

## ***0.a. Goal***

Goal 11: Sustainable and resilient urban and rural development; ensure a safe living and working environment; reasonable distribution of population and labor by region

## ***0.b. Target***

Target 11.6: Reduce harmful environmental impacts on people in cities, improve air quality management, urban waste and other waste sources (global 11.6 target)

## ***0.c. Indicator***

Indicator 11.6.4. GHG emissions per capita

## ***0.e. Metadata update***

June 2021

## ***1.a. Organisation***

Ministry of Natural Resources and Environment;

## ***1.f. Contact mail***

No. 10 Ton That Thuyet - Hanoi

## ***1.g. Contact email***

portal@monre.gov.vn

## ***2.a. Definition and concepts***

Greenhouse gas emissions are gaseous components of the atmosphere, including natural gases and gases produced by human activities, that absorb and emit radiation at specific wavelengths in the spectral range of thermal infrared radiation emitted from the earth's surface, atmosphere and by clouds. These properties cause the greenhouse effect, only the heat-trapping effect in the lower atmosphere by greenhouse gases that absorb radiation from the ground and emit it back to the ground, making the lower atmosphere layer and the earth's surface warm. Under the Kyoto Protocol, the emissions causing the greenhouse effect are mainly composed of CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>, and NF<sub>3</sub>.

The amount of greenhouse gas emissions calculated as CO<sub>2</sub> emissions, collected nationwide.

## ***2.b. Unit of measure***

block tons/person

### ***3.a. Data sources***

National level statistical reporting mode, Statistical reporting mode of the Ministry of Natural Resources and Environment

### ***3.b. Data collection method***

Table No. 007.N/BCB-TNMT, national statistical reporting regime.

More information at the link: <http://dwrn.gov.vn/uploads/laws/file/2017/2018/20-2018-tt-btnmt-quy-dinh-che-do-bao-cao-thong-ke-nganh-tnmt.pdf>

### ***3.d. Data release calendar***

2 years.

### ***3.e. Data providers***

Ministry of Natural Resources and Environment

### ***3.f. Data compilers***

Ministry of Natural Resources and Environment

## ***4.a. Rationale***

The indicator reflects the emission of gases that mainly cause the greenhouse effect, destroy the ozone layer and have a direct impact on climate change.

## ***4.c. Method of computation***

Method of computation

Công thức tính:

$$\text{Lượng khí thải hiệu ứng nhà kính bình quân đầu người (tấn)} = \frac{\text{Tổng lượng khí thải hiệu ứng nhà kính quy đổi ra CO}_2 \text{ trong năm (tấn)}}{\text{Dân số bình quân năm (người)}}$$

## ***5. Data availability and disaggregation***

Annual data from 2010-2018 from the International Energy Organization and the World Bank published in the Country Report 2020 on 5-year progress in implementing the sustainable

development goals.

There are no officially published data from the Ministry of Natural Resources and Environment.

## ***6. Comparability/deviation from international standards***

This indicator reflects the sustainable development goals of Vietnam (target 11.6). The set of global sustainable development indicators does not have this indicator

## ***7. References and Documentation***

- Decree No. 60/2018/ND-CP dated April 20, 2018 promulgating the national statistical reporting regime
- Circular No. 03/2019/TT-BKHDT dated January 22, 2019 stipulating the set of statistical indicators for sustainable development of Vietnam;
- <http://dwrn.gov.vn/uploads/laws/file/2017/2018/20-2018-tt-btnmt-quy-dinh-che-do-bao-cao-thong-ke-nganh-tnmt.pdf>
- <https://unstats.un.org/sdgs/metadata/>