

**List of useful information and links:**

GreenCoin Homepage: www.grcoin.com

Owning GreenCoin currently comes with the responsibility of managing your own “wallet,” which is a software client you download and install that gives you the ability to interact with the GreenCoin network.

Wallet instructions; Download and Install (Windows):

- 1) Download the wallet at: <http://www.grcoin.com/greencoin.zip>
- 2) Extract the files somewhere
- 3) Go to that directory and double-click the exe file (say yes to permissions)
 - a. Be sure to run the program as Administrator
 - b. Say yes to network and operating permissions
- 4) The client should open and indicate it is syncing with the network
- 5) Troubleshooting (see below)

Wallet instructions; Operation:

- 1) To receive coins:
 - a. Click on the “Receive” button (top of client, below the File menu)
 - b. There is already an unlabeled receiving address automatically installed with the client, but you can make as many new addresses as you like. One suggestion is to make a new address for each entity you receive from. For example, if you want to make a unique address for solar production:
 - i. While in the Receive window, Click “New Address” at the bottom of the client
 - ii. Type something useful into the label, e.g., “Solar Production”
 - iii. Click OK
 - c. To send an address to payer, right-click on the address you want to use in the list, and select “Copy Address”
 - d. Paste the address in an email or chat to the person who will be paying you. It will look some like this: Gb7F3AaRgVoy5r57BV6yvABbScJKHg46g8
 - i. This is a public address. No security around this address is required
 - ii. The address always begins with a G but the rest of address is randomly generated and will be different than the example above.
 - e. You can test your wallet by going to one of our “faucets” – a website set up that distributes a small amount of GreenCoins for free to users so they can hold a few to play with, for example: <http://coinok.pw/faucet/gre/>
 - i. Make a new address (Step B above) if desired
 - ii. Copy the address and paste it into the field in the above website
 - iii. Enter the “Captcha” code (assists website owner from giving coins to bots)
 - iv. Watch the free coins roll in!
- 2) Sending Coins
 - a. Click on the “Send” button near the top of the client
 - b. Paste in an address (long string of characters beginning with “G”)
 - c. Add a label if you want the address stored in your Address list
 - d. Hit send (it will ask for a password here if your wallet is encrypted)
 - e. Also, you can add the address to your list before sending:
 - i. Click on “Addresses” button near the top of the client
 - ii. At the bottom of the client, click “New Address”



- iii. Enter a useful label (e.g., "Coins to Mom")
- iv. Paste in the address (long string of characters beginning with "G")
- v. Hit OK (enter password here if wallet is encrypted)
- vi. You will see the new label/address pair show up in the list. To send coins right-click on the new address and select "Send Coins." This will send you to the above "Send" screen with the label and address fields prefilled.

3) Wallet Security

- a. The wallet comes with an important security feature that let's you encrypt the file. To do so, in the file menu select 'Settings -> Encrypt Wallet.' Be sure to select a password you will remember. If you forget the password any coins you have will not be recoverable.
- b. The client stores your coins in a local file located in your hidden [YOU]\AppData folder. To access it, type "explorer %APPDATA%\greencoin" (omit the quotes) into Windows Search (by hitting the Windows Icon in the lower left-hand side of your screen). It is a good idea to back-up this file from time to time and securely store the back-up media. This file (plus the password, if encrypted) is all that is needed to rebuild your wallet elsewhere should you want to move your coins "manually" or if your computer crashes and no data can be recovered (or your computer is lost/stolen, etc).

Exchanges:

- 1) AllCoin: https://www.allcoin.com/trade/GRE_BTC
- 2) Kingcoiny: <https://www.kingcoiny.com/index.php?page=trade&market=GRE>
- 3) Coinader: <https://www.coinader.com/?cur=GRE&ccur=BTC>

Note: Exchanges allow you to exchange, that is buy and sell GreenCoins (GRE), with Bitcoin (BTC). Bitcoin can be traded for \$USD at other exchange websites. For example, coinbase.com is one such US-based site. As of this writing, AllCoin is the most active GreenCoin exchange. In terms of converting GreenCoin awards into US Dollars, one must determine the market price for GreenCoin. For example, on 6/21/2014 there were 1,360,000 GreenCoins awarded for 89.3 kWh generated (43.0 kg CO₂). AllCoin showed a minimum price on that day of 0.00000021 BTC per GreenCoin (known as 21 "satoshis," where a satoshi is a single, indivisible and smallest unit of Bitcoin, or 1×10^{-8} BTC). When the 1.36M distributed GreenCoins is multiplied by the 21 satoshi exchange price and the USD price of Bitcoin at the time (\$601.44), it equals \$171.44 distributed that day, or \$3.85 and \$8.00 per kWh and kg CO₂, respectively.

To utilize an exchange, for example, AllCoin.com:

- 1) Sign up for an account. You will need a valid email address.
- 2) To send GreenCoins to the site, in the upper right click the "Account" drop-down menu and select "My Coins." Locate the "GRE" in the ledger in the listings.
- 3) Click "Deposit" in the GRE listing. Copy the address (long string beginning with "G") into a new address in your client.
- 4) Send your coins via Step 2 above (note, to buy GRE, send Bitcoins to the trading site the exact same way).
- 5) To trade:
 - a. In the GRE ledger, select "Trade" and then "GRE/BTC"
 - b. If selling GRE, enter a selling price (in BTC) and the amount of GRE's to sell. The website will calculate your totals for you. Be sure to take a look at the existing bids in the Bid Table. If you enter a price at or below the current bid, at least some of your transaction will execute immediately. If you enter an amount above the current bid price, you may



or may not ever execute the trade, as you are waiting for buyers to “come up” to your price.

- c. To buy GRE’s, simply execute the steps in 5b above, except in the “Buy GRE” box. You will need to have BTC in your account to be able to enter and execute a buy order.
- 6) To withdraw: Click on “Account -> My Coins” and click on the coin ledger (e.g., BTC or GRE) that you would like to withdraw. Paste your receiving address into the box indicated (for GreenCoins, a long string beginning with “G” that you copied from your Client), and the amount you wish to withdraw. Executing a withdrawal may require you to confirm a link in the email you signed up with.
- 7) Note that this site essentially offers a way to store your GreenCoins online for free (that is, they use an online wallet). These exchanges and other websites with the exception of www.grcoin.com are not operated by GreenCoin personnel and you must use them at your own risk. We encourage users to utilize the personal, downloaded wallet client. Stories of online websites getting hacked in the Bitcoin community (e.g., “MtGox”) are unfortunately somewhat common. However, configuring 2-factor authentication helps greatly with security and it is recommended that it be utilized if you are storing coins for long periods of time on exchanges.

Additional Help:

GreenCoin founders are working tirelessly to make the ecosystem more user-friendly. For example, a fully functional website is slated for release in mid to late July. In the meantime, we understand the use of the GreenCoin ecosystem at this time would describe you as an “early adopter.” I personally congratulate you for your efforts. One of the rewards of such is the potential upside of being in a system that is so relatively young. You are bound to run into a question or two which needs additional help. Please consider hitting the official GreenCoin release forum or IRC chat and someone can get back to you quite quickly. Also, in Seattle WA, where I am located, I hold a weekly GreenCoin club Meet-Up every Saturday at 3 PM that I am in town (sometimes the date/time moves to accommodate schedules). Links to these resources are below:

- Meet-Up: <http://www.meetup.com/Seattle-Solar-Energy-and-GreenCoin-Club/>
- IRC Chat: <http://webchat.freenode.net/> (enter a nickname and join the Channel “#greencoin” – do not include the quotes)
- Technical Forum: <https://bitcointalk.org/index.php?topic=636548.0>

All sorts of useful links are continuously posted here including exchanges, faucets, block explorers, games, and more (for example, this forum page includes all the links in this document).

I personally commend you on your ability to join the carbon-neutral quest we are embarking on. As the ecosystem progresses we look forward to rolling out new, easier to use features and of course capturing the immense value a highly-adopted free-market carbon trading system will create.

Warm Regards,

The GreenCoin Team