

One Step at a Time: Shrinking Our Carbon Footprint

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Joining the Conversation

What is a Carbon Footprint Study?

Carbon Footprint Study Methodology

Greenhouse Gas Protocol, developed by World Resources Institute and the World Business Council for Sustainable Development

Measures emissions in metric tons of carbon dioxide equivalents

Carbon Footprint Standard

Greenhouse Gas Protocol, developed by World Resources Institute and the World Business Council for Sustainable Development.

Measures three "scopes":

Scope 1: *What we burn.* Direct emissions from boilers and generator at the RAC, RAC-owned vehicles, and replacement of refrigerants.

Scope 2: *What we buy.* Indirect emissions from electricity usage of RAC-owned or RAC-controlled operations.

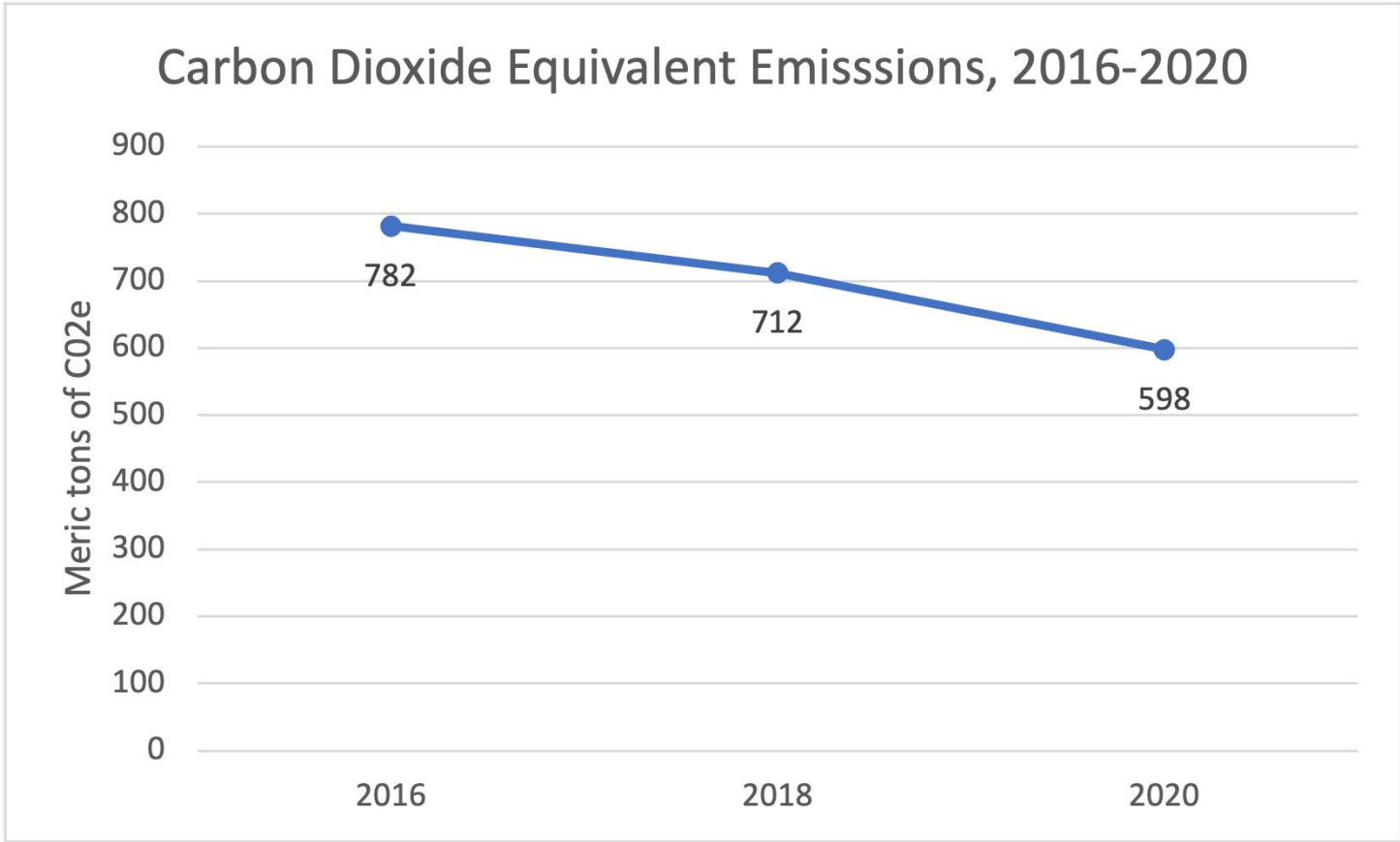
Scope 3: *Everything else.* Indirect emissions from transportation operations (offsite storage) and employee commutation.

What We Measured

Emissions from three years: 2016, 2018, 2020

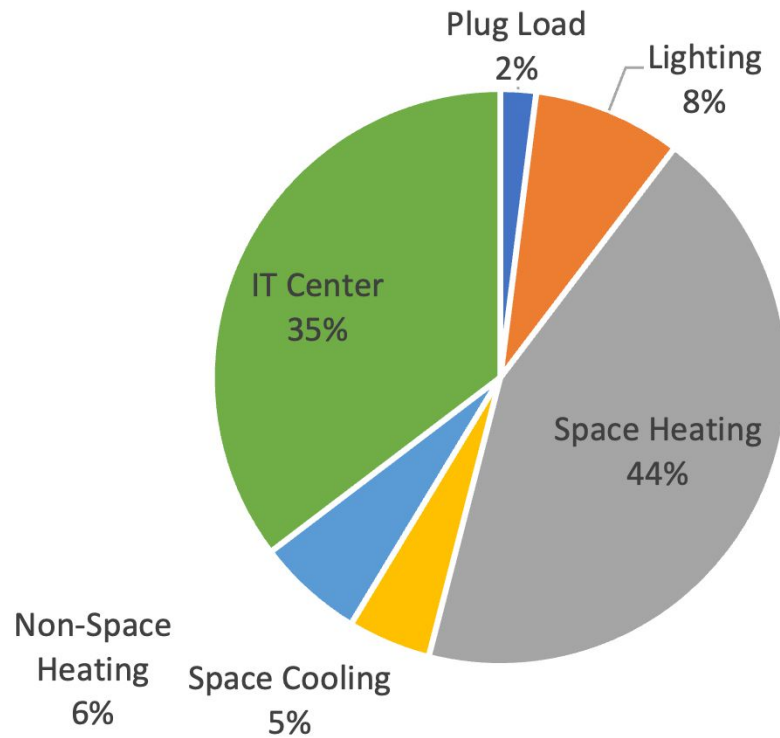
Emissions are calculated as metric tons of carbon dioxide equivalents.

What We Learned



The Good News

Total Energy Use, 2016-2020



Areas of Focus

What's Next

Organizational commitment

Reflect commitment to environmental sustainability in organizational mission and values

Collaborate and connect initiatives across organizational boundaries

Improve physical environment

LED lighting upgrade

Equipment updates

HVAC study and efficiency improvements

IT-focused emissions study

IT infrastructure: complete inventory of environment and configuration analysis

Data management: data transfer and storage across applications and processes

Business continuity: backups, disaster recovery, incident response plan

Connect with us!

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<https://blog.rockarch.org/measuring-our-impact>