

Sol-bank - making change happen

Lamp and phone charger powered by
solar energy and blockchain



SOL-BANK

By FRED Energy
Create a **BRIGHTER FUTURE** with Us

lightpaper

**APRIL 2023
UPDATE**

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WHAT IS SOL-BANK?

Sol-bank provides lighting and mobile phone charging facilities powered by solar energy to those living in rural communities and those with unreliable access to energy. In addition, we bring awareness to the Stellar blockchain and cross-border payment systems to the unbanked.

Sol-bank users receive daily SOLS tokens which can be exchanged for other assets on the Stellar Decentralised Exchange (SDEX).

The incentive of SOLS token rewards can dramatically reduce the cost and time of Sol-bank ownership compared to the current PAYG models used in many off-grid communities.



Sol-bank is a lighting and power solution with a capacity between 38-76 Wh using LiFePO4 battery cells

BASIC NEEDS

There are over 600M people without access to basic energy products such as lighting and phone charging

FINANCIAL INCLUSION

The number of unbanked globally is even greater. Smartphone use in developing nations is growing rapidly and are commonly used to facilitate income

The Stellar network and integrated cross border payment systems are an ideal solution where banking and remittance systems are expensive, exclusive or non existent

HOW IT WORKS

Solbank users are onboarded via partnerships with established distributor networks. Each Sol-bank has a unique serial number that is registered on our platform. Sol-bank users create a Stellar network based account (Lobstr, Freightier etc) to receive their daily SOLS rewards.



Light, power, passive income

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SOL-BANK DAILY REWARDS

What differentiates us from the competition is our blockchain use case and daily rewards incentive. The user can swap SOLS for any other asset on the SDEX or convert to phone credits which are then used towards the rental cost of the product. This helps to reduce the time and cost of ownership whilst providing access to the Stellar financial system.

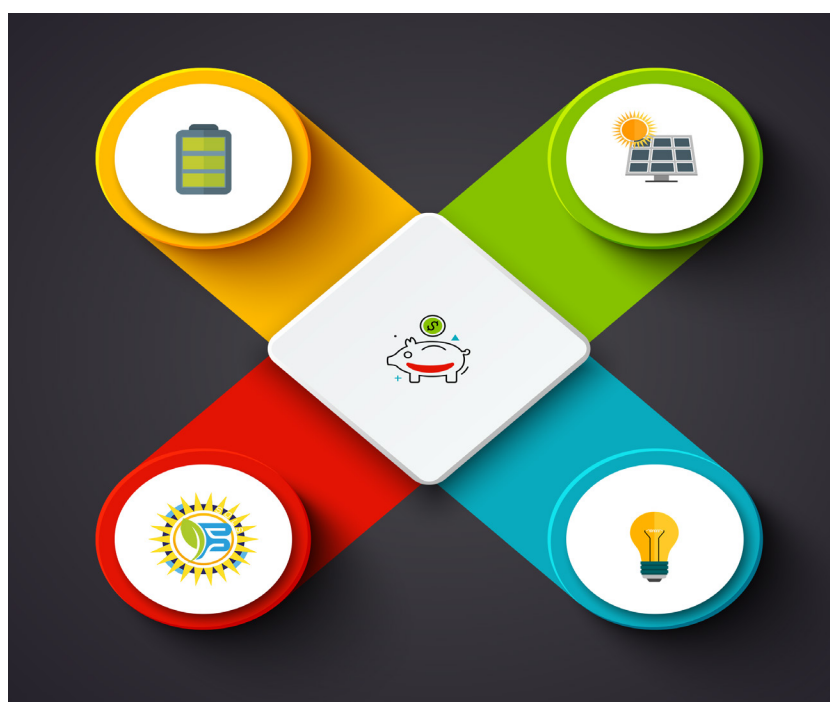
Each Sol-bank owner receives a daily reward based on the average Wh output of the bundled solar panel which is then multiplied by 30 to give a fair value.

e.g. Average hours of sunlight × solar panel watts × 75% = daily watt-hours

Based on a 20W solar panel this equates to 9 hours × 20w × 0.75 = 135Wh

We then multiply the Wh by a factor between 30 - 60 depending on the current market to give the number of SOLS per day.

Profits arising from sales and rentals of Sol-banks will be used to purchase further products with surplus funds being added to liquidity pools which enables token swaps. Each Sol-bank purchase and rental is recorded on the blockchain via our FACT token which automatically updates the figures on solsbank.com.



SOCIAL GOOD FUND

HELPING TO REDUCE POVERTY AT HOME AND AWAY

The Social Good Fund is used to help people and communities prosper where there is little opportunity. This will range from solar energy systems to simple tools and resources that foster and enable self sufficiency



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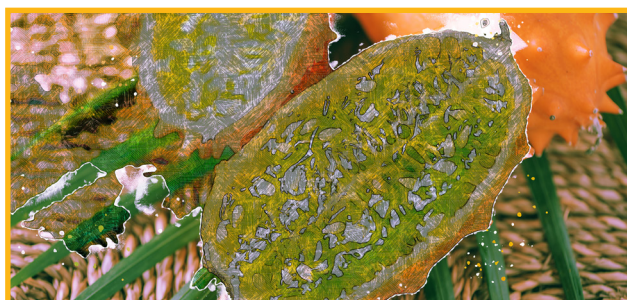
SOCIAL GOOD FUND

Modern living, media and technology are pushing us towards a more insulate society. We cannot help everyone all of the time but we can all do our bit to help those less fortunate than ourselves and turn things around. The social good fund aims to help those struggling with poverty closer to home and away. Each donation will be trackable on the blockchain and will be announced on our blog and social medias.

In addition to the fund itself, we will foster the creation of artwork by the Sol-bank communities and turn this artwork into NFT's on the Stellar blockchain. The creator will receive 80% of the sale proceeds with 20% going into the Social Good Fund.

NFT's by the community, for the community

Hidden talents may be awakened



PROGRESS 2023

The project has made great progress over the last year and has empowered many families and whole communities in Uganda and Nigeria



Empower

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SOL-BANK DISTRIBUTION

The project has distributed over 100 devices, the majority being on a PAYGO (Pay-As-You-Go) contract with 10 devices being donated in Uganda and one in Nigeria via the Social Good Fund.

We currently have two distributors who earn commissions for each device sold or rented and demand is outpacing supply. The circular funding method means we need to wait until we have received rental payments before we are able to purchase more devices. However, we are looking for new ways to fund the shipment of more Sol-banks including fundraising and donations.

Receivers of Sol-Bank donations



CO2 OFFSET **NFT's**

The project created some of the first ever Carbon
Offset NFT's on the Stellar blockchain



Zero greenwash

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CO2 & Black Carbon NFT's

Each of our distributed devices is recorded to the blockchain via a non-tradeable token FACT (FRED Asset Control Token).

An immutable record, we then use this information to create Carbon Offset NFT's that are directly linked to the distributed device. Each NFT can be scanned via a QR code which leads to the transaction details. Holders of Sol-bank NFT's receive a monthly reward of SOLS tokens.

Funds from the sale of NFT's are distributed 50/50 between the Social Good Fund and general operations.

If you are looking for a cool piece of artwork that has real meaning and benefits then please take a look at our portfolio on [Litemint.com](https://litemint.com)

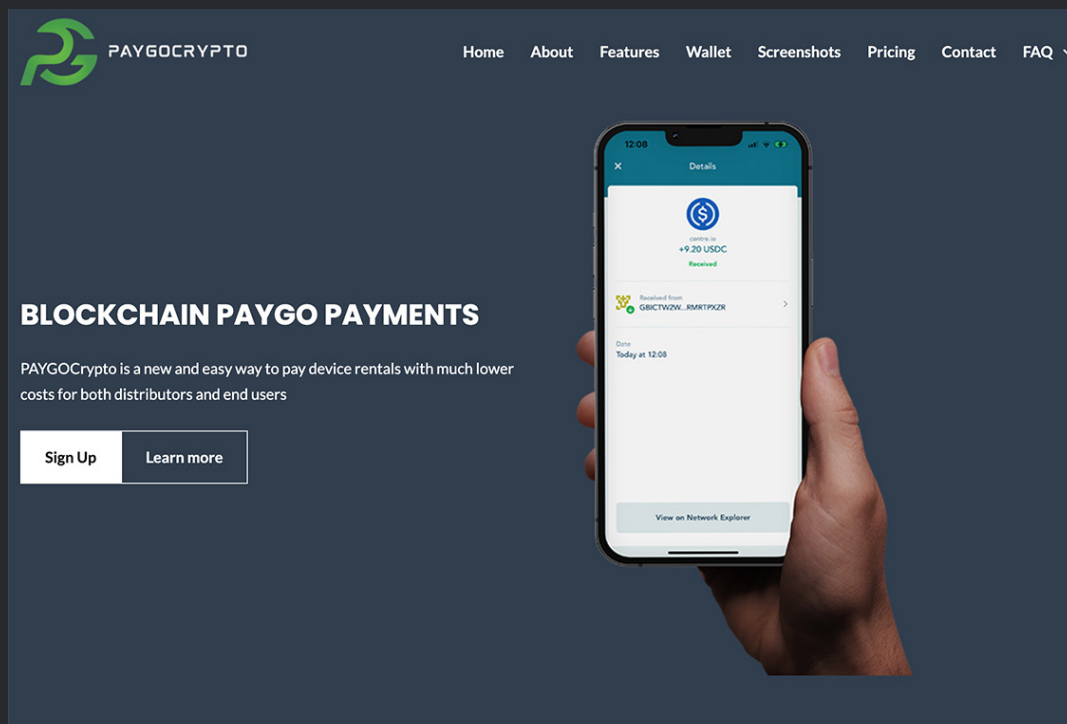


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USDC to **PAYGO**

A worlds first, we developed the ability to pay
and receive an unlock code via blockchain



The screenshot displays the PAYGOCRYPTO website. The header includes the logo and navigation links: Home, About, Features, Wallet, Screenshots, Pricing, Contact, and FAQ. The main content area is titled "BLOCKCHAIN PAYGO PAYMENTS" and describes the service as a new and easy way to pay device rentals with much lower costs for both distributors and end users. Below this text are two buttons: "Sign Up" and "Learn more". To the right, a hand holds a smartphone displaying a transaction confirmation screen. The screen shows a USDC icon, the amount "+9.20 USDC", a "Received" status, a transaction ID "GBCTVZWV_KMTPKZR", and the date "Today at 12:08". A link to "View on Network Explorer" is at the bottom of the screen.

Blockchain use case

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PAYGOCrypto

In December 2022 we made history with the first blockchain based USDC to PAYGO unlock code transaction. Mobile money is currently the leading payment method for users of PAYGO devices. In 2021, Mobile money reported a total transaction value of \$1.045 trillion.


We believe there is scope for competition as we move towards a more decentralised digital future and have further developed the payment system to create a new global platform. PAYGOCrypto is a global payments platform aimed at reducing cost and entry barriers for both providers and customers of PAYGO (Pay- As-You-Go) devices. It is the first of its kind to use blockchain based PAYGO token generation. View the pitch deck here.

What makes PAYGOCrypto different? Anyone can pay a user/customer's rental. This leads to incentives such as donations where anyone with access to USDC on the Stellar network could donate a month's device rental to a user.


PAYGOCRYPTO


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[About](#)
[Features](#)
[Wallet](#)
[Screenshots](#)
[Pricing](#)
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[FAQ](#)

PLATFORM FEATURES




Global coverage

As long as there is internet connectivity, you can use our platform




Near zero fees for customers

Your customers pay near zero fees when paying their rental typically \$0.001




Easy user management

Easily assign devices and set product payment plans through the admin dashboard




Reports

Track your customer payments, report on income and more



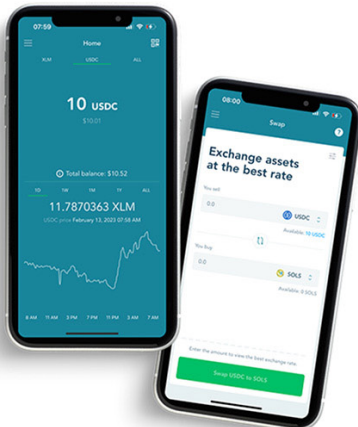
Fast onboarding

We aim to approve new distributors within 48 hours



Last mile enabled

Take payments in local currency and use your account to generate a new code for the customer



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SOLS TOKENS

SOLS is a utility token used to generate project funding and provide rewards to Sol-bank users and community holders



Hodl, Earn

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SOLS REWARDS

Holders of SOLS tokens receive bi-monthly rewards based on their SOLS holdings.

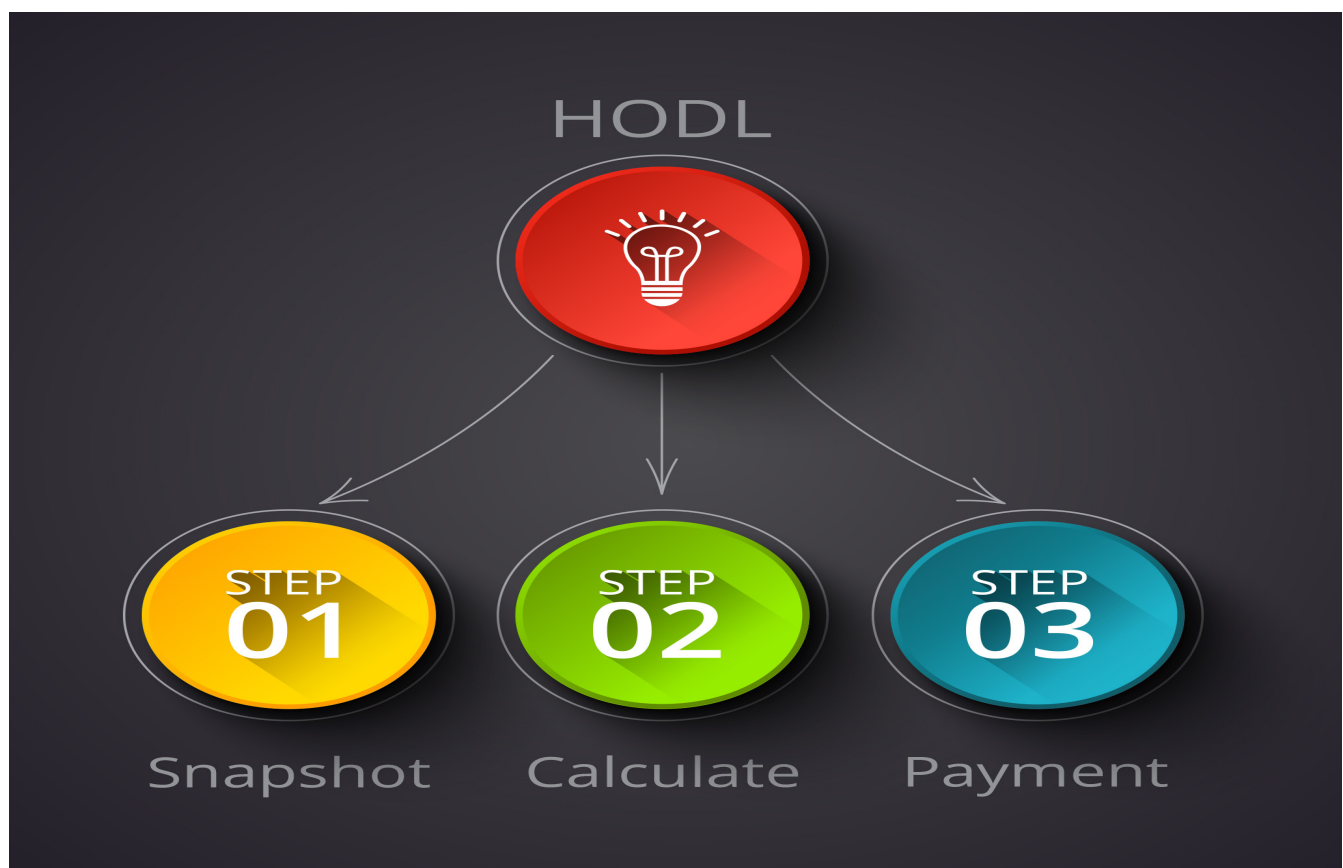
32% of the total supply (2,585,600,000) have been allocated to rewards over a 4 year period. Rewards are automatically calculated and sent every 2 weeks.

The amount of rewards is based on the number of SOLS tokens held at the time of each snapshot of the blockchain. Tokens held in liquidity pools and wallets are included in the snapshot taken on the 13th and 27th of each month.

Note: Wallets are required to hold over 30,000 SOLS. Rewards are paid to all liquidity providers regardless of balance. Eligible liquidity pools include SOLS/FRED, SOLS/XLM, SOLS/USDC

E.g. 26,933,333 SOLS distributed every 2 weeks

Holder Alice has 4% of circulating SOLS supply, she receives 1,077,333.32 SOLS for that period



FRED COMMUNITY FUND

Giving back to our community



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FRED COMMUNITY FUND For FRED Token Holders

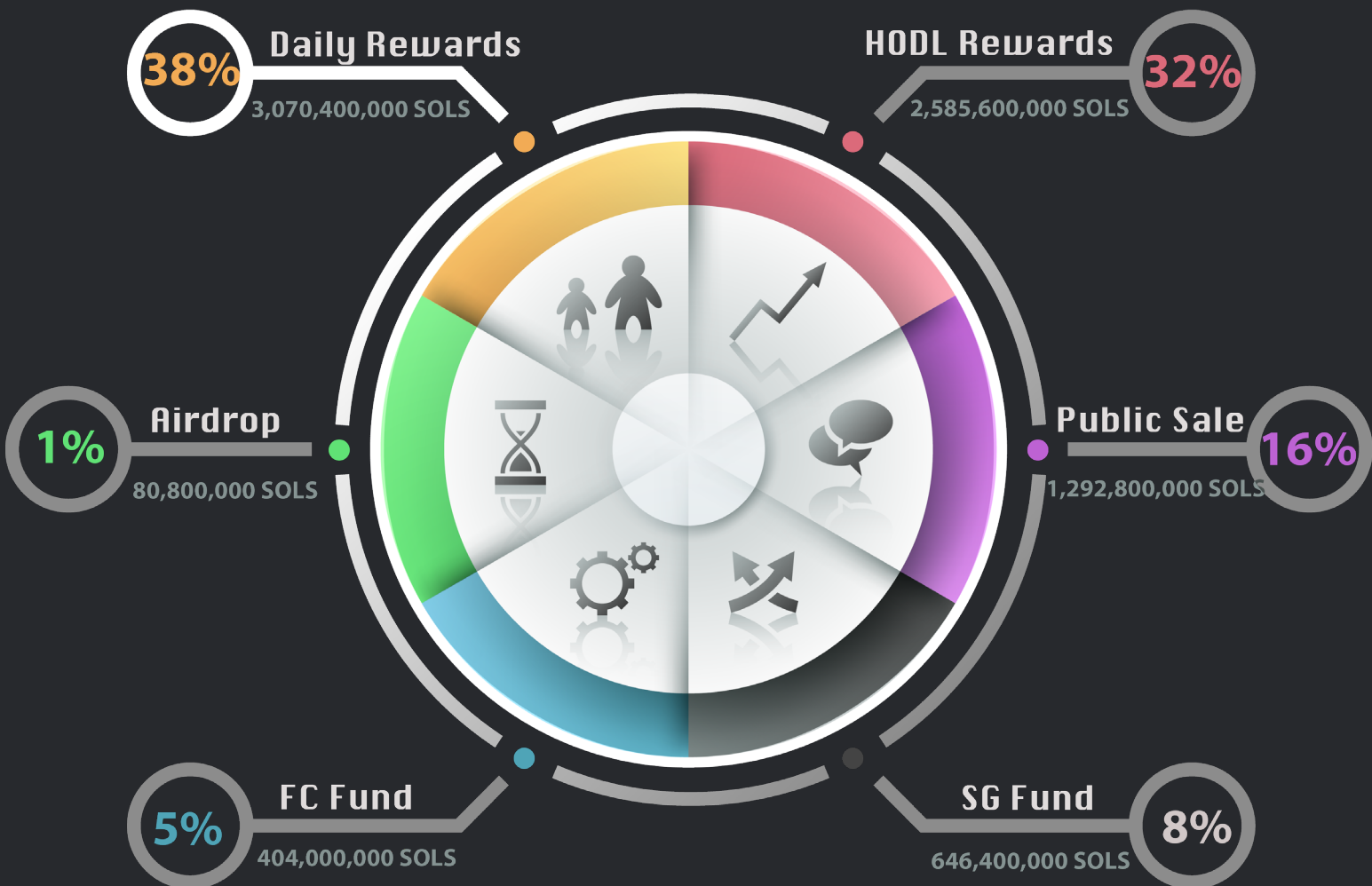
FRED Energy is the company developing Sol-bank and PAYGOCrypto with several other green energy projects planned for the future. During the launch of Sol-bank we created the FRED Community Fund to give back to our long time supporters of our project. This is an eighteen month liquidity fund consisting of SOLS/XLM and FRED/SOLS. After the vesting period expiry, all assets within the fund will be distributed to FRED token holders based on their FRED token holdings. Vesting expiry date is September 2023 with a random date snapshot prior to distribution.

E.g. If you hold 3% of the circulating supply of FRED, you will receive 3% of the fund.



THE TOKENOMICS

8,080,000,000 SOLS



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TOKEN INFORMATION

Token ticker - SOLS

Issuer - GAWTJMZIR4KPCZ7BQZK6QRAJYT6FOIM3YP2MKGWOYHPJYQQOIEJWFRED

Domain - solsbank.com

Funds generated from the public sales allocation will have the following applied;
35% allocated to product purchases (Sol-banks) , 65% added to XLM/SOLS liquidity
Approx 40% of sales tokens will be used to match liquidity in the XLM/SOLS pool.

Tokens have been distributed to the following wallets, click the address for more information

Sales wallet

GBLCU7XJBBVL64Z54V76JNPZDJC6LH5MEPC3YQEVBTZVEZ5WXP4NSOLS

Airdrop

GB7LCWO6XBPU2JVLZNC6C6ZSHQK4WE5WVXWDRYCHW7SFDKB3UC5LNAIR

Social Good Fund

GB2OMKTDS4IUUCSWE37SOCMWWZINKLV6ERJEKWZ5E5QBBBPH5AAAZSGF

HODL Rewards

GBWQLI7DDS5SM27ATPWFEKQEMASKYXJCHQ43VURQGXMDQDPNQEY27SHR

Daily rewards

GBGNP4S7HRDB2QUSZU5MJPVMBZCXZIZFAC2ENAW3BIZMHBYQ5KRCASDR

FRED Community Fund

GCARYG2JJRDYMS6IRTJ7MIL5WYJYW7PTXMFIW4IFVMN7V5DGBCT23FCF

CONTACTS

JOIN OUR SOCIALS AND SUPPORT OUR PROJECTS

*We value our community and supporters, with your help we can make
change happen for social good, and for all our futures*



email - hello@solsbank.com



website - <https://solsbank.com>



twitter - https://twitter.com/energy_fred



telegram - <https://t.me/FREDEnergycommunity>

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DISCLAIMER PLEASE READ

FRED AND SOLS TOKENS ARE AVAILABLE ON THE STELLAR DECENTRALISED EXCHANGE (SDEX), WE DO NOT PROVIDE INVESTMENT ADVICE AND YOU SHOULD ALWAYS DYOR. MORE INFORMATION CAN BE FOUND ON OUR WEBSITE [HTTPS://FREDENERGY.ORG](https://fredenergy.org), [SOLSBANK.COM](https://solsbank.com)

WE ARE LEGALLY OBLIGED TO PROVIDE THE FOLLOWING INFORMATION WHICH CAN ALSO BE FOUND ON OUR WEBSITES (WHITEPAPER, PITCH DECK);

TOKENS ISSUED BY FRED ENERGY AND THE FRED PROJECT ARE "UTILITY" TOKENS ISSUED TO FUND DEVELOPMENT OF OUR PROJECTS AND CAN BE USED TO PURCHASE SERVICES OR GOODS FROM OUR PLATFORMS IN THE FUTURE.

TOKENS ISSUED BY FRED ENERGY AND THE FRED PROJECT DO NOT REPRESENT EQUITY, SHARES, ROYALTIES OR RIGHTS TO CAPITAL, DIVIDENDS, INTEREST, PROFIT OR INCOME IN THE ENTITY THAT ISSUES TOKENS OR ANY OTHER ENTITY IN ANY JURISDICTION. FRED ENERGY TOKENS ARE NOT DESIGNED OR INTENDED TO HAVE A PARTICULAR VALUE OUTSIDE THE FRED ENERGY AND FRED PROJECT PLATFORM AND ECOSYSTEM.

FRED ENERGY TOKENS SHALL NOT BE USED OR PURCHASED FOR SPECULATIVE OR INVESTMENT PURPOSES. BY HOLDING FRED ENERGY TOKENS, YOU ARE NOT IN PROVISION OF RIGHTS WITH RESPECT TO THE COMPANY, REVENUES OR ASSETS. THIS INCLUDES BUT IS NOT LIMITED TO VOTING RIGHTS AND INTELLECTUAL PROPERTY (PROPRIETARY) OR ANY OTHER LEGAL OR FINANCIAL RIGHTS."

Thank You

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