

Sources used to estimate CO2 footprint of the NERSC

Electricity intensity by country:

<https://www.nowtricity.com/>

World average electricity intensity:

<https://www.iea.org/reports/global-energy-co2-status-report-2019/emissions>

CPU power:

<https://www.amd.com/en/products/cpu/amd-epyc-7742>

<https://www.intel.com/content/www/us/en/products/sku/91766/intel-xeon-processor-e52683-v4-40m-cache-2-10-ghz/specifications.html>

<https://ark.intel.com/content/www/us/en/ark/products/91754/intel-xeon-processor-e52680-v4-35m-cache-2-40-ghz.html>

Power Use Efficiency: internal documentation

Flight emission factor:

<https://apps.labos1point5.org/ges-1point5>

Travel conversion factors (other than flight):

<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

Geolocalisation:

<https://nominatim.org/>

IT purchases:

<http://arxiv.org/abs/2204.12362>