

The **MiCA Crypto Alliance** has prepared an ESG data sheet with mandatory, supplementary and optional MiCA-compliant indicators for Bitcoin (BTC).

The **MiCA Crypto Alliance** enables L1 and L2 crypto asset projects, exchanges, and other CASPs to produce state-of-the-art, uniform, MiCA white papers and MiCA sustainability indicators, setting and following best practices.



Exchanges and other CASPs members of the Alliance receive a downloadable, multi-crypto asset file with sustainability indicators with values as the below.

Article 3(1) CDR 2025/422

*"Information that crypto-asset service providers are to make publicly available on their website (...)
It shall be in form of a downloadable file and presented in a way that is easy to read, with characters of readable size and a style of writing that facilitates its understanding and that facilitates comparisons"*

Mandatory Information on principal adverse impacts on the climate

N	Field	Content																
General Information																		
S.1	Name	CF Technologies Limited																
S.2	Relevant legal entity identifier	98450091A6D61FB36406																
S.3	Name of the crypto-asset	Bitcoin / BTC																
S.4	Consensus Mechanism	Proof of Work (PoW)																
S.5	Incentive Mechanisms and Applicable Fees	<table><tr><td>Token</td><td>No</td></tr><tr><td>Block Producer Rewards</td><td>Yes</td></tr><tr><td>Staking Rewards</td><td>No</td></tr><tr><td>Delegation Rewards</td><td>No</td></tr><tr><td>Tx Fees</td><td>Yes</td></tr><tr><td>Gas Fees</td><td>No</td></tr><tr><td>Tx Burn</td><td>No</td></tr><tr><td>Gov Rights</td><td>No</td></tr></table>	Token	No	Block Producer Rewards	Yes	Staking Rewards	No	Delegation Rewards	No	Tx Fees	Yes	Gas Fees	No	Tx Burn	No	Gov Rights	No
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S.6	Beginning of the period to which the disclosure relates	2026-01-01																
S.7	End of the period to which the disclosure relates	2026-09-22																
Mandatory key indicator on energy consumption																		
S.8	Energy consumption	137,678,007,029.56800 kWh per calendar year																

N	Field	Content
General Information		
Sources and methodologies		
S.9	Energy consumption sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). As the base layer is a decentralised network, estimates on individual node power draw are used. Full methodology available at: www.micacryptoalliance.com/methodologies/esg

Supplementary Information on the principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism

N	Field	Content
Supplementary key indicators on energy and GHG emissions		
S.10	Renewable energy consumption	40.0948791816%
S.11	Energy intensity	319.16340 kWh per transaction
S.12	Scope 1 DLT GHG emissions – controlled	0 t CO ₂ eq per calendar year
S.13	Scope 2 DLT GHG emissions – purchased	49,618,671.77000 t CO ₂ eq per calendar year
S.14	GHG intensity	115.02537 kg CO ₂ eq per transaction
Sources and methodologies		
S.15	Key energy source and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/esg
S.16	Key GHG sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/esg

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

N	Field	Content																								
Optional Indicators																										
S.17	Energy mix	<table><tr><th>Energy source</th><th>Percentage {DECIMAL-11/10}</th></tr><tr><td>Bioenergy</td><td>0.4632110434%</td></tr><tr><td>Coal</td><td>10.8947257717%</td></tr><tr><td>Flared Methane</td><td>3.4975607970%</td></tr><tr><td>Gas</td><td>35.1198920333%</td></tr><tr><td>Hydro</td><td>0.2633406571%</td></tr><tr><td>Nuclear</td><td>7.3904067822%</td></tr><tr><td>Other Fossils</td><td>1.9084739843%</td></tr><tr><td>Other Renewables</td><td>0.8120443724%</td></tr><tr><td>Solar</td><td>4.4421480887%</td></tr><tr><td>Vented Methane</td><td>1.0940614500%</td></tr><tr><td>Wind</td><td>8.0434099689%</td></tr></table>	Energy source	Percentage {DECIMAL-11/10}	Bioenergy	0.4632110434%	Coal	10.8947257717%	Flared Methane	3.4975607970%	Gas	35.1198920333%	Hydro	0.2633406571%	Nuclear	7.3904067822%	Other Fossils	1.9084739843%	Other Renewables	0.8120443724%	Solar	4.4421480887%	Vented Methane	1.0940614500%	Wind	8.0434099689%
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S.19	Carbon intensity	0.36040 kg CO ₂ eq per kWh																								
S.22	Generation of waste electrical and electronic equipment (WEEE)	29,860.49391 t per calendar year																								
S.23	Non-recycled WEEE ratio	65.8176290722%																								
S.24	Generation of hazardous waste	14.93025 t per calendar year																								

S.25	Generation of waste (all types)	29,860.49391 t per calendar year
S.26	Non-recycled waste ratio (all types)	65.8176290722%
S.27	Waste intensity (all types)	69.22222 g per transaction
S.29	Impact of the use of equipment on natural resources	Land use: 1,102,507,477.83003 m ²
S.31	Water use	344,711,322.73324 m ³ per calendar year
S.32	Non-recycled water ratio	76.5200800647%
Sources and methodologies		
S.33	Other energy sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/esg
S.34	Other GHG sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/esg
S.35	Waste sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). As the base layer is a decentralised network, estimates on individual node weight, hazardous components and depreciation rate are used. Full methodology available at: www.micacryptoalliance.com/methodologies/esg
S.36	Natural resources	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Usage of

	sources and methodologies	natural resources is approximated through land use metrics. Land use, water use and water recycling are calculated based on energy mix-specific estimates of purchased electricity land intensity, purchased electricity water intensity, and water recycling rates. Full methodology available at: www.micacryptoalliance.com/methodologies/esg
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