ERGON by USTX

Up Stable Token eXperiment

S4 HackaTron special edition

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Tron blockchain is undergoing some important changes regarding the staking system: here comes Stake 2.0

What will it bring?

More flexibility and features for advanced users, separating the staking and the resource delegation process, offering new opportunities for the energy market.

Ergon aims to simplify the usage and offer a energy renting service and high yield earn on TRX

The background

Up to now, staking (freezing TRX) and resource delegation has been a one step process. Stake 2.0 gives the possibility to stake and vote for SRs and separately delegate resources (energy and bandwidth) to other users. Also, full TVM compatibility opens new opportunities for a decentalized energy market.

	Stake 1.0	Stake 2.0
Operation of Staking and Resource Management	• Staker can only assign resource recipients when staking. • Undelegating needs unstaking in the meantime.	• Staker obtains resources by staking first, and the resource can be delegated to others then. • Undelegating does not need unstaking anymore.
Resource Management	• Any unstaking will revoke all votes in the account. • Unstaking and Undelegating cannot specify the amount of TRX.	• Partial unstaking would not revoke all votes, it only revokes a certain amount of votes as needed if the spare voting rights are insufficient for release. • Unstaking and Undelegating can specify the amount of TRX.
Unstaking Lock Period	• Unstaking can only be done three days later after staking for a type of resource and a recipient, a new staking transaction will make all TRX staked for such type of resource and recipient locked again for three days.	• Unstaking can be done anytime, would not be affected by new staking transactions, only a short period of time needs to be waited before withdrawing.
TVM Supporting Stake and Delegate Instructions	• Not supported	• TVM supports all Stake 2.0 related instructions.

The goal

Ergon is a dApp that gives users 3 main opportunities:
- Save on transaction fees by renting energy at the best rates;
- Earn on TRX deposits in a hassle free way
- Participate in governance by supporting community driven SRs

Core technology — Energy market

The energy renting platform has a dynamic price, that depends on the energy utilization rate, the duration of the rent and the amount of USTX held by the user in stake. Low amount rents will be zero fee. Each order will be released automatically at expiration. A 1 day deposit is charged to cover the cost of unrecovered energy. The residual deposit will be sent back to the user at release time.

- **Flexible duration**: 1-7 days
- Base price for 1 day, **15% discount for every additional day (max 30%)**
- **Zero energy required** to rent for small amounts (contract pays fees)
- Up to **10% discount for USTX stake holders**
- **Dynamic pricing**
- **Automatic release** at expiration
- Security deposit of 1 day of energy cost and **automatic refund** of the recovered energy (up to 100%)

Core technology — TRX staking

The stake part is based on the liquid staking concept. When depositing TRX in the contract, the same value in ERG tokens will be minted to the user wallet. The ERG/TRX price will increase over time, incorporating all energy sale revenue. The deposits are locked for 15 days. The energy sale profits are automatically compounded in the ERG price, so the user is not required to take any action. A part of the rewards is accumulated in a Jackpot reserved to USTX stake holders.

- **Deposit TRX and get ERG**
- **ERG/TRX exchange rate will always increase**, incorporating all system rewards
- **75% base share** on energy profits
- up to **25% additional return for USTX stake holders**, resulting in **100% share** on energy sales
- **TRX are locked** for 15 days.
- **Partial unlocking is allowed**. Early unstake will be possible through other means (e.g. TRX/ERG liquidity pools on **JustMoney** and other DEXs).

Core technology — Governance

All TRX staked in the contract will generate voting power. **All votes will be cast to community driven Super Representatives**. The USTX Team will support **TuruGlobal SR** from the beginning. ERG holders will be able to propose new SRs and on-chain voting will decide.

Benefits for USTX users

- Up to 10% discount on energy price. The discount is max when the user has at least 1 USTX in locked staking every 2 energy points rented

e.g. user rents 500,000 energy and has 100,000 USTX in stake. The discount is 4% (40% of max).

- Up to 100% share of energy revenue. 75% base share + jackpot share up to 25%. Max jackpot share is achieved by having 1 USTX in locked staking every 1 ERG held.

e.g. user holds 100,000 ERG and has 60,000 USTX staked. The additional revenue is 15% (60% of max), giving a total 90% share of the energy revenue.

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