Greenhouse Gas, Water and Energy Use

Emerson tracks our impact on the environment in a number of ways, including measuring emissions into the atmosphere, water consumption and energy use associated with our manufacturing operations. Emerson has voluntarily disclosed this data as a participant in the Carbon Disclosure Project (CDP) since 2006.

Compared to 2016, Emerson experienced a 31.3 percent decrease in global CO₂ emissions, a 5.6 percent reduction in global water consumption and a 20.5 percent decrease in global energy use. We attribute these results to several factors, including a decrease in the number of reporting facilities*, new and/or more efficient technologies being implemented in our production facilities, and energy- and water-savings measures being implemented across our operations.

Greenhouse Gas (GHG) Emissions

All GHG emissions are measured in metric tons of carbon dioxide equivalent (MT CO₂e).

**Scope 1 - Direct GHG Emissions**
Includes the combustion of fossil fuels (e.g., natural gas, fuel oil, propane, etc.) for comfort heating or other industrial applications at Emerson manufacturing facilities.

**Scope 2 - Indirect GHG Emissions**
Includes the consumption of purchased electricity, steam or other sources of energy (e.g., chilled water) generated upstream from Emerson manufacturing facilities.

Water Consumption
Emerson’s worldwide water usage (in gallons):

Energy Use
Emerson’s total worldwide electricity usage (in megawatt-hours):

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* All data is for the calendar year indicated and is based on the Emerson business portfolio during that year. In 2017, Emerson was reorganized into two primary business platforms – Automation Solutions and Commercial & Residential Solutions. The company’s 2017 environmental data includes 207 facilities vs. 240 facilities in 2016 and does not include the Pentair facilities that were acquired during 2017. During 2014, 2015 and most of 2016, the company was comprised of five business platforms: Process Management, Industrial Automation, Network Power, Climate Technologies and Commercial & Residential Solutions.

** Water and energy use data from 2016 have been adjusted to provide increased accuracy and meaningful comparisons.