**Release Notes:**

**GLIMPSE 1.1 Minor Update, 2025.03.14, Mar. 14th, 2025**

Updates to the GLIMPSE Scenario Builder

* Fixed bug associated with CO2 taxes
* Added FixedDemand tab for developing scenario components

Updates to the GLIMPSE-ModelInterface

* Added color to Sankey diagrams
* Improved graphic color and pattern specification
* Modified text display in tables and trees to be more robust on computers that use scaling

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**GLIMPSE 1.1 Minor Update, 2024.12.12a, Dec. 19th, 2024**

Updates to the GLIMPSE Scenario Builder

* Fixed a big that caused the “TechAvail” option to fail for some electric sector technologies.
* Improved CSVtoXML parser to provide additional diagnostic output

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**GLIMPSE 1.1 Minor Update, 2024.12.12, Dec. 12th, 2024**

Updates to GLIMPSE Scenario Builder

* Improved tracking of the current GCAM run, including reporting of unsolved markets to the scenario table while the run is ongoing
* Bug fixes, including to the GHG caps or taxes tab of the New Scenario Component Creator

Updates to the GLIMPSE-ModelInterface

* New beta graphic features, including mapping and Sankey diagrams
* Improvements to:
  + table filter, including ability to filter based upon units
  + graphics options, including showing/hiding the data table and legend
* Improvements to improve performance and reduce freezes and other problems

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**GLIMPSE 1.1 Minor Update, 24.06.24a, July 3rd, 2024**

Minor updates to GLIMPSE Scenario Builder

* Modifies the process of developing “Tech Avail” constraints. The result is a significant improvement in speed. In testing, the time required to generate one set of large constraints decreased from more than an hour to less than 10 seconds.

Updates to files included with GLIMPSE

* GLIMPSE is delivered with several several scenario components intended to limit the technologies that can be purchased in buildings to high-efficiency and/or electric versions. These files were updated to make use of shareweights, which provides a more robust implementation.

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**GLIMPSE 1.1 Minor Update, June 24, 2024**

New features in GLIMPSE-ModelInterface

* The menus were re-arranged slightly, including adding a “View” menu.
* The import dialog invoked when “Manage DB->Add” is selected was modified to provide additional information about the status of the import process.

New features in the GLIMPSE Scenario Builder

* The “New Scenario Component” dialog was modified to include a “Veh Eff Target” tab. This tab supports mile-per-gallon efficiency requirements for various transportation technologies.

Bug fixes:

* In the GLIMPSE-ModelInterface, the unit conversion specification was modified to handle queries with commas in their names.
* In the GLIMPSE Scenario Builder, several bugs were fixed in the “New Scenario Component Creator” dialog, improving robustness when developing new components.

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**GLIMPSE 1.1 Minor Update, April 4, 2024**

New features in the GLIMPSE-ModelInterface:

* The regions pane now includes a pulldown menu that allows the user to select preset regions. For example, if the user chooses “United States”, the “USA” and all states will be automatically selected. If no “preset\_regions” file has been specified, the pulldown window is not shown.
* A “Search” feature now allows users to easily find all queries that include a specific text string.
* A “Favorites” feature now allows users to auto-select queries that belong to a “favorites” list. Users can also append to the favorites list, create a new favorites list, and load an existing favorites list.

New features in the GLIMPSE Scenario Builder:

* The “Check Installation” option was modified to identify several issues that had come up in user testing, including identifying when there are spaces in the path to the GLIMPSE folder and when the path has greater than 150 characters.
* When creating a new scenario, the Scenario Builder now checks the user-specific scenario name for special characters such as ampersands that may cause issues.

Bug fixes:

* The run\_GLIMPSE\_GCAM-USA-7p0.bat file was modified by adding an additional argument to the Java command. This argument addresses an issue with the GLIMPSE interface freezing when used on Windows 10 virtual computers.
* Numerous bug fixes to the GLIMPSE-ModelInterface to improve robustness.

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**GLIMPSE 1.1 Minor Update, February 8, 2024**

The values used to convert $-years in the New Scenario Component Creator (a component of the Scenario Builder) were updated to use GDP deflators. This change makes dollar-year conversions consistent with conversions within GCAM. GLIMPSE had previously used the Consumer Price Index for dollar-year conversions.

The “Difference” graphic feature of the GLIMPSE-ModelInterface also received a bugfix and the some improvements were introduced to the titles of graphics.

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**GLIMPSE 1.1 Minor Update, January 30, 2024**

Eliminated the “Onroad pass veh capital costs by tech for U.S. (2020$s)” query because there is an error in the reporting.

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**GLIMPSE 1.1 Minor Update, January 29, 2024**

The “Amortized cap costs of transport techs” query in Main\_queries\_GLIMPSE-7p0.xml was updated to fix an error that resulted in the query returning fuel costs as opposed to capital costs.

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**GLIMPSE 1.1 Release, January 26, 2024**

Compared to GLIMPSE v1.0, GLIMPSE v1.1 includes the following major changes:

* The version of GCAM included with GLIMPSE has been updated to GCAM 7.0 from GCAM 5.4. Changes across GCAM versions are described here: <http://jgcri.github.io/gcam-doc/updates.html>
* Enhancements to the *GLIMPSE Scenario Builder* include:
  + Inclusion of an updated Reference Case built upon the GCAM-USA 7.0 Reference Case.
  + Improvements to the “New Scenario Component Creator” dialog, including providing filtering in technology selection and dollar-year conversions when specifying subsidies and taxes.
  + Miscellaneous bug fixes.
* Enhancements to the *GLIMPSE ModelInterface* include: o Reorganization of menus to improve usability.
  + Improvements to sorting in the table, including sorting numbers based on their values instead of strings.
  + New functionality to convert the units associated with model results.
  + Updated query file, including a new grouping that makes use of the unit conversions (*e.g.*, reporting greenhouse gas emissions in units of mmCO2eq and electricity prices in $/kwh).
  + Miscellaneous bug fixes and performance enhancements.
* Updates to the GLIMPSE Users’ Guide include:
  + Reorganization and inclusion of a List of Tables and a List of Figures.
  + Description of the new Reference Case.
  + Revised tutorials that reflect the transition to GCAM-USA 7.0 and the updated Reference Case and that also include an exercise investigating a Net-Zero decarbonization target.

Note on computational resources: The RPS representation in the GLIMPSE 1.1 Reference Case is memory intensive and may cause solution errors in computers with 20 GB or less of RAM. Those users may wish to omit the RPS scenario component from their Reference Case.