FuelEconomy.gov Web Services

✉ Join our data users mail list to receive the latest news about FuelEconomy.gov data services including Web services and downloads. To join, send an email to FuelEconomyNews-join@elist.ornl.gov.

ⓘ EPA has issued a Notice of Violation to Fiat Chrysler Automobiles N.V. and FCA US LLC for Model Year 2014-2016 light-duty diesel vehicles (Ram 1500 and Jeep Grand Cherokee). All relevant data from the affected vehicles has been removed from this website until further information is available.

ⓘ In order to make estimates comparable across model years, the MPG estimates for all 1984-2007 model year vehicles and some 2011-2016 model year vehicles have been revised. Learn More

Resources

Basic Data Services

- /ws/rest/vehicle/{id} - Return a specific vehicle record
  - Example URL: /ws/rest/vehicle/31873
- /ws/rest/vehicle/emissions/{id} - Return a list of emission records for specific vehicle record
  - Example URL: /ws/rest/vehicle/emissions/31873
- /ws/rest/fuelprices - Return the fuel prices currently used by FuelEconomy.gov
  - Example URL: /ws/rest/fuelprices
- /ws/rest/ympg/shared/ympgVehicle/{id} - Return a summary of shared user MPG data for a specific vehicle ID
  - Example URL: /ws/rest/ympg/shared/ympgVehicle/26425
- /ws/rest/ympg/shared/ympgDriverVehicle/{id} - Return a list of user MPG records for a specific vehicle ID
  - Example URL: /ws/rest/ympg/shared/ympgDriverVehicle/26425

Download the Vehicle Data

The Find a Car vehicle table contains fuel economy information for 1984-current model year vehicles. The data are available for download in CSV and XML formats:

- Vehicle
  - CSV
  - XML

- Emissions - linked to Vehicle by vehicle ID
  - CSV
  - XML
- EPA Revises MPG Estimates for 2014 MINI Cooper and Cooper S
- EPA Revises MPG Estimates for 2013-2014 Mercedes C300 4matic
- EPA Revises MPG Estimates for 2013-2014 Ford Vehicles
- 2012-2013 Hyundai data revised
- 2012-2013 Kia data revised
- Updated: Wednesday October 03 2018
- Additional data are available for download at: /feg/download.shtml

Find a Car Menus

The resources at /ws/rest/vehicle/menu/* are used to select a vehicle using a series of four menus: year, make, model, and options. A menu consists of a list of menu items, each with two properties: text and value.

- /ws/rest/vehicle/menu/year - Returns a list of model years
  - Example URL: /ws/rest/vehicle/menu/year
- /ws/rest/vehicle/menu/make?year=yyyy - Return a list of makes for a particular year
  - Example URL: /ws/rest/vehicle/menu/make?year=2012
- /ws/rest/vehicle/menu/model?year=yyyy&make=mmmm - Return a list of models for a particular year and make
  - Example URL: /ws/rest/vehicle/menu/model?year=2012&make=Honda
- ws/rest/vehicle/menu/options?year=2012&make=mmmm&model=nnnn - Return a list of model options and the associated vehicle ID for a particular year, make and model
  - Example URL: ws/rest/vehicle/menu/options?year=2012&make=Honda&model=Fit

My MPG Shared Data

This resource provides access to My MPG shared data via vehicle make and model:

- Menu of shared make /ws/rest/ympg/shared/menu/make
- Menu of shared models for the specified make; for example /ws/rest/ympg/shared/menu/model?make=Honda
- List of vehicles with shared My MPG data; for example /ws/rest/ympg/shared/vehicles?make=Honda&model=Fit

Data Description

vehicle

- atvtype - type of alternative fuel or advanced technology vehicle
- barrels08 - annual petroleum consumption in barrels for fuelType1 (1)
- barrelsA08 - annual petroleum consumption in barrels for fuelType2 (1)

- charge120 - time to charge an electric vehicle in hours at 120 V
- charge240 - time to charge an electric vehicle in hours at 240 V
- city08 - city MPG for fuelType1 (2), (11)
- city08U - unrounded city MPG for fuelType1 (2), (3)
- cityA08 - city MPG for fuelType2 (2)
- cityA08U - unrounded city MPG for fuelType2 (2), (3)
- cityCD - city gasoline consumption (gallons/100 miles) in charge depleting mode (4)
- cityE - city electricity consumption in kw-hrs/100 miles
- cityUF - EPA city utility factor (share of electricity) for PHEV
- co2 - tailpipe CO2 in grams/mile for fuelType1 (5)
- co2A - tailpipe CO2 in grams/mile for fuelType2 (5)
- co2TailpipeAGpm - tailpipe CO2 in grams/mile for fuelType2 (5)
- co2TailpipeGpm- tailpipe CO2 in grams/mile for fuelType1 (5)
- comb08 - combined MPG for fuelType1 (2), (11)
- comb08U - unrounded combined MPG for fuelType1 (2), (3)
- combA08 - combined MPG for fuelType2 (2)
- combA08U - unrounded combined MPG for fuelType2 (2), (3)
- combE - combined electricity consumption in kw-hrs/100 miles
- combinedCD - combined gasoline consumption (gallons/100 miles) in charge depleting mode (4)
- combinedUF - EPA combined utility factor (share of electricity) for PHEV
- cylinders - engine cylinders
- displ - engine displacement in liters
- drive - drive axle type
- emissionsList
- engId - EPA model type index
- eng_dscr - engine descriptor; see http://www.fueleconomy.gov/feg/findacarhelp.shtml#engine
- evMotor - electric motor (kw-hrs)
- feScore - EPA Fuel Economy Score (-1 = Not available)
- fuelCost08 - annual fuel cost for fuelType1 ($) (7)
- fuelCostA08 - annual fuel cost for fuelType2 ($) (7)
- fuelType - fuel type with fuelType1 and fuelType2 (if applicable)
- fuelType1 - fuel type 1. For single fuel vehicles, this will be the only fuel. For dual fuel vehicles, this will be the conventional fuel.
- fuelType2 - fuel type 2. For dual fuel vehicles, this will be the alternative fuel (e.g. E85, Electricity, CNG, LPG). For single fuel vehicles, this field is not used
- ghgScore - EPA GHG score (-1 = Not available)

- ghgScoreA - EPA GHG score for dual fuel vehicle running on the alternative fuel (-1 = Not available)
- guzzler- if G or T, this vehicle is subject to the gas guzzler tax
- highway08 - highway MPG for fuelType1 (2), (11)
- highway08U - unrounded highway MPG for fuelType1 (2), (3)
- highwayA08 - highway MPG for fuelType2 (2)
- highwayA08U - unrounded highway MPG for fuelType2 (2),(3)
- highwayCD - highway gasoline consumption (gallons/100miles) in charge depleting mode (4)
- highwayE - highway electricity consumption in kw-hrs/100 miles
- highwayUF - EPA highway utility factor (share of electricity) for PHEV
- hlv - hatchback luggage volume (cubic feet) (8)
- hpv - hatchback passenger volume (cubic feet) (8)
- id - vehicle record id
- lv2 - 2 door luggage volume (cubic feet) (8)
- lv4 - 4 door luggage volume (cubic feet) (8)
- make - manufacturer (division)
- mfrCode - 3-character manufacturer code
- model - model name (carline)
- mpgData - has My MPG data; see yourMpgVehicle and yourMpgDriverVehicle
- phevBlended - if true, this vehicle operates on a blend of gasoline and electricity in charge depleting mode
- pv2 - 2-door passenger volume (cubic feet) (8)
- pv4 - 4-door passenger volume (cubic feet) (8)
- rangeA - EPA range for fuelType2
- rangeCityA - EPA city range for fuelType2
- rangeHwyA - EPA highway range for fuelType2
- trans_dscr - transmission descriptor; see http://www.fueleconomy.gov/feg/findacarhelp.shtml#trany
- trany - transmission
- UCity - unadjusted city MPG for fuelType1; see the description of the EPA test procedures
- UCityA - unadjusted city MPG for fuelType2; see the description of the EPA test procedures
- UHighway - unadjusted highway MPG for fuelType1; see the description of the EPA test procedures
- UHighwayA - unadjusted highway MPG for fuelType2; see the description of the EPA test procedures
- VClass - EPA vehicle size class
- year - model year
- youSaveSpend - you save/spend over 5 years compared to an average car ($). Savings are positive; a greater amount spent yields a negative number. For dual fuel vehicles, this is the cost savings for gasoline
- sCharger - if S, this vehicle is supercharged

- tCharger - if T, this vehicle is turbocharged
- c240Dscr - electric vehicle charger description
- charge240b - time to charge an electric vehicle in hours at 240 V using the alternate charger
- c240bDscr - electric vehicle alternate charger description
- createdOn - date the vehicle record was created (ISO 8601 format)
- modifiedOn - date the vehicle record was last modified (ISO 8601 format)
- startStop - vehicle has start-stop technology (Y, N, or blank for older vehicles)
- phevCity - EPA composite gasoline-electricity city MPGe for plug-in hybrid vehicles
- phevHwy - EPA composite gasoline-electricity highway MPGe for plug-in hybrid vehicles
- phevComb - EPA composite gasoline-electricity combined city-highway MPGe for plug-in hybrid vehicles

emissions

- emissionsList
  - emissionsInfo
    - efid - engine family ID
    - id - vehicle record ID (links emission data to the vehicle record)
    - salesArea - EPA sales area code
    - score - EPA 1-10 smog rating for fuelType1
    - scoreAlt - EPA 1-10 smog rating for fuelType2
    - smartwayScore - SmartWay Code
    - standard - Vehicle Emission Standard Code
    - stdText - Vehicle Emission Standard

fuel prices

- fuelPrices
  - midgrade - $ per gallon of midgrade gasoline(9)
  - premium - $ per gallon of premium gasoline(9)
  - regular - $ per gallon of regular gasoline(9)
  - cng - $ per gallon of gasoline equivalent (GGE) of compressed natural gas(10)
  - diesel - $ per gallon of diesel(9)
  - e85 - $ per gallon of E85(10)
  - electric - $ per kw-hr of electricity(10)
  - lpg - $ per gallon of propane(10)

yourMpgVehicle - summary of all My MPG data for this vehicle

- avgMpg - harmonic mean of average MPG shared by fueleconomy.gov users
- cityPercent - average % city miles
- highwayPercent - average % highway miles

- maxMpg - maximum user average MPG
- minMpg - minimum user average MPG
- recordCount - number of records for this vehicle
- vehicleId - vehicle record id (links My MPG data to the vehicle record)

yourMpgDriverVehicle - summary of driver data reported for this vehicle

- cityPercent - user average % city miles
- highwayPercent - user average % highway miles
- lastDate - date records were last updated (yyyy-mm-dd)
- mpg - average MPG
- state - state of residence
- vehicleId - vehicle record ID (links My MPG data to the vehicle record)

Footnotes:

(1) 1 barrel = 42 gallons. Petroleum consumption is estimated using the Department of Energy's GREET model and includes petroleum consumed from production and refining to distribution and final use. Vehicle manufacture is excluded.

(2) The MPG estimates for all 1985-2007 model year vehicles and some 2011-2016 model year vehicles have been updated. ⓘ Learn More

(3) Unrounded MPG values are not available for some vehicles.

(4) This field is only used for blended PHEV vehicles.

(5) For model year 2013 and beyond, tailpipe CO2 is based on EPA tests. For previous model years, CO2 is estimated using an EPA emission factor. -1 = Not Available.

(6) For PHEVs this is the charge depleting range.

(7) Annual fuel cost is based on 15,000 miles, 55% city driving, and the price of fuel used by the vehicle.

(8) Interior volume dimensions are not required for two-seater passenger cars or any vehicle classified as truck which includes vans, pickups, special purpose vehicles, minivan and sport utility vehicles.

(9) Fuel prices for gasoline and diesel fuel are from the Energy Information Administration and are usually updated weekly.

(10) Fuel prices for E85, LPG, and CNG are from the Office of Energy Efficiency and Renewable Energy's Alternative Fuel Price Report and are updated quarterly.

(11) For electric and CNG vehicles this number is MPGe (gasoline equivalent miles per gallon).

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