

trigger-execute-for-caller-rewards)

- [Trigger Trade\(\) to interact with an active dutch auction](#)

Carbon Vortex Functions

Carbon DeFi collects fees from trades performed on the Carbon DeFi network, and as a result of arbitrage transactions performed using the Bancor Arb Fast Lane. These proceeds can then be transferred into the Carbon Vortex contract and be up for sale in a Dutch auction pricing model.

These are popular flows that can be achieved using the Carbon Vortex:

Trigger Execute() for caller rewards

The Carbon Vortex allows any user to check the available token balances and trigger a function to process them, with an incentive.

The caller can follow these steps to complete the process:

1. Identify the size of opportunity - call the[read] availableTokens()
2. function to learn how many tokens are available to process.
3. Read the reward percentage - call the[read] rewardsPPM()
4. function to learn what is the reward percentage and threshold
5. Execute the transaction - call the[write] execute()
6. function to receive caller rewards

Trigger Trade() to interact with an active dutch auction

The Carbon Vortex offers tokens up for sale in a gradually descending price discovery flow known as Dutch auction. Any caller can identify and take opportunities when they occur.

1. Identify the available amount of tokens for sale by calling the[read]amountAvailableForTrading
2. function
3. Identify the current price by calling any of the following functions[read] expectedTradeInput, expectedTradeReturn, tokenPrice
4. Execute the trade by calling thetrade
5. function

[Write Functions](#) [Read Functions](#) Data & Events [Previous FeesWithdrawn\(\)](#) [Next Write Functions](#) Last updated 1 month ago