

Energy Incentive Documentation

This document provides a detailed overview of the incentive features and mechanisms added to the Energy Incentive contract. The contract aims to encourage user participation in energy trading and improve the liquidity of the system.

Incentive Features

- 1. Recharge or Expenditure Discount:** A 1% discount is given to users who recharge or expend energy in a single transaction exceeding 5 units.
- 2. Large Recharge or Expenditure Discount:** A 2% discount is given to users who recharge or expend energy in a single transaction exceeding 10 units. This will encourage users to conduct larger transactions, which is beneficial for activating the market.
- 3. Discount for Excessive Sellers:** When there are too many sellers on an order (total energy is greater than 10), a 5% discount is given to users who consume energy to increase liquidity.
- 4. Discount for Excessive Buyers:** When there are too many buyers on an order (total energy is less than -10), a 5% discount is given to users who recharge energy to increase liquidity.

Address	Initial energy status before energy trading	Balance in the smart wallet before energy trading	Energy status after energy trading
0x7fF84d926e9077B800ae985e48eC16533cBBdB21	2	100	4
0x3eB39B67879C07c08a2c3C8143E1e27e8B53Cf32	5	100	2
0x8D8930A5b5D6a5d5a5C0d4a6A4e6fC2d2E8AbE61	-1	100	3
0x9B9e8c88CCE53a09F6a57971d25AC8c027Cf6eb5	-3	100	-1
0x4c4b4D4d2C2Bd8aF0f23474b75D2882Bd450A9C6	4	100	0
0x6571BaB43e33AaDe1eCfE2250FDBAa2b00e3e682	3	100	1
0xF23aB1bC7bA17E228f62A2A15C3F3A728e39A101	-2	100	2
0x75a12d49F9CdBcdeA580f0527DfF77cE22A8b96F	6	100	2
0x5e5c6Ec4D94DDF2f24cE68f98cB7572Ac9463D27	5	100	7
0x80296B68eDd9Bc983fD7dC4cE2Bbb7944e3c9824	-4	100	-2
0x3C3A3A7dE93521b1EBa1C8e01D61a882cCf54D2E	4	100	2
0xaE68B48C7f38AfBaB1C20fC5c6d5D5c3fDB3216c	8	100	7
0x6918d7B08582EE31c35E59D2D6e8a6D2a6cE7d48	4	100	5
0x6C5a5bb5F83C9aAF06B82fA166b77dC29fA84bF2	6	100	6
0xD1a579bdc215D54dE165Db2a9023A4e14e4A4F97	7	100	4
0x09D32d155FFBB12D2a3A4C4f937aBe67Bc4E4e24	8	100	4
0x78fA29590fc41B80f5532c1F346C17D98f6f8c6E	-5	100	-2
0x6a8a98bDbe6c5e5a5d3c8a6bCf11c58d45D18a1e	3	100	6
0x2E2fC437e1a98d9fb26143c2b72Ee79345EcC55e	7	100	5
0x75a12d49F9CdBcdeA580f0527DfF77cE22A8b96F	4	100	8
			total = 2
			order = {0x75a12d49F9CdBcdeA580f0527DfF77cE22A8b96F:2}