMC  | Yukon K1500 4WD    | SUV          | 5.3L V8               | 15/17/21  | 11/13/16                                       |
| FFV                  | GMC  | Yukon K1500 XL 4WD | SUV          | 5.3L V8               | 14/16/21  | 11/12/15                                       |
| FFV                  | GMC  | Yukon XL C1500 2WD | SUV          | 5.3L V8               | 15/18/22  | 11/13/17                                       |
| FFV                  | GMC  | Yukon XL C1500 2WD | SUV          | 5.3L V8               | 15/18/22  | 11/13/17                                       |

*\*This vehicle is only available in certain states. See dealer for details.*

## Fuel Cell Vehicles (FCV)

| Fuel/Powertrain Type | Make    | Model     | Vehicle Type | Propulsion; Battery                                       | Fuel Economy, Hydrogen, City/Combined/Highway (miles per gallon of gasoline equivalent, MPGe) |
|----------------------|---------|-----------|--------------|---|---|
| FCV                  | Honda   | Clarity   | Sedan/Wagon  | 130 kW electric motor; 346 V Lithium Ion battery          | 68/68/67  |
| FCV                  | Hyundai | Nexo      | SUV          | 120 kW electric motor; 240 V Lithium Ion battery          | 59/57/54  |
| FCV                  | Hyundai | Nexo Blue | SUV          | 120 kW electric motor; 240 V Lithium Ion battery          | 65/61/58  |
| FCV                  | Toyota  | Mirai     | Sedan/Wagon  | 113 kW electric motor; 245 V Nickel-Metal Hydride battery | 67/67/67  |

## Hybrid Electric Vehicles (HEV)

| Fuel/Powertrain Type | Make  | Model          | Vehicle Type | Engine Size/Cylinders | Fuel Economy, Gasoline, City/Combined/Highway (MPG) |
|----------------------|-------|----------------|--------------|-----------------------|---|
| HEV                  | Acura | MDX AWD        | SUV          | 3.0L V6               | 26/27/27  |
| HEV                  | Acura | NSX            | Sedan/Wagon  | 3.5L V6               | 21/21/22  |
| HEV                  | Acura | RLX            | Sedan/Wagon  | 3.5L V6               | 28/28/29  |
| HEV                  | Audi  | A6 Allroad     | Sedan/Wagon  | 3.0L V6               | 20/22/26  |
| HEV                  | Audi  | A6 quattro     | Sedan/Wagon  | 2.0L I4               | 24/27/32  |
| HEV                  | Audi  | A6 quattro     | Sedan/Wagon  | 3.0L V6               | 22/24/29  |
| HEV                  | Audi  | A7 quattro     | Sedan/Wagon  | 3.0L V6               | 22/24/29  |
| HEV                  | Audi  | A8L            | Sedan/Wagon  | 3.0L V6               | 17/21/26  |
| HEV                  | Audi  | A8L            | Sedan/Wagon  | 4.0L V8               | 15/18/23  |
| HEV                  | Audi  | Q7             | Sedan/Wagon  | 3.0L V6               | 17/18/21  |
| HEV                  | Audi  | Q8             | Sedan/Wagon  | 3.0L V6               | 17/18/21  |
| HEV                  | Audi  | RS Q8          | SUV          | 4.0L V8               | 13/15/19  |
| HEV                  | Audi  | S6             | Sedan/Wagon  | 2.9L V6               | 18/22/28  |
| HEV                  | Audi  | S7             | Sedan/Wagon  | 2.9L V6               | 18/22/28  |
| HEV                  | Audi  | S8             | Sedan/Wagon  | 4.0L V8               | 13/16/22  |
| HEV                  | Ford  | Escape AWD HEV | Sedan/Wagon  | 2.5L I4               | 43/40/37  |
| HEV                  | Ford  | Escape FWD HEV | Sedan/Wagon  | 2.5L I4               | 44/41/37  |

## Hybrid Electric Vehicles (HEV)

| Fuel/Powertrain Type | Make    | Model                  | Vehicle Type | Engine Size/Cylinders | Fuel Economy, Gasoline, City/Combined/Highway (MPG) |
|----------------------|---------|------------------------|--------------|-----------------------|---|
| HEV                  | Ford    | Explorer HEV AWD       | SUV          | 3.3L V6               | 23/25/26  |
| HEV                  | Ford    | Explorer HEV RWD       | SUV          | 3.3L V6               | 27/28/29  |
| HEV                  | Ford    | Fusion Hybrid FWD      | Sedan/Wagon  | 2.0L I4               | 43/42/41  |
| HEV                  | Ford    | Fusion Hybrid TAXI     | Sedan/Wagon  | 2.0L I4               | 43/41/40  |
| HEV                  | Honda   | Accord                 | Sedan/Wagon  | 2.0L I4               | 48/48/47  |
| HEV                  | Honda   | CR-V AWD               | SUV          | 2.0L I4               | 40/38/35  |
| HEV                  | Honda   | Insight                | Sedan/Wagon  | 1.5L I4               | 55/52/49  |
| HEV                  | Honda   | Insight Touring        | Sedan/Wagon  | 1.5L I4               | 51/48/45  |
| HEV                  | Hyundai | Ioniq                  | Sedan/Wagon  | 1.6L I4               | 55/55/54  |
| HEV                  | Hyundai | Ioniq Blue             | Sedan/Wagon  | 1.6L I4               | 57/58/59  |
| HEV                  | Hyundai | Sonata Hybrid          | Sedan/Wagon  | 2.0L I4               | 45/47/51  |
| HEV                  | Hyundai | Sonata Hybrid Blue     | Sedan/Wagon  | 2.0L I4               | 51/52/54  |
| HEV                  | Jeep    | Wrangler 4x4           | SUV          | 2.0L I4               | 21/21/22  |
| HEV                  | Jeep    | Wrangler Unlimited 4x4 | SUV          | 2.0L I4               | 21/21/22  |
| HEV                  | Jeep    | Wrangler Unlimited 4x4 | SUV          | 3.6L V6               | 19/20/22  |
| HEV                  | Kia     | Niro                   | Sedan/Wagon  | 1.6L I4               | 51/49/46  |
| HEV                  | Kia     | Niro FE                | Sedan/Wagon  | 1.6L I4               | 52/50/49  |

## Hybrid Electric Vehicles (HEV)

| Fuel/Powertrain Type | Make          | Model                         | Vehicle Type | Engine Size/Cylinders | Fuel Economy, Gasoline, City/Combined/Highway (MPG) |
|----------------------|---------------|-------------------------------|--------------|-----------------------|---|
| HEV                  | Kia           | Niro Touring                  | Sedan/Wagon  | 1.6L I4               | 46/43/40  |
| HEV                  | Kia           | Optima Hybrid                 | Sedan/Wagon  | 2.0L I4               | 41/42/45  |
| HEV                  | Land Rover    | Range Rover MHEV              | SUV          | 3.0L V6               | 19/21/25  |
| HEV                  | Land Rover    | Range Rover Sport MHEV        | SUV          | 3.0L V6               | 19/21/25  |
| HEV                  | Lexus         | ES 300h                       | Sedan/Wagon  | 2.5L I4               | 43/44/44  |
| HEV                  | Lexus         | LC 500h                       | Sedan/Wagon  | 3.5L V6               | 27/30/35  |
| HEV                  | Lexus         | LS 500h                       | Sedan/Wagon  | 3.5L V6               | 25/28/33  |
| HEV                  | Lexus         | LS 500h AWD                   | Sedan/Wagon  | 3.5L V6               | 23/26/31  |
| HEV                  | Lexus         | NX 300h AWD                   | SUV          | 2.5L I4               | 33/31/30  |
| HEV                  | Lexus         | RX 450h AWD                   | SUV          | 3.5L V6               | 31/30/28  |
| HEV                  | Lexus         | RX 450hL AWD                  | SUV          | 3.5L V6               | 29/29/28  |
| HEV                  | Lexus         | UX 250h                       | Sedan/Wagon  | 2.0L I4               | 43/42/41  |
| HEV                  | Lexus         | UX 250h AWD                   | Sedan/Wagon  | 2.0L I4               | 41/39/38  |
| HEV                  | Lincoln       | MKZ Hybrid FWD                | Sedan/Wagon  | 2.0L I4               | 42/41/39  |
| HEV                  | Mercedes-Benz | AMG CLS53 4MATIC+             | Sedan/Wagon  | 3.0L V6               | 21/23/27  |
| HEV                  | Mercedes-Benz | AMG E53 4MATIC+               | Sedan/Wagon  | 3.0L V6               | 21/24/28  |
| HEV                  | Mercedes-Benz | AMG E53 4MATIC+ (Convertible) | Sedan/Wagon  | 3.0L V6               | 20/23/26  |

## Hybrid Electric Vehicles (HEV)

| Fuel/Powertrain Type | Make          | Model                   | Vehicle Type | Engine Size/Cylinders | Fuel Economy, Gasoline, City/Combined/Highway (MPG) |
|----------------------|---------------|-------------------------|--------------|-----------------------|---|
| HEV                  | Mercedes-Benz | AMG E53 4MATIC+ (Coupe) | Sedan/Wagon  | 3.0L V6               | 21/23/28  |
| HEV                  | Mercedes-Benz | AMG GT 53 4MATIC+       | Sedan/Wagon  | 3.0L V6               | 19/21/24  |
| HEV                  | Mercedes-Benz | CLS 450                 | Sedan/Wagon  | 3.0L V6               | 24/26/31  |
| HEV                  | Mercedes-Benz | CLS 450 4MATIC          | Sedan/Wagon  | 3.0L V6               | 23/26/30  |
| HEV                  | Mercedes-Benz | GLE 450 4MATIC          | Sedan/Wagon  | 3.0L V6               | 19/21/24  |
| HEV                  | Mercedes-Benz | GLE 580 4MATIC          | Sedan/Wagon  | 4.0L V8               | 17/19/21  |
| HEV                  | Mercedes-Benz | GLS 450 4MATIC          | Sedan/Wagon  | 3.0L V6               | 19/21/23  |
| HEV                  | Mercedes-Benz | GLS 580 4MATIC          | Sedan/Wagon  | 4.0L V8               | 16/18/21  |
| HEV                  | Ram           | 1500 2WD                | Pickup       | 5.7L V8               | 17/19/23  |
| HEV                  | Ram           | 1500 2WD                | Pickup       | 3.6L V6               | 20/22/25  |
| HEV                  | Ram           | 1500 4WD                | Pickup       | 5.7L V8               | 17/19/22  |
| HEV                  | Ram           | 1500 4WD                | Pickup       | 3.6L V6               | 19/21/24  |
| HEV                  | Ram           | 1500 HFE 2WD            | Pickup       | 3.6L V6               | 20/23/26  |
| HEV                  | Toyota        | Avalon Hybrid           | Sedan/Wagon  | 2.5L I4               | 43/43/43  |
| HEV                  | Toyota        | Avalon Hybrid XLE       | Sedan/Wagon  | 2.5L I4               | 43/44/44  |
| HEV                  | Toyota        | Camry Hybrid LE         | Sedan/Wagon  | 2.5L I4               | 51/52/53  |
| HEV                  | Toyota        | Camry Hybrid XLE/SE     | Sedan/Wagon  | 2.5L I4               | 44/46/47  |

## Hybrid Electric Vehicles (HEV)

| Fuel/Powertrain Type | Make   | Model                          | Vehicle Type | Engine Size/Cylinders | Fuel Economy, Gasoline, City/Combined/Highway (MPG) |
|----------------------|--------|--------------------------------|--------------|-----------------------|---|
| HEV                  | Toyota | Corolla Hybrid                 | Sedan/Wagon  | 1.8L I4               | 53/52/52  |
| HEV                  | Toyota | Highlander Hybrid              | SUV          | 2.5L I4               | 36/36/35  |
| HEV                  | Toyota | Highlander Hybrid AWD          | SUV          | 3.5L V6               | 35/35/35  |
| HEV                  | Toyota | Highlander Hybrid AWD LTD/PLAT | SUV          | 3.5L V6               | 35/35/34  |
| HEV                  | Toyota | Prius                          | Sedan/Wagon  | 1.8L I4               | 54/52/50  |
| HEV                  | Toyota | Prius AWD                      | Sedan/Wagon  | 1.8L I4               | 52/50/48  |
| HEV                  | Toyota | Prius Eco                      | Sedan/Wagon  | 1.8L I4               | 58/56/53  |
| HEV                  | Toyota | RAV4 Hybrid AWD                | SUV          | 2.5L I4               | 41/40/38  |

## Plug-in Hybrid Electric Vehicles (PHEV)

| Fuel/Powertrain Type | Make     | Model                            | Vehicle Type | Engine Size/Cylinders; Electric Propulsion | Fuel Economy, Gasoline Only, City/Combined/Highway (MPG) | Combined Fuel Economy, Electric Only or Gas + Electric (miles per gallon of gasoline equivalent, MPGe)† | All-Electric Range (mi) |
|----------------------|----------|----------------------------------|--------------|--|--|---|-------------------------|
| PHEV (Parallel)      | Audi     | A8L                              | Sedan/Wagon  | 3.0L V6; 100 kW electric motor             | 21/23/27   | 54  | 17                      |
| PHEV (Parallel)      | Audi     | Q5                               | Sedan/Wagon  | 2.0L I4; 105 kW electric motor             | 25/27/29   | 65  | 20                      |
| PHEV (Parallel)      | BMW      | 530e                             | Sedan/Wagon  | 2.0L I4; 83 kW electric motor              | 25/27/31   | 69  | 21                      |
| PHEV (Parallel)      | BMW      | 530e xDrive                      | Sedan/Wagon  | 2.0L I4; 83 kW electric motor              | 23/25/29   | 65  | 19                      |
| PHEV (Parallel)      | BMW      | 745e xDrive                      | Sedan/Wagon  | 3.0L V6; 83 kW electric motor              | 19/22/26   | 56  | 16                      |
| PHEV (Series)        | BMW      | i3s with Range Extender          | Sedan/Wagon  | 0.6L I2; 135 kW electric motor             | 30/31/31   | 100   | 126                     |
| PHEV (Series)        | BMW      | i3 with Range Extender           | Sedan/Wagon  | 0.6L I2; 125 kW electric motor             | 30/31/31   | 100   | 126                     |
| PHEV (Parallel)      | BMW      | i8 Coupe                         | Sedan/Wagon  | 1.5L I3; 105 kW electric motor             | 26/27/29   | 69  | 18                      |
| PHEV (Parallel)      | BMW      | i8 Roadster                      | Sedan/Wagon  | 1.5L I3; 105 kW electric motor             | 26/27/29   | 69  | 18                      |
| PHEV (Parallel)      | BMW      | X3 xDrive30e                     | SUV          | 2.0L I4; 80 kW electric motor              | 21/24/27   | 60  | 18                      |
| PHEV (Parallel)      | Chrysler | Pacifica Hybrid                  | Van          | 3.6L V6; 89 kW electric motor              | 29/30/30   | N/A   | 32                      |
| PHEV (Parallel)      | Ford     | Fusion Energi Plug in Hybrid FWD | Sedan/Wagon  | 2.0L I4; 68 kW electric motor              | 43/42/40   | 103   | 26                      |
| PHEV (Parallel)      | Ford     | Fusion Special Service PHEV      | Sedan/Wagon  | 2.0L I4; 68 kW electric motor              | 43/42/40   | 102   | 26                      |
| PHEV (Parallel)      | Honda    | Clarity PHEV                     | Sedan/Wagon  | 1.5L I4; 135 kW electric motor             | 44/42/40   | 110   | 48                      |
| PHEV (Parallel)      | Hyundai  | Ioniq Plug-in Hybrid             | Sedan/Wagon  | 1.6L I4; 32 kW electric motor              | 53/52/52   | 119   | 29                      |
| PHEV (Series)        | Karma    | Revero GT (21" wheels)           | Sedan/Wagon  | 1.5L I3; 175 kW electric motors (x2)       | 27/26/25   | N/A   | 61                      |

## Plug-in Hybrid Electric Vehicles (PHEV)

| Fuel/Powertrain Type | Make          | Model                               | Vehicle Type | Engine Size/Cylinders; Electric Propulsion | Fuel Economy, Gasoline Only, City/Combined/Highway (MPG) | Combined Fuel Economy, Electric Only or Gas + Electric (miles per gallon of gasoline equivalent, MPGe)† | All-Electric Range (mi) |
|----------------------|---------------|-------------------------------------|--------------|--|--|---|-------------------------|
| PHEV (Parallel)      | Kia           | Niro Plug-in Hybrid                 | Sedan/Wagon  | 1.6L I4; 32 kW electric motor              | 48/46/44   | 105   | 26                      |
| PHEV (Parallel)      | Kia           | Optima Plug-In Hybrid               | Sedan/Wagon  | 2.0L I4; 50 kW electric motor              | 39/41/40   | 101   | 28                      |
| PHEV (Parallel)      | Land Rover    | Range Rover PHEV                    | SUV          | 2.0L I4; 105 kW electric motor             | 18/19/21   | 42  | 19                      |
| PHEV (Parallel)      | Land Rover    | Range Rover Sport PHEV              | SUV          | 2.0L I4; 105 kW electric motor             | 18/19/21   | 42  | 19                      |
| PHEV (Parallel)      | Lincoln       | Aviator AWD PHEV                    | SUV          | 3.0L V6; 74 kW electric motor              | 22/23/25   | 56  | 21                      |
| PHEV (Parallel)      | Mercedes-Benz | S 560e                              | SUV          | 3.0L V6; 90 kW electric motor              | 21/23/26   | N/A   | 19                      |
| PHEV (Parallel)      | Mini          | Cooper SE Countryman ALL4           | Sedan/Wagon  | 1.5L I3; 65 kW electric motor              | 29/29/30   | 73  | 18                      |
| PHEV (Parallel)      | Mitsubishi    | Outlander PHEV                      | SUV          | 2.0L I4; 60 kW electric motor              | 25/25/26   | 74  | 22                      |
| PHEV (Parallel)      | Porsche       | Cayenne e-Hybrid                    | SUV          | 3.0L V6; 99 kW electric motor              | 20/21/22   | N/A   | 14                      |
| PHEV (Parallel)      | Porsche       | Cayenne e-Hybrid Coupe              | SUV          | 3.0L V6; 99 kW electric motor              | 20/21/22   | N/A   | 14                      |
| PHEV (Series)        | Porsche       | Panamera 4 e-Hybrid                 | Sedan/Wagon  | 2.9L V6; 70 kW electric motor              | 21/23/24   | 51  | 14                      |
| PHEV (Series)        | Porsche       | Panamera 4 e-Hybrid Executive       | Sedan/Wagon  | 2.9L V6; 70 kW electric motor              | 21/23/24   | 51  | 14                      |
| PHEV (Series)        | Porsche       | Panamera 4 e-Hybrid ST              | Sedan/Wagon  | 2.9L V6; 70 kW electric motor              | 21/23/24   | 51  | 14                      |
| PHEV (Series)        | Porsche       | Panamera Turbo S e-Hybrid           | Sedan/Wagon  | 4.0L V8; 70 kW electric motor              | 19/20/22   | 48  | 14                      |
| PHEV (Series)        | Porsche       | Panamera Turbo S e-Hybrid Executive | Sedan/Wagon  | 4.0L V8; 70 kW electric motor              | 19/20/22   | 48  | 14                      |
| PHEV (Series)        | Porsche       | Panamera Turbo S e-Hybrid ST        | Sedan/Wagon  | 4.0L V8; 70 kW electric motor              | 19/20/22   | 48  | 14                      |

## Plug-in Hybrid Electric Vehicles (PHEV)

| Fuel/Powertrain Type | Make   | Model                | Vehicle Type | Engine Size/Cylinders; Electric Propulsion | Fuel Economy, Gasoline Only, City/Combined/Highway (MPG) | Combined Fuel Economy, Electric Only or Gas + Electric (miles per gallon of gasoline equivalent, MPGe)† | All-Electric Range (mi) |
|----------------------|--------|----------------------|--------------|--|--|---|-------------------------|
| PHEV (Parallel)      | Subaru | Crosstrek Hybrid AWD | SUV          | 2.0L I4; 88 kW electric motor              | 36/35/35   | 90  | 17                      |
| PHEV (Parallel)      | Toyota | Prius Prime          | Sedan/Wagon  | 1.8L I4; 23 & 53 kW electric motor         | 55/54/53   | 133   | 25                      |
| PHEV (Parallel)      | Volvo  | S60 AWD              | SUV          | 2.0L I4; 34 & 65 kW electric motors        | 28/30/33   | 69  | 22                      |
| PHEV (Parallel)      | Volvo  | S90 AWD              | Sedan/Wagon  | 2.0L I4; 34 & 65 kW electric motors        | 28/30/31   | 60  | 21                      |
| PHEV (Parallel)      | Volvo  | V60 AWD              | SUV          | 2.0L I4; 34 & 65 kW electric motors        | 28/30/33   | 69  | 22                      |
| PHEV (Parallel)      | Volvo  | XC60 AWD             | SUV          | 2.0L I4; 34 & 65 kW electric motors        | 26/27/28   | 57  | 19                      |
| PHEV (Parallel)      | Volvo  | XC90 AWD             | SUV          | 2.0L I4; 34 & 65 kW electric motors        | 26/27/28   | 55  | 18                      |

†Values are for combined gasoline plus electric operation for "parallel" PHEVs, or electric-only operation for "series" PHEVs.

### NOTES

Some vehicles may not qualify for vehicle-acquisition credits under the U.S. DOE's EPA State and Fuel Provider or Federal Fleet Management programs. Contact these programs about eligible vehicles.

For emissions certification requirements, refer to the EPA Green Vehicle Guide at [fuelconomy.gov/feg/download.shtml](http://fuelconomy.gov/feg/download.shtml).

## Alternative Fuels Data Center

For more information about alternative fuels and advanced vehicles, visit [afdc.energy.gov](http://afdc.energy.gov).

