# Mandatory information on principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism

| N | Field | Content |
|---|---|---|
| **General information** | | |
| S.1 | Name | Bitvavo B.V. |
| S.2 | Relevant legal entity identifier | 724500MX2WBKDJP9HE56 |
| S.3 | Name of the cryptoasset | Verge |
| S.4 | Consensus Mechanism | Proof of Work (PoW) |
| S.5 | Incentive Mechanisms and Applicable Fees | A Proof-of-Work (PoW) consensus mechanism incentivizes miners to secure the network by publishing updates to the ledger in the form of blocks, containing newly submitted and verified transactions. Miners compete to solve cryptographic puzzles, and the first to succeed earns newly minted crypto-assets (block reward) and user-paid transaction fees. Misconduct, such as attempting to add invalid blocks or rewrite the history of the ledger, results in wasted computational resources and opportunity costs, creating an economic penalty that discourages dishonest behavior. |
| S.6 | Beginning of the period to which the disclosure relates | 2026-11-08 |
| S.7 | End of the period to which the disclosure relates | 2026-11-21 |
| **Mandatory key indicator on energy consumption** | | |
| S.8 | Energy consumption (per year) in kWh | 3263251.08051 |
| **Sources and methodologies** | | |
| S.9 | Energy consumption sources and methodologies | Data provided by CCRI; all indicators are based on a set of assumptions and thus represent estimates; methodology description and overview of input data, external datasets and underlying assumptions available at: carbon-ratings.com/dl/whitepaper-mica-methods and docs.carbon-ratings.com. We do not account for any offsetting of energy consumption or other market-based mechanism as of today. |
| **Supplementary key indicators on energy and GHG emissions** | | |
| S.10 | Renewable energy consumption (share of energy from renewable generation resources) in % | 35.023125047 |
| S.11 | Energy intensity (energy used per validated transaction) in kWh | 0.01098 |

Last review: 2026-11-22

| | | |
|---|---|---|
| S.12 | Scope 1 DLT GHG emissions – Controlled (per year) in t $CO_2eq$ | 0 |
| S.13 | Scope 2 DLT GHG emissions – Purchased (per year) in t $CO_2eq$ | 1297.77077 |
| S.14 | GHG intensity (emissions per validated transaction) in kg $CO_2eq$ | 0.00436 |
| **Sources and methodologies** | | |
| S.15 | Key energy sources and methodologies | Data provided by CCRI; all indicators are based on a set of assumptions and thus represent estimates; methodology description and overview of input data, external datasets and underlying assumptions available at: carbon-ratings.com/dl/whitepaper-mica-methods and docs.carbon-ratings.com. We do not account for any offsetting of energy consumption or other market-based mechanism as of today. |
| S.16 | Key GHG sources and methodologies | Data provided by CCRI; all indicators are based on a set of assumptions and thus represent estimates; methodology description and overview of input data, external datasets and underlying assumptions available at: carbon-ratings.com/dl/whitepaper-mica-methods and docs.carbon-ratings.com. We do not account for any offsetting of energy consumption or other market-based mechanism as of today. |