

## Status

Approved

Authors:

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Since the launch of the Dymension blockchain (chain-id: dymension\_1100-1), transactions have been consuming a significant number of gas units. This is particularly evident for ibc-relayer operators, who spend a significant amount of DYM per day on fees for servicing ibc relayers. Upon investigation, we have concluded that the main issue lies not with the `min_gas_price`

, but with the `auth.TxSizeCostPerByte`

parameter.

We consulted with the Core team and received their confirmation.

Comparison of `auth.TxSizeCostPerByte`

across different chains:

- Dymension (chain-id: dymension\_1100-1): `auth.TxSizeCostPerByte == 100`
- Celestia (chain-id: celestia): `auth.TxSizeCostPerByte == 10`
- Cosmoshub (chain-id: cosmoshub-4): `auth.TxSizeCostPerByte == 10`
- Osmosis (chain-id: osmosis-1): `auth.TxSizeCostPerByte == 20`

Test results:

Testnet proposal to align with Mainnet: [Proposal #7](#)

Before: [TxSizeCostPerByte\(10\) txhash #73976FB](#)

After : [TxSizeCostPerByte\(100\) txhash #9D85D52](#)

Reducing the value of `auth.TxSizeCostPerByte`

will lead to a decrease in the number of gas units consumed per transaction. Consequently, lower gas consumption will result in reduced transaction fees.

If successful, the proposed governance change will set `auth.TxSizeCostPerByte`

to 10 gas units per byte. This adjustment aims to reduce transaction costs, particularly for large transactions such as ibc-transactions.

This proposal has a 24-hour discussion phase before going on-chain.

Thank you to all testnet validators for a help!

## Link(s)

- [Mintscan](#)
- [Dymension | Keplr Dashboard](#)

## Governance votes

The voting period for this proposal as set on genesis is 5 days beginning from the time of deposit. The following items summarize the voting options and what it means for this proposal:

- YES
- NO
- NO WITH VETO - A 'NoWithVeto' vote indicates a proposal either (1) is deemed to be spam, i.e., irrelevant to Dymension, (2) disproportionately infringes on minority interests, or (3) violates or encourages violation of the rules of engagement as currently set out by Dymension governance. If the number of 'NoWithVeto' votes is greater than a third

of total votes, the proposal is rejected and the deposits are burned.

- ABSTAIN - You wish to contribute to quorum but you formally decline to vote either for or against the proposal.