Change Log for 45VH2-GREET

<u>45VH2-GREET (Rev. August 2024):</u>

The 45VH2-GREET (Rev. August 2024) model implements the following changes relative to 45VH2-GREET (Rev. March 2024):

- Inclusion of renewable electricity feedstock for high-temperature electrolysis, as described in Section 2.3 of the "Guidelines to Determine Well-to-Gate Greenhouse Gas (GHG) Emissions of Hydrogen production Pathways using 45VH2-GREET Rev. August 2024" document.

<u>45VH2-GREET (Rev. March 2024):</u>

The 45VH2-GREET (Rev. March 2024) model implements the following changes relative to 45VH2-GREET 2023:

- Modifications to address tool functionality (fixes to prevent crashes and popups to explain features).
- Correcting macros that utilize the heating value of natural gas and landfill gas.
- Correcting a programming error in simulation of the gasification of biomass.
- Removing the cap on the amount of nitrogen co-product that users can input for the autothermal reforming (ATR) process. Instead, a pop-up message was added notifying users to check their inputs.