Energy Systems and Infrastructure Analysis

This is Argonne National Laboratory's R&D version of GREET.
For GREET versions used for determining tax credits, please click here.
A brief introduction to R&D GREET can be found here.

R&D GREET® Model

The Greenhouse gases, Regulated Emissions, and Energy use in Technologies Model

GREET News

R&D GREET 2024 Release January 10, 2025

The Argonne National Laboratory's Systems Assessment Center is pleased to announce the 2024 release of the suite of **R&D GREET Models**. Please read **Summary of Expansions and Updates in R&D GREET® 2024** (451KB pdf) for more details on updates in this version.

DISCLAIMER

R&D GREET 2024 is being released, consistent with Argonne National Laboratory's routine annual R&D GREET update process. Consistent with annual updates since 1995, R&D GREET (also historically called "ANL GREET") includes representation of new fuel pathways and updates to underlying assumptions. Pathways represented in the tool include two major categories: A) those that have been rigorously evaluated and have high certainty; and B) those that are preliminary, which could include pathways that have not recently been evaluated; those where there is still a gap in the science or data, and/or those that are currently under internal or external peer review. Argonne's annual releases of R&D GREET are comprehensive in order to inform the life cycle analysis technical community and elicit stakeholder feedback. These annual releases are meant to share the early-stage perspectives in life-cycle analysis, particularly in preliminary form, so as to gather feedback from the academic and technical expert community and determine where additional research, analysis and data are needed. Not all pathways and data in R&D GREET are appropriate for use in circumstances where a high level of quantitative certainty or precision is required. Inclusion of a pathway or module in R&D GREET does not necessarily represent U.S. Government concurrence for any specific use, but instead is intended to gather technical feedback and advance the science of life-cycle analysis.

GREET is referenced in numerous independent state and federal compliance and incentive programs (including solicitations, rulemakings, and tax incentives), but it is important to note that this particular release (R&D GREET 2024) is not the version used by any of these specific programs. Numerous versions of GREET are currently publicly available (including versions that have been formally adopted in rulemakings, referenced in rulemaking documents, and referenced in solicitations), and others are likely to become adopted. But each of these derivatives of the R&D

GREET model will reflect the specific statutes and parameters of those programs and will have a unique interface (e.g. see https://energy.gov/eere/greet for examples). Stakeholders seeking to use a GREET model for purposes of compliance with a given regulatory program should review guidance specific to that program to ascertain the appropriate version of GREET to use.

Argonne does not warrant that use of R&D GREET 2024 or any other instance of GREET is consistent with the requirements of any particular regulatory or incentive program. Users interested in specific programs that reference GREET are encouraged to review guidance specific to those programs if and when it is available to determine appropriate means of compliance and contact the relevant responsible agencies for those specific policies or programs.

R&D GREET 2024 Downloads

R&D GREET.Net Model (fuel and vehicle cycles):

- To download R&D GREET.Net and the latest 2024 database please use the following link **R&D GREET.Net**

R&D GREET Excel Model:

- Fuel-Cycle Model:
  To download R&D GREET_1_2024 please click **R&D GREET 1 Series**
- Vehicle-Cycle Model:
  To download R&D GREET_2_2024 please click **R&D GREET 2 Series**

To read more about R&D GREET and to watch more R&D GREET tutorial videos, please click **here**

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