

Change Date	Sector(s) Impacted	Inventory Years Impacted	Change Overview	Details of Changes Made
Aug-21	Commercial Energy	2015-2020	MU emission data switched from fiscal year to calendar year	In the past, MU emissions data was based on fiscal year. In 2020, calendar year data became available. Because the rest of our data is in calendar year, moving to using calendar year data for MU increased accuracy and consistency. MU energy usage falls under commercial energy, so only commercial energy was impacted by this change.
Aug-21	All Sectors	2019	Switched from eGRID 2018 to eGRID 2019	The EPA is now publishing eGRID (the emission & generation resource integrated database) for each year rather than every other year. eGRID 2019 became available in 2021, so 2019's data was adjusted for increased accuracy.
Jan-21	Transportation	2015-2017	Adjusted 2015-2017 transportation inventories with data from Google's Environmental Insights Explorer	Before this update, 2018-2020 transportation data was sourced from Google's Environmental Insights Explorer (EIE) while older data was sourced from the Federal Highway Administration (FHWA). Google's EIE data has been identified as more reliable than FHWA data. To improve consistency and accuracy across all years, the percent change from FHWA's 2018 data to EIE's 2018 was applied to 2015-2017 transportation data.
Nov-20	Transportation	2018-2019	Switched to using Google's Environmental Insights Explorer for the source of transportation data 2018 and forward	Google's Environmental Insights Explorer (EIE) was identified as more reliable than the previous source, the Federal Highway Administration. Google's EIE has transportation data starting in 2018, so transportation data from 2018 forward will be sourced from EIE. Based on these new records, transportation emissions for 2018 increased by 64,319 MT CO <sub>2</sub> e.
Nov-20	Wastewater	2015-2019	Updated wastewater usage with new data provided by Wastewater Treatment Plant	An error was noticed in previously provided wastewater data. This sector was updated with new data provided.
Feb-20	All Sectors	2015	Updated 2015 inventory from 2012 eGRID emission factors to 2014 eGRID emission factors for improved accuracy.	
Jan-20	All Sectors	2015	Updated global warming potential values. These values compare the global warming impact of different gases.	A new recommendation came from ICLEI (the organization we use for calculating our GHG inventories) to set the parameters for all inventories to use the most recent global warming potential values. All inventories were updated to use IPCC 5th Assessment 100-year values for all inventories.
22-Apr	Energy	2016-2020	Updated Columbia Power Plant's emissions factors for past inventories.	Previously used CPP emissions factors from eGRID included renewable energy, resulting in the EF being too low. The City of Columbia has access to more accurate emissions factors for just the Columbia Power Plant.
22-Apr	Energy	2019 & 2020	Added in summer hedge MWhs	This energy was previously excluded due to uncertain energy sourcing and emissions factors. These MWhs were added under MISO market energy.
22-Apr	Water	All	Updated Population Data	Updated population data sourcing to ACS 5 year to be consistent with the City's trend manual data.