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Smart-Contract Parameters for Telkes (Updated)
1. Core Emission Parameters (Multi-Stage Halving)
Parameter
                 | Name
                                 l Value
| Notes
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INITIAL_REWARD | INITIAL_REWARD | 50×10^8
150 TKL
DECIMALS
                | DECIMALS
                                    | 8
atomic precision
HALVING INTERVALS
                       | HALVING_EPOCH_BLOCKS[] | [525_600, 1_051_200, 2_102_400]
|1x, 2x, 4x  years
HALVING_REDUCTION_FACTORS | EPOCH_REDUCTION[] | [1, 2, 4]
divide reward by these factors per epoch
              | MAX SUPPLY | 1 000 000 000×10^8
MAX SUPPLY
Cap at 1B TKL
Reward Calculation:
epoch = index of first HALVING_EPOCH_BLOCKS where blockHeight < cumulative
reward = INITIAL REWARD / EPOCH REDUCTION[epoch]
2. Transaction Fees & Tiered Burn Logic
         | Fee Rate (bp) | Burn Rate (bp) | Recipient Pool
Simple Transfer | 10 (0.10%) | 500 (5%) | FEE_POOL_ADDRESS
                                                                 | baseline
Contract Call | 25 (0.25%) | 750 (7.5%) | FEE_POOL_ADDRESS
                                                                covers
execution & gas refund
Contract Deployment | 100 (1.0%) | 1000 (10%) | DEPLOY_POOL_ADDRESS | funds audit &
ecosystem grants
Per-Transaction Logic:
fee = amount × feeRate_bp / 10_000
burnAmt = fee × burnRate_bp / 10_000
poolAmt = fee - burnAmt
_burn(burnAmt)
_transfer(sender, recipient, amount - fee)
transfer(sender, poolAddress, poolAmt)
3. Adaptive Burn Rates
             | Trigger Threshold | New Burn Rate (bp) | Rationale
------|
              | 7-day tx/sec ↑ 50% | +100 bp across all | dampen inflation when
High Volume
load spikes
Low Volume | 7-day tx/sec ↓ 50% | -100 bp across all | encourage activity during
lulls
DAO Proposal Override | on-chain vote passes | custom % | governed change to burn
policy
Burn rate adjustments auto-execute at epoch boundaries based on on-chain oracle of recent
throughput, but any DAO proposal can set a new baseline.
4. Revenue Buy-Back & Burn (Off-Chain)
REVENUE_BURN_BP: 1000 (10%) default, adjustable via DAO.
BUYBACK POOL ADDRESS: receives 90% of funds for staking & grants.
5. Governance & Staking (Unchanged)
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Parameter | Value | Va

- Review these tiers & thresholds.
- Decide on network-load oracle window & epoch breakpoints.
- Integrate on-chain oracles for adaptive burn triggers, or set fixed schedule via DAO. This blueprint serves as the foundation for Telkes chain's inflation control and deflationary mechanisms.