How to Use the FLOWnomics Calculator

By Matt Blair, July 2025

This guide explains the 31 input fields for the FLOWnomics Calculator, a tool for valuing utility cryptocurrencies with 41 metrics, available at https://futurexrp.github.io/FLOWnomics-Calculator/. Each input is described below to help you understand what data to enter. For details on the output metrics, refer to the *FLOWnomics Cheat Sheet* (https://futurexrp.github.io/FLOWnomics-Calculator/FLOWnomicsCheatSheet.pdf). Enter values with commas for thousands (e.g., 1,000,000), percentages as whole numbers (e.g., 20 for 20%), and leave optional fields blank for defaults (0 or 1).

Input Fields

Input Field	What It Means	Example Value	Data Source
Settlement Volume Type	Choose whether to include all transactions (Total) or only on-chain transactions.	Total	Project data
Annual Settlement Volume (ASV, $)	Total value of transactions processed by the cryptocurrency in a year (in USD).	1,000,000,000	Blockchain explorers (e.g., Etherscan)
ASV Future Value ($)	Projected ASV for the forecast horizon (in USD).	2,000,000,000	Project whitepaper, market analysis
Velocity (times per year)	How many times each token is used in transactions annually.	5	Blockchain analytics (e.g., Glassnode)
Nominal Velocity (times per year)	Theoretical velocity under ideal conditions (times per year).	6	Project documentation
Velocity Change Rate (% per year)	Annual percentage change in velocity (positive or negative).	2	Historical data, trends
Standard Deviation of Velocity (90 days)	Volatility of velocity over 90 days (in times per year).	0.5	Calculated from transaction data
Forecast Horizon (years)	Time period for future projections (in years).	5	Your analysis goal
Total Circulating Supply (tokens)	Total number of tokens currently in circulation.	50,000,000	CoinMarketCap, project website
Locked Supply Percentage (%)	Percentage of total supply that is locked (e.g., in staking or vesting).	20	Project whitepaper, smart contracts
Additional Locked Supply Next Year (%)	Additional percentage of supply to be locked next year.	5	Project roadmap
Yearly Burn Rate (tokens)	Number of tokens removed from circulation annually (e.g., via burns).	1,000,000	Project tokenomics
Use Burn Rate	Check to include the burn rate in calculations.	Checked	Project burn schedule
Liquidity Buffer Ratio (%)	Extra liquidity percentage to stabilize economic base (FLOW).	20	Project liquidity pools
Use Liquidity Buffer	Check to include the liquidity buffer in calculations.	Checked	Project liquidity strategy
Current Market Price ($)	Current price per token (in USD).	2.00	CoinGecko, CoinMarketCap
Total Gas Used (native units)	Total gas consumed for transactions on the network.	1,000,000	Blockchain explorers

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Input Field	What It Means	Example Value	Data Source
Number of Active Wallets	Number of unique wallets with recent activity.	1,000,000	Blockchain analytics (e.g., Dune)
Maximum Transaction Capacity ($)	Maximum transaction value the network can handle (in USD).	1,000,000,000	Project documentation
Market Depth ($)	Total value of buy and sell orders in exchange order books.	1,000,000	Exchange APIs (e.g., Binance)
Slippage Threshold ($)	Maximum acceptable price impact for large trades.	100,000	Exchange trading data
Gini Coefficient	Measure of token distribution inequality (0 = equal, 1 = concentrated).	0.4	Calculated from wallet data
Price Volatility (% per year)	Annual percentage fluctuation in token price.	30	CoinGecko, historical data
Standard Deviation of FLOW (30 days, $)	Volatility of economic base (FLOW) over 30 days.	1,000,000	Calculated from transaction data
Standard Deviation of FLOW (90 days, $)	Volatility of economic base (FLOW) over 90 days.	1,500,000	Calculated from transaction data
Market Return (% per year)	Expected return of the broader crypto market for comparison.	10	Crypto market indices
Correlation Coefficient	Correlation of token price with the crypto market (-1 to 1).	0.7	Calculated from price data
Historical ASV Change (% per year)	Annual percentage change in ASV from past data.	10	Historical blockchain data
Historical Market Cap Change (% per year)	Annual percentage change in market capitalization.	5	CoinMarketCap, historical data
Historical Implied Price Change (% per year)	Annual percentage change in implied price from FLOW.	8	Calculated from FLOW data
Average Transaction Confirmation Time (s)	Average time to confirm transactions on the network.	2	Blockchain explorers
Industry Benchmark (s)	Typical transaction confirmation time for similar blockchains.	5	Industry reports (e.g., Ethereum)
Wallet Growth Rate (% per period)	Percentage growth in active wallets per period.	20	Blockchain analytics

For metric definitions, see the *FLOWnomics Cheat Sheet* (https://futurexrp.github.io/FLOWnomics-Calculator/FLOWnomicsCheatSheet.pdf).
Source code: https://github.com/FutureXRP/FLOWnomics-Calculator.
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