

This sheet will help you determine when your coins will stake and how many coins you've accumulated so far on inputs that haven't staked yet.
You use this sheet to figure out if it's better to combine smaller inputs of coins or just wait for them to fully stake.
When you combine coins that haven't staked, you will lose what has been accumulated so far.
NOTE: AVG DAYS LEFT AND AVG STAKE DAY ARE FOR ESTIMATION PURPOSES ONLY. It's random chance when you get your staking reward.
User-fillable cells are filled in yellow.
Please copy this worksheet to your own Google account to edit.
How to use this sheet:
Clear columns A and B so you can fill in your own values
Cell K2 should be filled with the current stake weight spent. This can be found by doing the following:
* Go to http://www.presstab.pw/phpexplorer/EMB/index.php and look at the Stake Weight Spent graph.
* Mouse over the red line at the right side for the most recent average of stake weight spent.
* Input that number into cell K2
Cells in columns A and B are filled in manually by the user based on their coin inputs.
* Turn on coin inputs in your wallet if you haven't already by going to Settings/Options/Display and check "Display coin control features"
* To see your coin inputs:
- Click on Send
- Under Coin Control Features, click the button labeled "Inputs..."
- Click "List Mode" radial button to see your inputs. You can click on the Date field to sort by date
Input each coin amount and date in columns A and B
Once your data has been entered, you can see how much "unrealized" staking has already accrued on each input. This, along with the expected number of days before staking, will help you determine whether it's worth combining inputs to stake faster.
Google sheet by jt42. Ember donation link: eBrKEwHXYP6TpsbgPRISgENXc556fY4sUT
v1.9 2017-10-16: 1) Renamed Reward % to Annual stake rate for clarity and consistency in naming with daily stake rate. 2) Daily stake rate now reflects the quadratic easing calculation for future stake rate reductions. 3) Annual stake rate and Stake accum now updates based on the daily stake rate if it changes. 4) A list of annual stake rate percentages over time added, along with a stake rate graph. 5) Formula added to script editor in google sheet for quadratic stake rate calculation. 6) In the "Today's Date" field, you can enter a date in the future to see what the daily stake rate is for that date and how it affects your stake accum.
v1.8 2017-10-08: 1) Removed stake weight bug calculations due to updated wallet 2) Added more coin input rows
v1.7 2017-09-21: 1) Fixed formulas to calculate staking from the coin's start date instead of the coin's maturity date. 2) Removed "Start staking" column now that it's unnecessary. Thank you to jimmyjames for reporting this inaccuracy.
v1.6 2017-09-19: 1) Fixed error in Reward % when Stake Accum is blank. 2) Don't show negative number in Stake accum or Stake weight accum columns 3) Added staking chart tab so that people can see how many coins it takes to get a reward in a certain amount of days (on average) and days until stake bug 4) Staking chart tab also allows you to type a number of coins and see how many days it will take without needing to type a start date.
v1.5 2017-09-19: 1) Cells are labeled with notes to clarify purpose of columns 2) Dates now include times so that the stake weight bug can be identified with more precision 3) Stake accum now properly shows nothing when stake weight accum is between 38.81 and 77.62 mil, or between 116.43 to 155.24 mil to reflect the stake weight bug. 4) Stake accum now properly shows the correct reduced reward when stake weight accum is between 77.26 mil to 116.43 mil. I verified it with a blockchain transaction that got a reduced award. 5) New Reward % column to show reduced reward when applicable 6) Stake weight accum bug cheat sheet added for clarity
v1.4 2017-09-13: Added Stake Weight Accum column and note to explain the column
v1.3 2017-09-06: Fixed sum total cells, added URL for stake weight spent graph, and updated today's date from =TODAY() to =NOW() so it will auto update (thanks to kay-bear)
v1.2 2017-09-03: Updated Today's Date to be editable (for those in future time zones from me), will now affect calculations properly
v1.1 2017-09-03: fixed days left to stake and avg stake day
v1.0 2017-09-03: initial version

Coins [1]	Start date [2]	Days staked	Avg Days left	Avg stake day	Stake accum [6]	Stake weight accum* [7]	Annual stake rate [8]				
270,652,280	10-Nov 17:23	-1.0	3.0	12-Nov 18:10	#NAME?	#NAME?	#NAME?	Stake weight spent:	550,269,805	http://www.presstab.pw/phpexplorer/EMB/index.php	
278,102,878	13-Nov 15:00	-3.9	5.9	15-Nov 14:29	#NAME?	#NAME?	#NAME?	Today's date:	9-Nov 17:23	*** use this to find the stake weight spent red line, then input amount to the left	
								Daily stake rate:	#NAME?		
								Annual stake rate:			
								7200%	1-Nov-2017		
								720%	4-Nov-2017		
								72%	1-Nov-2018		
								7.20%	1-Nov-2019		
								NOTE: Annual stake rate reduces using the quadratic easing method, which means the rate starts slow and ends slow, reaching its maximum velocity in the middle. This occurs for each reduction step.			
548,755,158					#NAME?						

NOTE: AVG DAYS LEFT AND AVG STAKE DAY ARE ONLY ESTIMATES. It's random chance when you get your staking reward.
COPY TO YOUR GOOGLE DRIVE TO EDIT - don't ask for edit permissions

Average time to stake the following amounts of coins based on stake weight spent on other sheet

Days to stake	Coins	Enter coins to check: 5,000,000				
1	550,269,805	Days to stake: 110.1				
2	275,134,903	** days to stake is an estimation - in practice, the randomness involved has a wide range of outcomes and the actual number of days to stake could be very different than the estimation				
3	183,423,268					
4	137,567,451					
5	110,053,961					
6	91,711,634					
7	78,609,972					
8	68,783,726					
9	61,141,089					
10	55,026,981					
11	50,024,528					
12	45,855,817					
13	42,328,447					
14	39,304,986					
15	36,684,654					
16	34,391,863					
17	32,368,812					
18	30,570,545					
19	28,961,569					
20	27,513,490					
21	26,203,324					
22	25,012,264					
23	23,924,774					
24	22,927,909					
25	22,010,792					
26	21,164,223					
27	20,380,363					
28	19,652,493					
29	18,974,821					
30	18,342,327					
31	17,750,639					
32	17,195,931					
33	16,674,843					
34	16,184,406					
35	15,721,994					
36	15,285,272					
37	14,872,157					
38	14,480,784					
39	14,109,482					
40	13,756,745					
41	13,421,215					
42	13,101,662					
43	12,796,972					
44	12,506,132					
45	12,228,218					
46	11,962,387					
47	11,707,868					
48	11,463,954					
49	11,229,996					
50	11,005,396					
51	10,789,604					
52	10,582,112					
53	10,382,449					

54	10,190,182						
55	10,004,906						
56	9,826,247						
57	9,653,856						
58	9,487,410						
59	9,326,607						
60	9,171,163						

[1] Number of coins in coin input

[2] Input the "Date" field from your coin control window. Since the wallet shows it in UTC, you can convert it to your local time when typing it here

[3] Days staked is from start date to now. It includes the 10 hours of maturity time.

[4] $(\text{StakeWeightSpent} / \text{Coins}) - \text{DaysStaked}$

Average number of days before a stake payout could occur.

If this number is negative, you have gone past the average, but can still get your full reward until you reach the stake bug amount.

[5] $\text{StartDate} + \text{DaysStaked} + \text{AvgDaysLeft}$

Average date time when stake payout could occur

[6] $\text{Coins} * \text{Daily stake rate} * \text{Days staked}$

Amount of coins accumulated from staking (but not yet paid out)

NOTE: This number reflects current stake rate, but the actual accumulation will depend on the actual stake rate when it is rewarded.

[7] $\text{Coins} * \text{Days Staked}$

Amount of stake weight accumulated

[8] Annual Stake Rate

Awarded at time of reward reception, regardless of staking duration