



THE MARK OF ENVIRONMENTAL RESPONSIBILITY

# GS-2

## GREEN SEAL™ STANDARD FOR **ALTERNATIVE FUELED VEHICLES**

EDITION 1.1  
JULY 12, 2013

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## GREEN SEAL

Green Seal is a non-profit organization whose mission is to use science-based programs to empower consumers, purchasers, and companies to create a more sustainable world. Green Seal sets leadership standards that aim to reduce, to the extent technologically and economically feasible, the environmental, health, and social impacts throughout the life-cycle of products, services, and companies. The standards may be used for conformity assessment, purchaser specifications, and public education.

Green Seal offers certification of products, services, and companies in conformance with its standards. For additional information on Green Seal or any of its programs, contact:

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**GREEN SEAL STANDARD FOR  
ALTERNATIVE FUELED VEHICLES, GS-2**

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## FOREWORD

**Edition.** This version is Edition 1.1 from July 12, 2013 and replaces the First Edition from March 10, 1994 (with editorial changes made on October 1, 2011). This revision includes substantive changes.

**General.** The final issued standard was developed in an open and transparent process with stakeholder input that included producers, users, and general interests.

The requirements in the standard are based on an assessment of the environmental, health, or social impacts associated with the products, services, or organizations covered in the scope of the standard. These requirements are subject to revision, and generally cover aspects above and beyond regulatory compliance. This standard neither modifies nor supersedes laws and regulations. Any conformity assessment to this standard requires compliance with all applicable laws and regulations for the manufacturing and marketing of the products.

Provisions for safety have not been included in this standard, since they are supervised by regulatory agencies. Adequate safeguards for personnel and property should be employed for all stages of production, and for all tests that involve safety considerations.

Products, services, or organizations that are substantially similar to those covered by this standard in terms of function and life cycle considerations may be evaluated against the intent of the requirements of this standard, accounting for relevant differences between the intended scope of the Standard and the actual product, service, or organization to be evaluated.

This standard may not anticipate a feature of the product that may significantly, and undesirably, increase its impact on the environment, health, or society. In such a situation, Green Seal will ordinarily amend a standard to account for the unanticipated environmental, health, or societal impacts.

Normative references (e.g., other standards) in this standard intend to refer to the most recent edition of the normative reference. Test methods may be required for product evaluation. Unless explicitly stated that a specified method is the only acceptable one, the intent of the standard is that an equivalent test method may be accepted at Green Seal's sole discretion.

Certification to this standard shall be awarded only by Green Seal, or, with Green Seal's explicit written permission, by a third-party certification program conducting on-site audits.

**Disclaimer of Liability.** Green Seal, as the developer of this standard, shall not incur any obligations or liability for any loss or damages, including, without limitation, indirect, consequential, special, or incidental damages, arising out of or in connection with the interpretation or adoption of, reliance upon, or any other use of this Standard by any party. Green Seal makes no express or implied warranty of merchantability or fitness for a particular purpose, nor any other express or implied warranty with respect to this Standard.

## GREEN SEAL STANDARD FOR ALTERNATIVE FUELED VEHICLES, GS-2

### 1.0 SCOPE

This criteria document establishes environmental requirements for alternative fueled vehicles. See Appendix 1 for an example list of products included in this standard.

### 2.0 PERFORMANCE REQUIREMENTS

The product must be made in accordance with reasonable industry practice with respect to quality and performance.

### 3.0 PRODUCT-SPECIFIC ENVIRONMENTAL REQUIREMENTS

**3.1 Alternative fuel source.** The vehicle(s) runs predominantly on compressed natural gas or electrically-generated power. The vehicle(s) complies with this requirement if it is demonstrated through fuel purchase records and miles driven records for the vehicle(s) that gasoline purchases for the vehicle(s) do not exceed the amount required to drive the vehicle(s) 15% of the miles driven.

**3.2 Maintenance program.** The vehicle(s) includes an on-going program of maintenance to keep each vehicle well-tuned or operating at optimum efficiency. Maintenance records shall be provided for each vehicle upon request.

**3.3 Emission test.** Applicant must notify Green Seal if any vehicle fails the local emission test within seven (7) calendar days of receiving the test results. All emissions tests conducted under law shall be provided to Green Seal upon request.

### 4.0 CERTIFICATION AND LABELING REQUIREMENTS

**4.1 Certification Mark.** The Green Seal® Certification Mark may appear on the product, packaging, secondary documents, and promotional materials, only in conjunction with the certified product. Use of the Mark must be in accordance with *Rules Governing the Use of the Green Seal™ Certification Mark*<sup>1</sup>.

The Green Seal Certification Mark shall not be used in conjunction with any modifying terms, phrases, or graphic images that might mislead consumers as to the extent or nature of the certification.

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<sup>1</sup> [www.greenseal.org/TrademarkGuidelines](http://www.greenseal.org/TrademarkGuidelines)

Green Seal must review all uses of the Certification Mark prior to printing or publishing.

**4.2 Use With Other Claims.** The Green Seal Certification Mark shall not appear in conjunction with any human health or environmental claims, unless verified and approved in writing by Green Seal.

**4.3 Statement of Basis for Certification.** Wherever the Green Seal Certification Mark appears, it shall be accompanied by a description of the basis for certification. The description shall be in a location, style, and typeface that are easily readable.

The description shall read as follows, unless an alternate version is approved in writing by Green Seal:

This vehicle meets Green Seal™ Standard GS-2 based on limited air pollution emissions. GreenSeal.org.

**APPENDIX 1 – SCOPE (Informative)**

Examples of products included and excluded in the scope of GS-2:

**Products Included in GS-2**

- Fleet of ethanol powered vehicles
- Fleet of hydrogen fuel-cell powered vehicles
- Fleet of natural-gas powered vehicles
- Fleet of plug-in electric vehicles
- Fleet of solar powered hybrid electric vehicles

**Products Excluded from GS-2**

- Aquatic vehicles
- Fleet of gasoline powered vehicles
- Fleet of diesel powered vehicles
- Non-road vehicles

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