Darkpaper

Sqrow NRG framework

Responsible energy consumption and Combating electronic waste

Document structure

1. Introduction

1.1 Background

The mining sector continues to grapple with challenges related to energy inefficiency and environmental issues. Therefore, understanding that each step toward environmentally friendly practices holds significant value is crucial.

The creation of Sqrow NRG represents a massive stride toward mass-scale energy reduction and carbon footprint minimization. Each of us can contribute to environmental protection, starting with small yet impactful actions, such as responsibly managing the batteries of our mobile devices.

Sqrow NRG is a part of the Sqrow ecosystem, where responsible device charging management is encouraged. This applies to various devices, including laptops, tablets, smartphones, and, in the future, electric vehicles. The core idea of Sqrow NRG is to combine device care with the development of a blockchain ecosystem and environmental stewardship.

1.2 Objectives and mission

The mission of the Sqrow NRG project encompasses three vital directions: nature conservation, energy efficiency, and responsible consumption.

Significance of the Sqrow NRG Project for the Environment and Society:

★**Reducing environmental impact:** The Sqrow NRG project introduces a cryptocurrency system with negative energy consumption, reducing the negative impact on nature. Cryptocurrency mining typically requires substantial energy consumption, and the reduction in energy usage helps decrease greenhouse gas emissions, contributing to the ecosystem's sustainability.

★**Minimizing electronic waste:** Sqrow NRG creates solutions that reduce the need for high-performance computing and specialized equipment, often leading to electronic waste generation. This project encourages sustainability and prolonged device use, contributing to the minimization of electronic waste.

★**Popularizing responsible consumption:** Sqrow NRG enables users to become part of the "green community," actively engaging in responsible consumption. Mining with negative energy consumption encourages users to make informed choices, reducing energy consumption and, thus, helping conserve natural resources. This project can also contribute to the development of environmental awareness among participants and society at large.

★**Ensuring sustainable and long-term value:** One of the goals of Sqrow NRG is to create sustainable and long-term value for users and investors. This helps reduce cryptocurrency market volatility and creates an ecosystem that contributes to sustainable economic development.

★**Promoting research and development:** The Sqrow NRG project actively participates in research and development in the field of "green technologies" and blockchain. This helps discover new ways to reduce energy consumption and enhance the sustainability of blockchain technologies.

2. Tokenomics

2.1 Total token supply

To ensure long-term value appreciation, we have opted for a deflationary tokenomics model and set the maximum supply of our native tokens at 510,072,000 Sqrow. This figure represents the Earth's surface area in square kilometers, symbolically reminding us of the need to cherish each one.

2.2 Utility within the ecosystem

The Sqrow token is an integral part of the NRG ecosystem, offering numerous ways of practical use:

1. Mining and rewards:
Users can mine Sqrow tokens by earning rewards for actions related to energy conservation and device care, as outlined in the tokenomics document. These rewards incentivize responsible device usage and nature preservation.

2. Participation in the ecosystem:

The Sqrow token is a key element of the NRG ecosystem. Users can use tokens to access various features and capabilities provided by the application. This includes reward levels, environmental reports, device usage statistics, and other services.

3. Long-Term holding and reward amplification:

Holding Sqrow tokens on a long-term basis brings additional benefits, including increasing rewards over time. This stimulates long-term participation and token retention, contributing to the stability and growth of the ecosystem.

4.Support for environmental initiatives and recycling:

A portion of the funds collected from mining Sqrow tokens and other activities can be directed toward supporting environmental initiatives such as tree planting, environmental cleanup, and other projects in defense of nature. Users can also receive additional rewards for the proper disposal of obsolete devices and integrating them into the ecosystem.

2.3 Incentive mechanisms

We have implemented a unique incentive mechanism that encourages miners to optimize the energy efficiency of their devices and battery health.

All details are outlined in the tokenomics, partnership program, and airdrop document for the Sqrow ecosystem, included in the comprehensive ecosystem documentation.

3. Core mechanics of Sqrow NRG

3.1 Implementation:

Sqrow NRG incentivizes user actions and habits:

★**Charge not exceeding 80% (minimum reward):**
Users receive a reward for maintaining their device charge at levels not exceeding 80%.

★**Discharge not below 30% (maximum reward) or 20% (Average Reward):** Users receive different levels of rewards for discharging their devices within specified parameters.

★**Increased battery lifespan (maximum reward):** When users can extend the battery life of their devices, they receive the maximum reward.

★**Minimized charging connections (minimum reward):** The less frequently users connect to the charging device, the higher the rewards they receive.

3.1.2 Internal value:

Sqrow NRG provides users with valuable information and tools:

★**Battery status information:** Users can track the status of their battery, including its dynamic lifespan.

★**Health tracker:** The app shows users how often they need to take breaks from using their devices, promoting improvements in their health.

★**Minimizing environmental Impact:** Users can see the environmental benefits they bring, including saved resources and potential positive impacts on nature.

3.1.3 Positioning:

Sqrow NRG positions itself as the world's first crypto ecosystem with negative energy consumption. It aims to monetize benefits for nature while facilitating earnings, helping users become healthier, and improving the world around them.

3.1.4 Motivation for HODLing:

Sqrow NRG encourages users to hold tokens and participate in the ecosystem:

★**Hold longer, earn more:** The longer a user holds their tokens in the app, the greater the rewards they receive.

★**Don't discard old devices, earn more:** Old devices can generate income if they work in tandem with new ones, encouraging device recycling.

★**Additional bonuses for recycling:** Users receive bonuses for environmentally friendly disposal of old devices.

3.2 Collaborations:

Sqrow NRG forms partnerships with various parties:

★**Device Manufacturers:** They gain the opportunity to sell devices integrated with Sqrow NRG, positively impacting brand awareness in the context of sustainable development, and efficiently recycling old devices.

★**Environmental Organizations:** Collaboration with environmental organizations helps improve ecological situations.

★**Developers:** Developers benefit from lower transaction costs and participate in something useful and environmentally friendly.

4. Interface design:

The Sqrow NRG interface includes:

★**Bonus bar:** Displays the charge level, device status, and rewards for the current state. The dynamic state is also displayed within the bar.

★**NFT Batteries:** Tokens can be presented as NFTs, with their value depending on their class and rarity.

★**Charge and discharge notifications:** Users receive notifications about the current battery status and related bonuses and penalties.

★**Developer tools:** Sqrow NRG provides tools for integration into existing applications, allowing developers to incorporate additional energy-saving bonuses into their apps.

5. Focus on battery health:

To optimize mining and promote responsible battery use, our network collects smartphone battery data. We calculate the Battery Health Index (BHI), evaluating the smartphone miner's battery condition. BHI plays a crucial role in our consensus mechanism.

Miners are recommended to implement strategies to extend the battery life of their devices to optimize mining and support responsible energy consumption.

6. Security and risk mitigation

1. Secure storage and transactions:
Sqrow tokens are recommended to be stored in secure wallets that ensure confidentiality and prevent unauthorized access to accounts. All transactions within the ecosystem are conducted using advanced encryption methods and confirmed by Bitcoin-compatible networks, ensuring the security of transfers and operations.

As an additional security measure, once our upcoming development, Payond Cryo, is ready, it is advisable to utilize it as a means of securing funds within a super-cold wallet. Additional details on security are available in the Payond Cryo Wallet document, included in the comprehensive Sqrow ecosystem documentation.

2. Audit and transparency:

To reduce risks and enhance user trust, the Sqrow NRG ecosystem undergoes regular audits. The audit results are made accessible to the public, ensuring maximum transparency in the system's operations.

3. Fraud protection:

Sqrow NRG is a reliable service that provides its users with a high level of security and protection against fraud. We scrutinize each user action and take appropriate measures to prevent fraudulent schemes. Thanks to the use of modern technologies and ongoing system improvements, Sqrow NRG ensures maximum security for its users.

4. Partnerships:

Sqrow NRG establishes partnerships with device manufacturers, environmental organizations, and cybersecurity experts.

5. Staking and decentralization:

The Sqrow token staking mechanism allows users to participate in network security. Token-holding users can engage in voting and make important decisions within the ecosystem. The decentralized nature of Sqrow NRG contributes to security and risk reduction associated with centralized systems.

6. Education and community:

Sqrow NRG invests in educational programs and initiatives, providing users with resources and knowledge for the safe use of cryptocurrencies.

7. SaaS Solutions

7.1 Easy integration:

Our SaaS solution simplifies the integration of third-party applications. Developers can easily incorporate Sqrow NRG mining capabilities into their applications, allowing users to mine tokens while using these applications. This integration is user-friendly and requires minimal effort from application developers.

7.2 User rewards:

To encourage user engagement and participation, our SaaS solution offers rewards to users contributing to the mining process through their integrated applications. This promotes widespread adoption and use of Sqrow NRG in various applications.

8. Conclusion

Sqrow NRG is a system that combines responsible device battery management with charity, environmental initiatives, and Sqrow token mining.

The application provides users with the opportunity to earn tokens and other rewards by focusing on energy conservation and taking care of their devices.

Implementing battery management and optimizing device usage strategies allows users to increase their Sqrow token rewards while promoting an environmentally friendly lifestyle.

Considering the long-term perspective, nature-friendly tokenomics, and secure asset management, Sqrow NRG sets an example of a responsible cryptocurrency ecosystem. We invite you to join this mission of earning, getting healthier, and making the world around us better. There are many opportunities ahead for development and creating a positive impact on nature and society.

Appendix A: Solution for sustainable reduction of electronic waste

1. introduction

1.1 Background

Electronic waste (E-Waste) is a serious global problem with adverse consequences for the environment.

In this document, we outline how Sqrow NRG contributes to reducing electronic waste.

1.2 Objectives

Our project aims to revolutionize mobile mining/staking while simultaneously addressing the ecological impact of electronic waste. By extending battery life and promoting responsible consumption, we aim to significantly reduce electronic waste.
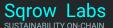
2. Electronic waste and its impact

2.1 Global production of electronic waste

In 2022, approximately 5.3 billion smartphones were discarded worldwide, exacerbating the growing issue of electronic waste.

2.2 Smartphone and battery waste in 2022

About 1 billion batteries were disposed of, intensifying the environmental impact. Improper disposal of each battery was found to pollute around 400 liters of water and 20 square meters of land if not handled properly.

2.3 Impact of batteries on the environment

Improperly disposed mobile batteries contribute to soil and water pollution and consume valuable land resources.

3. Role of Sqrow NRG in reducing electronic waste

3.1 Battery life extension

Sqrow NRG encourages users, through simple actions, to extend the battery life of their smartphones, effectively doubling it from 1-2 years to 3-4 years. This practice reduces the frequency of battery replacements and their further impact on the environment.

3.2 Promotion of responsible consumption

Sqrow NRG promotes responsible consumption by motivating everyone to use existing smartphones and even old devices for mining, rather than discarding them and creating electronic waste.
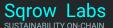
4. Reducing electronic waste

Consider the potential impact of a Sqrow NRG-based solution capturing 5% of the global mobile mining/staking market.

Projected impact:

- **Smartphones not discarded:** 5% of 5.3 billion = 265 million smartphones annually.

- **Batteries not discarded:** reduction in battery replacements for 265 million smartphones annually.

- **Land not polluted:** 20 square meters per battery * 265 million batteries = 5.3 billion square meters of land saved annually.

- **Water not polluted:** 400 liters per battery * 265 million batteries = 106 billion liters of water per year.

- **Cost savings:** users collectively save around $100 USD per smartphone due to extended battery life and reduced replacements ($26.5 billion USD every 2 years).

5. Conclusion

5.1 Summary of key findings

The Sqrow NRG solution offers innovative methods to reduce the level of environmentally harmful electronic waste, promoting responsible consumption.

Capturing even a modest market share, these methods will lead to significant cost savings and environmental improvement.

5.2 Sustainable future with Sqrow NRG

We envision a future where responsible battery management and sustainable device interactions become the norm.

By embracing Sqrow as part of daily life, users contribute to creating a greener and more sustainable world, protecting the environment and preserving valuable resources for future generations.