



# **Bumble**Network

*Incentivized. Sustainable. Community-Driven.  
The Token Economy for Social Interaction*

The Bumble Network is a comprehensive social media ecosystem and token economy built as an application layer on the Hive blockchain. It leverages Hive's proven infrastructure of high speed, fee-less transactions, and immutable data storage to host a next-generation platform where content creation, community curation, and social interaction are directly incentivized with a native token, BUMBLE. By introducing a sophisticated dual-token model atop Hive's core assets, Bumble creates a self-sustaining digital economy. This whitepaper details the network's complete technical and economic design, including its tokenomics, reward distribution derived from a dedicated inflation pool, governance, and how it utilizes Hive's foundational systems like Resource Credits and Delegated Proof-of-Stake to deliver a seamless, community-owned social experience.



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## I. Introduction

The Bumble Network is a next-generation social application and token ecosystem built on the Hive blockchain. We operate on a fundamental thesis: the future of decentralized social media is not a single, monolithic chain, but a vibrant ecosystem of specialized applications built upon a shared, sovereign, and high-performance foundation.

Hive provides this ideal foundation. With its Delegated Proof-of-Stake (DPoS) consensus, fee-less transactions via Resource Credits, and immutable content storage, Hive has already solved the critical scalability and usability challenges. Bumble does not fork this technology; we fork the social contract, deploying our innovation at the application layer where user experience and community incentives matter most.

Our mission is to create the most engaging, rewarding, and community-centric social platform in Web3. By building on Hive, we ensure censorship-resistance, user sovereignty over data, and a seamless experience from day one, while our unique token model aligns the success of every contributor with the growth of the entire network.

## II. Core Functionality: The Bumble Experience on Hive

Bumble presents as a full-featured, modern social media front-end (like Hive.blog or PeakD) that interacts directly with the Hive blockchain. Every user action is an on-chain transaction, leveraging Hive's capabilities

### *II.1. Content Lifecycle & Monetization*

**Posting & Curation:** Users create blogs, articles, images, and short-form content, storing it permanently and immutably on the Hive blockchain. The community curates this content through upvotes.

**BUMBLE Rewards Engine:** While Hive's native rewards (HIVE/HBD) are distributed for on-chain activity, Bumble overlays its own BUMBLE token rewards pool. A post can earn both HIVE-based rewards (for base-layer contribution) and BUMBLE-based rewards (for value within the Bumble community specifically).

**Communities & Sub-Bumbles:** Users can create and join themed communities ("Sub-Bumbles") with their own moderators, rules, and featured content, all managed through Hive's native community features.



## ***II.2. Wallet & Token Management (Integrated Hive Keychain) netization***

Bumble integrates seamlessly with the Hive Keychain browser extension and mobile wallets.

The interface provides a unified dashboard showing both Hive-native assets (HIVE, HP) and Bumble-layer assets (BUMBLE tokens, staked BP).

Users can easily power up/down HIVE, transfer tokens, and swap between HIVE and HP, BUMBLE and BUMBLE Power on integrated Hive-Engine DEXs directly from the Bumble UI.

## ***II.3. Enhanced Social Features***

Reputation & Achievements: A built-in system awards non-transferable "Badges" and boosts reputation scores for consistent quality contributions, successful curation, and community stewardship.

Advanced Tipping & "Super Thanks": Beyond simple upvotes, users can send direct, customizable tips in BUMBLE tokens with public comments, powered by Hive's fast, fee-less transfers.

NFT Integration: Users can display Hive-based NFTs (like those from Splinterlands or NFTs created on the chain) on their profile, use them as avatars, or even create and sell simple NFT collectibles tied to their popular content directly through Bumble's interface.

### III. The Bumble Token (BUMBLE): A Multi-Utility Community Asset

The BUMBLE token is the lifeblood of the application-specific economy, issued as a second-layer token on the Hive blockchain (e.g., via the Hive-Engine sidechain or a similar smart token contract).

Asset	Layer	Primary Purpose	Key Utility
HIVE / HP / HBD	Base Layer (Hive Blockchain)	Security, Governance, Base Rewards	Block production, Resource Credits (RC), Hive-wide governance, foundational content rewards.
BUMBLE (Liquid)	Application Layer	Community Currency, Trade	Buying boosts, tipping, trading on DEXs, purchasing community goods.
BUMBLE Power	Application Layer	Community Influence & Benefits	Weight in BUMBLE reward distribution, premium feature access, Bumble-specific governance votes.

Staking BUMBLE tokens as BP is central to the in-app economy. It grants:

- **Curation Amplifier:** A multiplier on the voter's influence when distributing the daily BUMBLE rewards pool. More BP = greater ability to direct BUMBLE to content.
- **Governance Rights:** Exclusive ability to vote on Bumble Improvement Proposals (BIPs) that manage the dApp's parameters: BUMBLE inflation rate, treasury spending, feature prioritization.
- **Access Privileges:** Unlocks premium features such as advanced analytics, custom profile themes, the ability to create "Sub-Bumble" communities, and higher visibility for the user's own content.



## IV. Resource Credits

Bumble users interact with the platform without ever paying a transaction fee because the application operates on the Hive blockchain, which utilizes a Resource Credit (RC) model.

Mechanism: Every user account has an RC balance, which represents its right to broadcast transactions (post, comment, vote, transfer). RCs are not a token; they are a rate-limiting bandwidth derived from the user's vested Hive Power (HP) on the base Hive chain.

Usage & Replenishment: An account's RC pool is not a finite resource. It automatically regenerates at a rate of 20% every 24 hours, refilling to its maximum capacity based on the account's HP stake. This regeneration rate acts as a natural, self-governing throttle. An account that performs many actions in a short burst will temporarily reduce its RC, gently encouraging a sustainable pace of interaction, while a less active user will always have a full or near-full pool ready for use.

Implication for Bumble: This means participation in the Bumble social network - creating content, curating with votes, and transferring BUMBLE tokens - is completely free for users, removing the single greatest barrier to entry for mainstream adoption.

## V. Delegation: Fueling Growth and Participation

Delegation is a core mechanism for fostering network growth and lowering the barrier to entry for new users.

Hive Power Delegation: HP holders on the Hive blockchain can delegate a portion of their staked HP to other users. The delegatee receives the Resource Credits and base-layer voting influence from that HP, enabling them to participate actively without a large upfront capital investment.

BUMBLE Power Delegation: Similarly, within the Bumble application layer, holders of BUMBLE Power (BP) can delegate their staked influence to trusted community members, curators, or developers. This grants the recipient increased weight in the BUMBLE reward distribution and Bumble-specific governance, allowing dedicated contributors to amplify their impact and helping to decentralize influence within the Bumble community.



## **VI. BUMBLE Token Allocation, Supply, Inflation & Emissions**

The BUMBLE token will have a transparent launch and emission schedule managed on the Hive blockchain.

**Initial Supply & Fair Launch:** The genesis supply of BUMBLE will be created and distributed through a combination of:

**Liquidity Pool Seeding:** A portion will be paired with HIVE on a Hive-Engine DEX to establish an initial market.

**Community Airdrop & Rewards:** A significant portion will be distributed to early adopters, existing Hive community members, and content creators who migrate to or support Bumble at launch.

**Ecosystem & Treasury Fund:** A portion will be allocated to a community treasury, governed by BP holders, for future development, grants, and initiatives.

**Inflation & Emissions Schedule:** Following launch, new BUMBLE tokens will be minted according to a predictable, decreasing inflation model.

The annual inflation rate will start at a defined percentage and decrease by a fixed rate each year until it reaches a long-term steady state (e.g., 1.0%).

100% of this inflation funds the BUMBLE Rewards Pool, which is distributed daily to content creators and curators on the platform. This is a key differentiation from Hive's base-layer inflation split.

## **VII. Bumble Reward Distribution: A Dedicated Incentive Engine**

Bumble operates a self-contained reward system for its social layer, funded entirely by BUMBLE token emissions.

**The Bumble Rewards Pool:** 100% of the annual BUMBLE token inflation is allocated to a dedicated rewards pool.



### ***Payout Mechanism***

A user submits a post, initiating a 7-day curation window. During this window, other users can upvote the post. Their voting influence is a hybrid of their Bumble Power (BP). After 7 days, the post's final reward value is calculated from the pool. 50% of the BUMBLE reward is granted to the author. The remaining 50% is distributed proportionally among the curators who provided positive upvotes, with a bonus curve that rewards earlier voters more heavily. Automated Staking (Power-Up): Upon payout, a configurable percentage (e.g., 50%) of the earned BUMBLE is automatically converted to Bumble Power (BP) for both the creator and the curators, promoting long-term holding and network security. The remainder is received as liquid BUMBLE tokens.

## **VIII. Community**

Communities are a topical way to organize and manage the frontend-facing collation and discoverability of user-generated content. They leverage the tag and follow features to sort, manage and thematically organize segments of content. A community is an account that is also set as a category for the content published in it. Upon its creation, a new account is generated and is then granted a modifiable label to display on the frontends. The community account itself may also opt to transact in the same way that any other account; it may post, cast votes, make transfers, and create other accounts.

Once a community is created, it may be labeled as desired and operated by its owner. Users may join communities, submit content to them, manage communities where they are set by the owner as administrators, hide undesirable submissions by muting them, give them descriptions and perform many other interactive actions with the ultimate goal of building an active and cohesive community.

With the majority of the community infrastructure based upon a layered approach and creative utilization of core blockchain features, communities are designed to be both flexible and functional. The naming of communities is not exclusive and multiple communities may have the same or similar names; their base account is set by a bumble-000000 name-number naming convention. This prevents name squatting and allows any user to form a community on any topic. Where numerous similar communities are in competition, the one with the highest rate of user engagement will become the main community on its chosen topic but without disabling or otherwise harming its competition. It is important to note that communities do not generate monetary rewards for their owners and organizers by default; their value is a purely qualitative improvement to the user experience. However, frontends may augment community features with additional revenue generation capabilities



## **IX. Block Production & Consensus: Leveraging Hive's DPoSunity**

Bumble does not operate its own blockchain. All transactions and content are settled on the Hive blockchain, which uses a Delegated Proof-of-Stake (DPoS) consensus mechanism.

Witnesses: HIVE token holders elect top witnesses who are responsible for producing blocks, validating transactions, and securing the network. Block times are 3 seconds.

Security for Bumble: This means the entire Bumble ecosystem - user accounts, content, and BUMBLE token transactions - benefits from the security and decentralization provided by Hive's global network of witnesses and stakeholders.

Governance Separation: Changes to the Hive blockchain protocol are governed by HIVE stakeholders. The Bumble application layer, including BUMBLE tokenomics and dApp features, is governed separately by Bumble Power (BP) holders, as detailed in its own governance system.

## **X. Conclusion: A Synergistic Model for Sustainable Social Economics**

The Bumble Network presents a refined model for decentralized social platforms by cleanly separating infrastructure from application economics. It harnesses the raw performance and security of the Hive blockchain while cultivating a tailored, incentivized social experience through the BUMBLE token. With its dedicated inflation funding, a 50/50 creator-curator reward pool, automated staking mechanisms, and dual-layer governance, Bumble is engineered for sustainable growth and genuine community ownership. It stands as a testament to how specialized, vibrant social economies can flourish on a robust, shared foundational layer, paving the way for the next era of user-centric digital communities.