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FTA's Transit Greenhouse Gas Emissions Estimator v3.0

Excel sheet FTA-GHG-Estimator-V3.xlsm

The Transit Greenhouse Gas (GHG) Emissions Estimator (Estimator) is a Microsoft Excel-based spreadsheet tool that allows users to estimate the partial lifecycle GHG emissions generated from and the energy used in the construction, operation, and maintenance phases of a project across select transit modes. Users input general information about a project, and the Estimator calculates annual GHG emissions by project phase.

The tool was developed in connection with the Greenhouse Gas Emissions from Transit Projects Programmatic Assessment. The tool provides a resource to generate coarse but informative estimates of GHG emissions using limited project information and can be used for a broad range of transit projects. This tool is not mandatory; transit agencies should work with the appropriate FTA regional office to determine whether to conduct project-specific analyses of GHG emissions and the best approaches.

Refer to the accompanying Transit Greenhouse Gas Emissions Estimator v3.0: User Guide for detailed instructions on how to use the tool. The User Guide also provides information on the GHG emission factors, data sources, and assumptions used in the tool.

Last updated: Tuesday, April 19, 2022

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