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GHG Emission Factors Hub

This document was designed to provide organizations with a regularly updated and easy-to-use set of default emission factors for organizational greenhouse gas reporting. The document includes updated emission factors collated from both EPA's Greenhouse Gas Reporting Program https://epa.gov/ghgreporting and the Center's technical guidance. The most recent version of the Emission Factors Hub (April 2022) includes updates to emission factors for purchased electricity from EPA's Emissions & Generation Resource Integrated Database https://epa.gov/egrid (eGRID) mobile combustion, upstream and downstream transportation, business travel, product transport, and employee commuting. Guidance on the use of EPA's Emission Factors Hub's waste emission factors versus the Waste Reduction Model (WARM) is also available.

Download as an Excel file: 🖺 GHG Emission Factors Hub (xlsx) https://epa.gov/sites/default/files/2020-04/ghg-emission-factors-hub.xlsx

- 🖺 GHG Emission Factors Hub (pdf) https://epa.gov/system/files/documents/2022-04/ghg_emission_factors_hub.pdf (173.91 KB, April 2022)
- B ARCHIVED 2021 GHG Emission Factors Hub (pdf) https://epa.gov/sites/default/files/2021-04/documents/emission-factors_apr2021.pdf (299.17 KB, April 2021)
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- ARCHIVED 2020 GHG Emission Factors Hub (pdf) https://epa.gov/sites/default/files/2021-04/documents/emission-factors_mar2020.pdf (197.07 KB, March 2020)
- ARCHIVED 2018 GHG Emission Factors Hub (pdf) https://epa.gov/sites/default/files/2018-03/documents/emission-factors_mar_2018_0.pdf (354.8 KB, March 2018)
- ARCHIVED 2015 GHG Emission Factors Hub (pdf) https://epa.gov/sites/default/files/2016-09/documents/emission-factors_nov_2015_v2.pdf (1.42 MB, November 2015, v2)
- RCHIVED 2014 GHG Emission Factors Hub (pdf) https://epa.gov/sites/default/files/2015-07/documents/emission-factors_2014.pdf (141.55 KB, April 2014)
- ARCHIVED 2011 GHG Emission Factors Hub (pdf) https://epa.gov/sites/default/files/2015-11/documents/emission-factors_2011.pdf (232.22 KB, November 2011)

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GHG Inventory Development Process & Guidance

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