



## 1 Introduction

The Peerplays blockchain has been collecting fees for various operations since its inception on June 6, 2017. There are 52 types of operations available on the blockchain including account operations, tournament operations, dividend operations, etc.

This document reports on the various fees that have been collected on the blockchain since the blockchain's inception through July 2017. Note that these collected fees are subsequently distributed to different stakeholders during maintenance intervals. Furthermore, these fees are distributed according to dynamic parameters that are specified by stakeholders through their elected advisors, by asset issuers, and by the type of account that is paying for the operational fee. To reiterate, the fees reported in this document are merely the fees collected by the blockchain network and which are later distributed to various accounts. These fees are a superset of the fees that are ultimately distributed to the blockchain's reserve pool. In addition, this document does not report on the volume of activities on the blockchain; rather it is focused on the fees collected as a result of the activities. Finally, this document does not report on the subsequent distribution of the collected fees to entities such as the network, witnesses, worker proposals, asset issuers, referrers, nor lifetime member accounts.

Every operation that occurs on the network has an associated fee that may be paid with any asset that is available on the network. The quantities that are reported in this document are all reported in terms of the asset units that were specified for fee payment (e.g. PPY) and are not expressed in terms of any common asset unit.

## 2 Summary

During July 2017, the Peerplays network collected 67 PPY in fees. The distribution of operations contributing towards those PPY fees are shown in Table 1. The top two sources of generated fees were witness creation and account upgrades (e.g. from standard membership to lifetime membership).

*Table 1. The distribution of collected PPY fees across the leading types of operations during 2017-07 (rounded to the nearest integer)*

Operation	Total (PPY)
Witness Create	48%
Account Upgrades	30%
Transfer	11%
Witness Update	7%
Account Create	4%

All-time from June 2017 through July 2017, the Peerplays network collected 1,961 PPY in fees. The distribution of operations contributing towards those PPY fees are shown in Table 2. The top three sources of generated fees were account creation, account upgrades (e.g. from standard membership to lifetime membership), and witness creation.

*Table 2. The distribution of collected PPY fees across the leading types of operations from 2017-06 through 2017-07 (rounded to the nearest integer)*

Operation	Total (PPY)
Account Create	50%
Account Upgrades	24%
Witness Create	23%
Transfer	1%
Witness Update	1%

Additional details may be found in the Appendices. [Appendix A](#) lists the aggregate fees for every operation as a percentage of the total fees collected in each asset. This appendix can be helpful for quickly identifying the distribution of fees across operation types. [Appendix B](#) lists the nominal fees collected for every operation type. This appendix contains the detailed fees from which the percentage values in Appendix A are determined. [Appendix C](#) lists the quantities of transactions and operations by month. [Appendix D](#) lists the fee schedule per operation. [Appendix E](#) lists the blockchain advisors who have the authority to change the fees schedule.

## 3 Acknowledgments

Any possible errors in this document are those of the author alone.



## Appendix A: Fees Collected in Percentage Terms

This appendix reports on the same fees presented in percentage terms of the total fees collected for an asset. This format can be helpful for inspecting the distribution of fees across all operation types.

## Fees Collected During 2017-06

Table 3. Fees collected by blockchain during 2017-06 for the different operation types. The fees are presented in percentage terms of the total fees collected for an asset.

[illegible]

## Fees Collected During 2017-07

Table 4. Fees collected by blockchain during 2017-07 for the different operation types. The fees are presented in percentage terms of the total fees collected for an asset.

[illegible]

[illegible]

## Appendix B: Fees Collected in Nominal Terms

This appendix reports only on operations for which a fee was collected. The values reported are the nominal values for each asset.

### Fees Collected During 2017-06

Table 6. Fees collected by blockchain during 2017-06 for transfer operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	774	8.0

Table 7. Fees collected by blockchain during 2017-06 for account create operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	2270	980.2

Table 8. Fees collected by blockchain during 2017-06 for account update operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	1537	3.5

Table 9. Fees collected by blockchain during 2017-06 for account upgrade operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	89	445.0

Table 10. Fees collected by blockchain during 2017-06 for witness create operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	53	424.0

Table 11. Fees collected by blockchain during 2017-06 for witness update operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	49	24.5

Table 12. Fees collected by blockchain during 2017-06 for proposal create operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	1	0.0

Table 13. Fees collected by blockchain during 2017-06 for proposal update operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	1	0.0

Table 14. Fees collected by blockchain during 2017-06 for committee member create operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	8	8.0

Table 15. Fees collected by blockchain during 2017-06 for vesting balance withdrawal operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	52	0.5

### Fees Collected During 2017-07

Table 16. Fees collected by blockchain during 2017-07 for transfer operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	655	7.1

Table 17. Fees collected by blockchain during 2017-07 for account create operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	421	2.7

Table 18. Fees collected by blockchain during 2017-07 for account update operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	101	0.3

Table 19. Fees collected by blockchain during 2017-07 for account upgrade operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	4	20.0

Table 20. Fees collected by blockchain during 2017-07 for witness create operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	4	32.0

Table 21. Fees collected by blockchain during 2017-07 for witness update operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	9	4.5

Table 22. Fees collected by blockchain during 2017-07 for vesting balance withdrawal operation

Asset ID	Symbol	# Operations	Fee Total
1.3.0	PPY	32	0.3



## Fees Collected All-Time

Table 23. Fees collected by the blockchain from 2017-06 through 2017-07 for transfer operation

Asset ID	Symbol	# Ops	Fee Total
1.3.0	PPY	1,429	15.1

Table 24. Fees collected by the blockchain from 2017-06 through 2017-07 for account create operation

Asset ID	Symbol	# Ops	Fee Total
1.3.0	PPY	2,691	982.9

Table 25. Fees collected by the blockchain from 2017-06 through 2017-07 for account update operation

Asset ID	Symbol	# Ops	Fee Total
1.3.0	PPY	1,638	3.8

Table 26. Fees collected by the blockchain from 2017-06 through 2017-07 for witness create operation

Asset ID	Symbol	# Ops	Fee Total
1.3.0	PPY	57	456.0

Table 27. Fees collected by the blockchain from 2017-06 through 2017-07 for witness update operation

Asset ID	Symbol	# Ops	Fee Total
1.3.0	PPY	58	29.0

Table 28. Fees collected by the blockchain from 2017-06 through 2017-07 for proposal create operation

Asset ID	Symbol	# Ops	Fee Total
1.3.0	PPY	1	0.0

Table 29. Fees collected by the blockchain from 2017-06 through 2017-07 for proposal update operation

Asset ID	Symbol	# Ops	Fee Total
1.3.0	PPY	1	0.0

Table 30. Fees collected by the blockchain from 2017-06 through 2017-07 for committee member create operation

Asset ID	Symbol	# Ops	Fee Total
1.3.0	PPY	8	8.0

Table 31. Fees collected by the blockchain from 2017-06 through 2017-07 for vesting balance withdraw operation

Asset ID	Symbol	# Ops	Fee Total
1.3.0	PPY	84	0.8



## Appendix C: Quantity of Transactions and Operations

This appendix reports on the quantity of transactions and operations on the blockchain.

### Monthly Quantities

Table 32. Number of transactions and operations on a monthly basis

Month	# Transactions	# Operations
2017-06	5,937	5,938
2017-07	1,361	1,361



## Appendix D: Blockchain Fee Schedule

This appendix reports on fees<sup>1</sup> of the blockchain as of 2017-08-17. These fees can be configured by members of the Peerplays Advisory Committee who can be found in Appendix E: Blockchain Advisors.

Operation Type	Base Fee [PPY]	Conditional Fees
Transfer	0.010	0.010 PPY / kB
Limit Order Create	0.001	
Limit Order Cancel	0.000	
Call Order Update	Infinite	
Fill Order	0.000	
Account Create	0.000	Basic fee: 0.005 PPY Premium Fee: 2.5 PPY 0.01 PPY / kB
Account Update	0.001	0.010 PPY / kB
Account Whitelisting	0.010	
Account Upgrade	0.000	Lifetime membership fee: 5 PPY
Account Transfer	2.000	
Asset Create	0.000	Infinite
Asset Update	1.000	0.001 PPY / kB
Asset Update BitAsset	Infinite	
Asset Update Feed Producers	Infinite	
Asset Issue	0.010	0.010 PPY / kB
Asset Reserve	0.010	
Asset Fund Fee Pool	0.010	
Asset Settle	Infinite	
Asset Global Settle	Infinite	
Asset Publish Feed	Infinite	
Witness Create	8.000	
Witness Update	0.500	
Proposal Create	0.010	0.010 PPY / kB
Proposal Update	0.010	0.010 PPY / kB
Proposal Delete	0.000	
Withdraw Permission Create	0.030	
Withdraw Permission Update	0.010	
Withdraw Permission Claim	0.010	0.010 PPY / kB
Withdraw Permission Delete	0.000	
Committee Member Create	1.000	
Committee Member Update	0.500	

Operation Type	Base Fee [PPY]	Conditional Fees
Com. Mem. Update Global Parameters	0.010	
Vesting Balance Create	1.000	
Vesting Balance Withdraw	0.010	
Worker Create	Infinite	
Custom	0.010	0.010 PPY / kB
Assert	0.010	
Balance Claim	0.000	
Override Transfer	0.200	0.010 PPY / kB
Transfer to Blind	0.010	0.010 PPY / kB
Blind Transfer	0.010	0.010 PPY / kB
Transfer from Blind	0.010	
Asset Settle Cancel	0.000	
Asset Claim Fees	0.030	
FBA Distribution	0.000	
Tournament Create	0.010	
Tournament Join	0.050	
Game Move	0.000	
Asset Update Dividend	1.000	
Asset Dividend Distribution	0	Distribution Base Fee: 0 PPY Distribution fee per holder: 0 PPY
Tournament Payout	Undefined	
Tournament Leave	Undefined	

1 Certain operations currently have fees that, although finite, are large enough to be effectively infinite and are consequently listed as “Infinite”.





## Appendix E: Blockchain Advisors

*This appendix reports on advisors to the blockchain, who were elected by Peerplays stakeholders, as of 2017-08-17. The advisors have the authority to change the fees (see Appendix D: Blockchain Fee Schedule) of the blockchain with a majority vote.*

Advisor Name
bhuz
c007
data-advisor
heartsonfire52
init0
init1
init2
init3
init4
init5
init6
pfunk-witness
roelandp
royal-flush
wonder-woman

