



# DCENT

Energy Validation Process

Findings & Recommendations

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Storage Provider Name: DCENT

Location: Heerhugowaard, NL

Audit Date: October, 2023

Audit Time Period: July - September, 2023

## Summary

Thank you for completing the Filecoin Energy Validation Process (EVP). We recognize the dedication necessary to complete the EVP, and we appreciate your commitment to providing this level of transparency into your energy use.

Your EVP results and attached documents have been reviewed and validated against our environmental impact matrix and Green Score methodology.

This EVP includes reported minerIDs f01199442, f01199430, f01201327, f01207045, f01208862, f01240, f0707721, f02095132, f02366527, f01720359, f01771403, f01786387, f02033496.

## July - September 2023 Green Score

Your Green Score for this reporting period for your operations in the Netherlands is **98.333**, and your sustainability tier is **Platinum**. Please note that the criteria is subject to change on an annual basis to ensure our methodology remains aligned with evolving sustainability reporting best practices. Forthcoming changes include requirements on emissions profiling, green energy matching, and embodied emissions.

We look forward to actively engaging and collaborating to increase our collective expertise on these important energy use topics.

## Criteria and Findings

The Energy Validation Process (EVP) allows Storage Providers (SPs) interested in making strong sustainability claims to publicly verify the associated data. This process is designed to be conducted on a quarterly basis, during which SPs submit data on key operational criteria for the Filecoin Green team and third-party assessors to validate. To meet the requirements set forth in the EVP, Storage Providers provide information on location, water usage, energy consumption, and renewable energy purchases to Filecoin. Third-party assessors verifies the submitted information using utility bills, metering logs, and calibration records if available. Additionally, the third-party assessors attest to validity of sealing, storing, cumulative energy use, and

renewable energy production and consumption data within estimated lower and upper bounds by minerID.

The results of the EVP are overlaid on the environmental impact matrix and Green Score methodology to assign Storage Providers a Green Score ranging from 0 to 100. Green Scores embody our unyielding commitment to sustainability, a reflection of efficiency, and a roadmap to a carbon-neutral future. We've made it open source and accessible on the [Green Scores](#) website. Below you will find a detailed breakdown of your EVP and Green Score for this reporting period.

## Key Data and Metrics

Green Score Criteria	Data Inputs
SP Name	DCENT
minerIDs	f01199442, f01199430, f01201327, f01207045, f01208862, f01240, f0707721, f02095132, f02366527, f01720359, f01771403, f01786387, f02033496
Location	Heerhugowaard, NL
Reporting Period Start	07/01/23
Reporting Period End	09/30/23
SP Actual Net Power Consumed (kWh)	103,363
SP Renewable Energy Consumption total (kWh)	124,075
SP Average Data Storage Capacity over Reporting Time Period (PiB)	10.732
Estimate Cumulative Network Energy Use for Reporting Time period (kWh)	153,965,000
Average Network Raw Byte Capacity for Reporting Time Period (PiB)	11,141.12
Network Average Renewable Energy Purchases (kWh)	0
SP Grid Ave Emissions Factor gCO2/kWh	313.1
Global Average Grid Emissions Factor from OurWorldInData (gCO2/kWh)	436
SP Marginal Emissions Factor gCO2/kWh	503
Global Average Marginal Emissions Factor (gCO2/kWh)	614.98

Confidence Scoring Matrix		Location	minerIDs	Hardware	Water Use	Energy Use
Description	Weights	5%	4%	6%	5%	80%
<b>Location Information</b>						
Address reported on two third-party documents & all info matches	100%	5.00%				
<b>minerIDs Information</b>						
Auditor verifies no discrepancies	100%		4.00%			
<b>Hardware Information</b>						
Photo/video evidence provided to further verify claims	100%			6.00%		
<b>Water Use Information</b>						
No water use info	0%				0.00%	
<b>Energy Use Information</b>						
Power bill and granular measurements, and they match	100%					80.00%

Your Green Score Results	
Emissions Score:	1.000
Location Score:	1.000
Confidence Score:	0.950
Green Score:	98.333

Green Score Tiering	
Platinum:	90.01 - 100
Gold:	80.01 - 90
Silver:	70.01 - 80
Bronze:	60 - 70