

Distribute rewards

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Summary

The distributeRewards function is used to distribute rewards accrued by node operators over the past 24H. Earned MATICs are included as buffered tokens that will be delegated on the next delegate call.

Each time a user submits, requestWithdraw, or claimTokensFromValidatorToContract, the stMATIC total and the pooled MATIC total are updated on L2 through the polygonal tunnel.

The current implementation of distributedRewards does not include a polygon tunnel call to update the latest pooled MATICs on L2.

Code

<https://github.com/lidofinance/polygon-contracts/blob/main/contracts/StMATIC.sol#L568-L626>

Solution

Add this line of code to call the polygon tunnel.

```
fxStateRootTunnel.sendMessageToChild(abi.encode(totalSupply(), getTotalPooledMatic()));
```