

Example Alternative Compliance Waiver Request Application

September 2009

June 15, 2008

Regulatory Manager
DOE Alternative Fuel Transportation Program
U.S. Department of Energy, EE-2G/Forrestal Building
1000 Independence Avenue, S.W.
Washington, DC 20585

Dear Regulatory Manager:

This letter documents the model year (MY) 2009 Alternative Compliance waiver request for Example Fleet (EPAct Fleet ID Number 1255). Contained herein is the following information:

1. Average fuel use per light-duty vehicle
2. Alternative Compliance Vehicle Inventory
3. Petroleum reduction requirement
4. Petroleum reduction plan
5. Certification of compliance with all applicable vehicle emissions standards.

Average Fuel Use

The average fuel use for our covered light-duty vehicles was estimated to be 749 gasoline gallon equivalents (GGE) per year. This estimate is based on light-duty vehicle fuel use data collected by the fleet over the past three years—2006, 2007, and 2008.

Alternative Compliance Vehicle Inventory

The total number of alternative compliance vehicles in our inventory is 15 for MY 2009.

Petroleum Reduction Requirement

The printout of the calculation of the petroleum reduction requirement is attached to this letter as Appendix 1. The requirement was calculated using the Alternative Compliance Planning Tool. The requirement, 11,235 GGE, is the product of the number of vehicles in the fleet's Alternative Compliance Vehicle Inventory and the average fuel use for light-duty vehicles.

Petroleum Reduction Plan

The petroleum reduction plan, the print out of which is attached to this letter as Appendix 2, was generated using the U.S. Department of Energy's online Alternative Compliance Planning Tool. The plan employs a multi-method approach that includes deployment of alternative fuels, hybrid electric vehicles, biodiesel blends, fuel economy improvement, and truck-stop electrification. The calculated total petroleum savings from this plan is 12,866 GGE, which will exceed the required reduction, 11,235 GGE, by 15%.

Certification of Compliance with Emission Standards

This is to certify that Example Fleet is in compliance with all applicable vehicle emissions standards that the Administrator of the Environmental Protection Agency established under the Clean Air Act.

Sincerely,



John Doe
Title of Senior Official
Example Fleet

Appendix 1

Energy Policy Act (EPAct)
Alternative Compliance Planning Tool
Step 1: Determine Your Petroleum Reduction Requirements

Answer the following questions to determine your petroleum reduction requirement. After filling in the fields, click Save Inputs and a summary of your results will appear in the box at right.

Note: If you have an approved intent to apply for a waiver, you may check your current [Alternative Compliance vehicle \(ACV\) inventory](#) by clicking the button below. If your intent to apply for a waiver has not been approved, the button does not appear.

Model year (MY) for which you are applying: 2009

Insert your [ACV inventory total](#):
This is the number of [alternative compliance vehicles](#) that will be in your fleet for any part of the waiver model year and have not been [retired](#) from your ACV inventory due to [banked credits](#).

Insert your [average fuel use](#) per [light-duty vehicle](#) (LDV) in your fleet:

[Save Inputs](#)

[Access Your Current ACV Inventory Record](#)

Results

EPAct Fleet ID: 1255

MY 2009 Petroleum Reduction Requirement: **11,235 GGE**

Your petroleum reduction requirement for the model year is listed above. To change your fleet information, enter the new data in the boxes at left and press Save Inputs.

Model year for which you are applying: 2009
 ACV inventory total: 15
 Average fuel use per LDV: 749 GGE/year

[Print Results for Your Records](#)

[Now Proceed to Step 2](#)
 Create Your Petroleum Reduction Plan

Appendix 2



U.S. Department of Energy
Energy Efficiency and Renewable Energy *Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable*

Vehicle Technologies Program

Energy Policy Act (EPAcT)

[◀ Help](#) [◀ Log In](#) [◀ Step 1](#) [◀ Step 2](#)

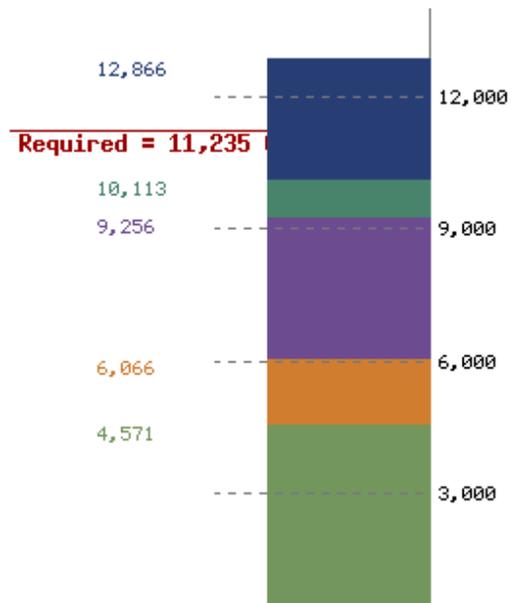
Petroleum Reduction Plan

EPAcT Fleet ID: 1255

Annual Petroleum Reduction Requirement:
11,235 GGE 115% realized

Based on your inputs, this is your petroleum reduction requirement. If you are satisfied with this plan, print it, obtain the signature of a senior official, and [mail it to DOE](#) as part of your Alternative Compliance waiver application package.

To alter your plan, return to [Step 2](#).



Alternative Fuels

AFV Type	AFV Fuel	Number of AFVs	Average VMT	Fuel Economy (mpg)	Fraction of Fuel Use	GGE Reduced
Large Van	E85	2	12000	21.6	.75	833
MD Truck Diesel < 14k lb	CNG	5	13035	16	.8	3738
TOTAL GGE						4571

Hybrid Electric Vehicles (HEVs)

Fuel Type	Number of Vehicles	Average VMT	Fuel Economy of new HEVs	Fuel Economy of Old Vehicles	GGE Reduced
Gasoline	5	15000	46	24	1495
TOTAL GGE					1495

Biodiesel Blends

Vehicle Type	Blend Type	Number of Vehicles	Average VMT	Fraction of Fuel Use	Fuel Economy	GGE Reduced
MD26	B20	21	12000	.67	11	3190
TOTAL GGE						3190

Fuel Economy Improvement

Fuel Type	Number of Vehicles	Average VMT	Fuel Economy of New Vehicles	Fuel Economy of Old Vehicles	GGE Reduced
Gasoline	4	10000	35	20	857
TOTAL GGE					857

Truck Stop Electrification

Number of Bays	Hours per Year	Fuel Used (gal/hr)	GGE Reduced
8	300	1	2753
TOTAL GGE			2753

Total GGE Reduced: **12,866**