



CITYCASHCOIN

FOR CITIES, BUY CITIES

CityCashCoin
Whitepaper v3.4
4/19/2018

Payments of any utility or service are sometimes a hassle and rarely are instant. It takes a lot of time and effort and lots of intermediaries are involved that make the process long and cumbersome. These issues could be alleviated if cities would adopt blockchain technology for use.

CityCashCoin (CITY) will help cities become smarter by providing tokens that are protected by the blockchain and powered by Ethereum smart contracts.

With the power of CityCashCoin, users can pay virtually instantly for services allowed by the cities without the need of any physical cash, bank drafts, or credit cards.

Using the CityCashCoin platform, users can pay for city services like water bills, fees, taxes, contracts, licensing, permits, parking tickets, speeding tickets and anything else that the city permits for, and at a discounted rate where applicable.

Not only can you pay for services but CityCashCoin will also allow users to purchase city or municipality owned properties. Being backed by real estate purchase power is the real key to the future of our coin. SWIFT wire transactions can take days to process and arrive, where this would make CityCashCoin an instant payment settlement option.

CityCashCoin will not be like every other cryptocurrency platform. It will operate in cities which accept it as a utility token and will run alongside the local fiat currencies.

CityCashCoin is dedicated to making the cities of the world smarter and helping provide seamless instant payment settlement solutions for the benefit of its users and patrons.

CityCashCoin leverages blockchain technology, which allows information flow in a peer-to-peer network and maintains a public ledger which is shared publicly so that anyone can view it. This also means that there is no central server and everything is decentralized. Information is stored in a chain-like configuration known as 'blocks' which

can only be added to but cannot be changed, providing the highest level of transparency.

CityCashCoin tokens are ERC20 compliant which provides the coin the proven and stable infrastructure of the Ethereum network. These tokens can be traded freely from one holder to the other via Ethereum cryptocurrency wallets. These tokens and token contracts regarded as smart contracts due to the immutable nature of the blockchain on which the token it is based on.

Current market and payment methods

Online payment trend continue to increase, but when it comes to paying bills there is a stark generational discrepancy, according to new benchmark data from ACI Worldwide and Aite Group, “How Americans Pay Their Bills,”. Bill payments in 2016 were a record-setting (\$3.9 trillion) in US. There are numerous payment methods with which wide range of transactions are incurred, because of which households have to re-prioritize how and when they pay their bills.

Principal findings of the study include:

- Biller, bank or third-party website serve approximately 8.2 billion bills or 56 percent of all bills.
- Between 2010 and 2016 check payment have declined 20 percent, while bills paid via ACH increased by 10 percent, and credit card payments have doubled to 15 percent.
- 46 percent of credit card bills were paid online which outpaced other biller categories; compared to 36 percent average of bills paid online across all biller categories.
- 72% of online bill payments were made on a billers’ website, which grew 18 percent since 2010.
- Only 32 percent were recurring bills and the rest were one-time payments.

Mobile payments are on the rise thanks to the availability of Near Field Communication (NFC) in smartphones and payment applications like Zelle, Paypal, or Venmo. Friendlier interfaces in apps and acceptance of MCX readers or NFC powered POS terminals in shops are encouraging consumers to use their mobile phones for more convenient payment systems. Following are the estimated statistics for the same:

- By 2020 in-store mobile payments are expected to reach \$503 billion, with 80% compound annual growth rate (CAGR) between 2015 and 2020.
- In the U.S. in-store mobile payment users are predicted to reach 150 million by 2020 representing 56% of the population at that time.
- Revenue from mobile point-of-sale is expected to climb to almost \$50 billion in 2021 around the world, which was just \$6.6 billion in 2016.
- Thanks to the rise of smartphones and tablets in emerging countries, the mobile payment technologies are expected to rise at a CAGR of 20.5% between 2016 and 2024. It was valued at \$338.72 billion in 2015; projection for the same in 2024 is \$1,773.17 billion around the globe.
- There were 232 million smartphones in use in 2016 in US; out of which 16.5% of those, i.e. 55.88 million were used for contactless payment in the same year.
- 50 percent of all the American retailers that were surveyed are planning to incorporate near field communication (NFC) technology, which will enable contactless payments, into their stores by the end of 2016 or had already done so.

Another survey reveals that a high percentage of shoppers utilized their smartphones for shopping in holidays and also have their favorite retailers apps installed on their devices. Big brands like Google, Samsung, and Apple are capitalizing on this by providing their own payment services enabling their customers to use smartphones to make payments. It is evident from the above information that customers are now adopting to idea of electronic payment systems. But there are still a lot of issues which needs to be addressed in making a transparent and trouble free utility payment systems.

Problems and challenges in the existing market

Though electronic payments are on the rise but there are still plenty of challenges that are associated with their use. Following are the obstacles and hindrances in the digital payments domain as listed below:

- **Involvement of intermediaries:** Currently intermediaries play a very important role in the online payment system. There are plenty of touch points in an online payment system. These can be:
 - Issuer (the financial institution that issues the card)
 - Card brand (such as Visa, Mastercard, etc.)
 - Cardholder
 - Merchant (who is receiving the payment)
 - Acquirer (merchant's bank)
 - Payment processor (such as Paypal, Square)
 - Payment gateways (technology linking cardholder's financial institution with the merchant)

Without them, no payment can proceed and the system will cease to run. The problem with them is that they add up to the payment process and sometimes even delay the payments.

Venmo and other like payment methods can sometimes be subjected to chargebacks and other reversals, whether the reason is right or wrong. Anyone using these apps know that sometimes the recipient of these payments can have them reversed by the payment processor for reasons out of their own control.

- **Security concerns:** Security is the biggest obstacles to the use of mobile payment, with as many as 70 percent of the U.S. population stating it as a concern.

Even 47 percent of polled cybersecurity professionals doubt the security of mobile payments. Also only 23 percent are confident about the security of the personal information used in regard to mobile payments. Cash is agreed to be the most secure option of payment by 89 percent, but is preferred for use by only 9%. Public Wi-Fi is the greatest security vulnerability considering mobile payments with 26 percent, closely followed by stolen or lost devices with 21 percent. Online fraud is on the rise ever since its inception. According to a recent study, identity theft amounts to 71 percent, phishing 66 percent and account theft 63 percent are the most common fraud types causing concern. Identity theft is taking a piece of any other person's information and using it for personal gain. Credit cards are the most targeted medium here, as there is no need of much information to carry out a 'card not present' transaction.

- **Payment Failures:** Whether you are paying through internet banking, credit/debit card, or any other payment method, the fear of payment failure always looms overhead. If any of the parties involved in the payment process is down because of a technical glitch the payment won't proceed and it can even result in amount being debited from the account of customer without being received by the other party. And receiving the refund for the same takes another 7-10 days as one has to contact the website they transacted with and just wait for the amount to reflect in their bank accounts.

How CityCashCoin (CITY) solves these problems?

CityCashCoin is the next generation utility token which can help solve many existing problems that users are now facing. Utilizing blockchain technology make it much more secure than existing payment platforms.

- **Getting rid of Intermediaries:** As CityCashCoin is based on blockchain platform it gets rid of multiple intermediaries of a transaction. Payment is made on a peer

to peer basis, meaning sender and receiver are connected directly without the involvement of any other party. Getting rid of all the intermediaries also helps in a way that makes the process quicker and more convenient for the sender as well as the receiver. Intermediaries burden the system with all of the processing fees and charges involved. Leveraging the blockchain makes this process cheaper and faster.

- **Secure and transparent platform:** Blockchain technology, and its distributed ledger, is based on peer to peer networking. The entire platform becomes much more secure because it is encrypted with public and private keys. On the blockchain, all information is encrypted and kept on public distributed ledgers, which can be accessed by all users that have the transaction id information. This makes the whole chain of transactions transparent and anyone will be able to see what takes place within the network if needed.
- Information is stored in 'blocks' on to previous data which can only be added and can't be modified. This makes modification of data already on the network impossible. Once the information has been signed and transmitted onto the network, it cannot be erased. Immutable per the "smart contract" that transaction was based on.
- Double spending is an issue with traditional payment systems. Sometimes a user gets charged multiple times of the same amount after which users have to go through a lengthy process for its recovery or modification. CityCashCoin incorporates P2P verification and public distributed ledger technology which makes double spending obsolete.
- **100% percent uptime:** As the network doesn't depend on a central hub to work, even if a node is down it doesn't impact the performance of the whole network. Every node acts as a server which means that the system will be up 100 percent of the time. That also means that there will be no instances of payment failure unless it is sent to the wrong address.

- **Instant payments:** CityCashCoin makes one click payments for water bill, city taxes, utility bills, etc. possible. Users won't be required to follow the traditional tedious methods for payment and can just use CityCashCoin tokens for payments of services that are authorized by the cities.
- Token holders can also use the token for purchasing city or municipality owned properties, where applicable. It will help cities build a platform and payment infrastructure which is easy to use, faster, reliable, and more secure.
- Two or three factor authentication will be utilized by CityCashCoin to provide an additional layer of security to its users on the already secure network of blockchain.

CityCashCoin are utility tokens to be used by everyone. They will enable a new payment system, and way to conduct transactions while keeping the municipalities accountable. These tokens can and will be used as a currency within cities that accept it and used for day to day transactions to conduct business with the city.

Payments for city services, fees, fines, taxes, contracts, licensing, permits, parking tickets, speeding tickets, can now be settled instantly without waiting for any further verification of the payment method.

Our token holders will be able to purchase city or municipal owned properties.

In order to promote the usage of CityCashCoin, users would get discounts and reduced fees, where applicable and allowed.

Providing a digital medium to make transactions will generate a more reliable and systematic source for collecting and distributing revenue. This will speed up the

transactional process yet heightens the security by monitoring each and every transaction. CityCashCoin can potentially revolutionize the outdated channels for trades and transactions. This will give a transparent infrastructure for all settlements of real property and services.

CityCashCoin will prove to be the one-stop solution to all local and municipal payments and settlements. With the help of a digital platform, CityCashCoin will be capable of eliminating the redundant middlemen involved in the process and solve cost and extraneous charge issues for both the municipalities and the payees.

The State of Arizona has just passed a bill to accept cryptocurrency to be accepted as a legal means to collect taxes. This highlights the credibility that digital currencies have developed into.

The Ethereum infrastructure which is incorporated in this technology will help to create a fast and stable network where the users can exchange the CityCashCoin directly into their Ethereum ERC-20 based wallets. Ethereum is an open-source Blockchain platform that runs smart contracts and provides a cryptocurrency token of its own. The smart contract is a mechanism to ensure the transactions made through the platform and service has not been tampered with.

By creating an autonomous system for transactions, we can accept automated payments, charge for services and keep a record of all the pending and upcoming transactions. Maintaining a common source for available city services will ease the process and eliminate unnecessary elements in the system. The public ledger system shows all transactions to the users and stakeholders. This means that CityCashCoin is in no way owning or storing your data, transactions or personal data.

Why Blockchain technology?

Blockchain networking has brought a new dawn to technology that go beyond online transactions and data exchanges. Blockchain networks have the following advantages over the conventional systems:

Transparency: The primary reason for the success of blockchain is that this technology is open-source. This means it is modifiable by users and developers according to their needs. The data cannot be altered hence this ensures the validity of the data. In a case of attempt in alteration of data the same can be cross-checked using the several nodes participating in the network.

Permanence: Due to the decentralized storage of data amongst the numerous nodes of network, the data is permanent in nature as long as the whole network is up and running. The blockchain acts as a public ledger distributed among the members which is accessible at any time.

Reduced Transaction Costs: With the help of peer to peer and business to business networking, transactions can be completed without interference of the third party. With the subtraction of intermediaries, payer and payee interact directly with each other. This reduces costs for everyone involved in the transaction.

Faster Transaction Settlements: Traditional payment entities such as banks or government offices often take days to complete transactions. The hindrances in these settlements are the long protocols followed in the process, limitations due to working hours and limited working days in the week. The blockchain services are active 24 hours a day and seven days a week. This means the taxpayers can make the transactions whenever they are available to do so.

Decentralized: The absence of a centralized data hub is what makes Blockchain exciting. Instead of investing in a huge Data hub, blockchain allows individual

transactions to have their individual proof of validity. The encrypted network also maintains user privacy and ensures a secure channel for transactions.

User-controlled networks: The whole blockchain network provides encouragement to invested parties due to the uncontrolled aspect of blockchain. Instead of having a third party to interfere, users and developers self-govern the settlements.

CITY as a utility token

The CityCashCoin acts as a public token to provide assistance in making all legal transactions. Token holders of CityCashCoin will be able to purchase city or municipality owned properties and pay for city services, fees, taxes, contracts, licensing, permits, parking tickets, speeding tickets, and anything else the city accepts payment for, and at a discounted rate wherever applicable.

The functional advantages of these tokens will be the capability of users to make secure online payments. The online portal will prevent taxpayers from the hassles involved in maintaining and making payments for government services and taxes.

With the help of CityCashCoin, the states can create an organized system that notifies the citizens for periodic payments and provide timely returns. The platform aims at giving an error free utility token to the taxpayers with additional benefits for their punctuality and their contribution to the state.

- CityCashCoin tokens are created to provide access to our platform functions and its infrastructure. The access to this platform cannot be obtained by any other means.
- CityCashCoin token holders will have the right to control and govern the platform development. The control would involve decisions like voting for the programming of new modules and features.

- The users can obtain revenues/profits only in terms of tokens deposit or spending from other platform users. The exchange will bring new opportunities to all token holders.
- The revenue in such cases requires actions from a token holder rather than just holding the token.
- The advancement and growth in the value of these tokens will beneficially impact the cities involved economically.

Unlike company tokens, the Utility token value is not derived from any corporate element. They are completely dependent on the user activity inside the platform. Traditional securities represent real shares of the company and often don't have any additional utility capacity.

CityCashCoin is based on the Ethereum technology, it is transferable, and will be traded on multiple cryptocurrency exchanges.

This enables several other features that allow users to earn value or spend it on services that are in the ecosystem. The tokens can be earned by doing active work (real work and actions), or passive work (e.g. data sharing).

CityCashCoin can also be used as an incentive to users for discounted rates and faster and safer transactions. The redistribution of the CityCashCoin tokens in and out of the ecosystem and increased value will build a stronger foundation for the platform.



The cities and municipalities will be benefit by the systematic and self-organized infrastructure for these payments.

We have tested the transfer of the tokens via online mobile applications like the TRUST wallet app that is available on the Apple Store, and the payments are settled within minutes. This makes the use of the coin easy and secure to use.

Each payment will be secured by at least 2 factor authentication for each transaction or payment. Implementing Google Authenticator or Authy App provide maximum security. Two-factor authentication protect data even when there is a breach of login credentials' security.

Another aspect of the system, the users of the app will be getting timely discounts and bounty structures to promote and use the platform. By easing up the transaction process, we focus on expanding our user base and open a window of opportunities for our stakeholders. By conducting trades and collecting revenue through the tokens, the users can receive value through the CityCashCoin.

The aim of CityCashCoin is to provide a faster, reliable, and simple channel to make settlements of real property and services. We aim at adding value to services that would otherwise already be rendered via traditional, outdated channels.

The decentralized system will be functioned and controlled by the public where CityCashCoin will merely act as a service provider, and all legal aspects will be covered by the corresponding municipalities.

CITY Competitors and their shortcomings

Competitors for CityCashCoin can include Bitcoin as it is the only cryptocurrency that got a nod for payment of taxes in Arizona or indirectly other Ethereum or Omni based tokens such as EOS, TRON, Tether, VeChain, ICON and others but all of them have the following shortcomings:

- Cryptocurrencies are legal in USA, but they are not fully accepted yet as payment methods for services like fines, taxes, tickets, fees, permits, and all the other related payments which are made to cities and municipalities. We are aiming to be the first to do it and have it widely accepted and used.

- The State of Arizona passing a bill for acceptance of Bitcoin as a payment method for taxes is evidence of governments willing to accept cryptocurrency for such payments. Wyoming is passing similar measures, as well as other states.
- The State of Wyoming is also pushing legislation to allow utility tokens to be exempted from being classified as a security, paving the way for legalization of cryptocurrency as an asset class and general public use. It would also exclude developers or sellers of the token from the applicable securities laws, provided they meet certain conditions, namely that it isn't being offered as an investment.
- The City of Berkeley, California is also turning to Cryptocurrency to help house the homeless and for other inside the city uses, aka B-Coin or Berkeley coin, so that cryptocurrency would be legal tender in the city. Cities around the world are now warming up to the idea that Cryptocurrency will change the way business is conducted.
- Norway, Sweden, and Denmark are now moving towards becoming cashless countries and using electronic money only as their currencies. Not only is it inherently harder to counterfeit, it cuts down on logistical problems like the printing and distribution of the worn out and obsolete paper money they are printed on.
- CityCashCoin is different in this aspect as they will not only be used for payments and services, but also the purchase of Real Estate and properties owned by the cities and municipalities. CityCashCoin will work alongside the governments to make a payment network utilizing our technology..
- **No discount offered:** There are plenty of tokens that users can purchase but after an ICO, token costs rise exponentially. The use of such tokens is very

limited and the costs are high. There are no benefits in using these tokens for making payments.

CityCashCoin will provide these tokens for payment of city services with discounts at the discretion of each municipalities. This will help in acceptance of CityCashCoin tokens locally.

CityCashCoin implementation plan

- CityCashCoin targets the transactions in public interests where users can get a portal for making or receiving payments and pay for public utilities and taxes. The system will be promoted to the public through different platforms either online or offline. Once the system gets approved as a municipal tokenized system the method will be more acceptable among the masses.
- With official approval of the system, CityCashCoin will be welcomed by all users who will then be rewarded for joining and referring CityCashCoin and usage to their friends and family. The users will get discounts on making payments with CityCashCoin. This will create a regular source of payments and build client relations. Regular payment of taxes will generate constant income for government and eliminate redundant middlemen who often slow down the process.
- Occasional offers and discounts on making transactions will be a source of affiliated networking that will bring business to both municipalities and service providers. Introducing the system in public transactions will also prompt more users to switch to this digital platform to save time and resources.
- We will also develop public relations and generate audience through Bounty Programs. The Bounty Programs can be made for talking in forums, signature avatars, tweets, articles, videos, users' footer lines in BitcoinTalk and Reddit, and

more. All relevant exposure will increase our audience base and attract towards the digitized and secure payment portal.

Future of CityCashCoin

CityCashCoin is a part of the rapidly-growing blockchain ecosystem, making constant improvements to develop innovative solutions for users of our CityCashCoin token. Our aim of making its adoption easier and more efficient will be realized.

Products which are currently in development and are intended to be available in the future.

#1.CITY Mobile payment Functionality

It will include the following everyday features:

- Trading tokens
- Direct payment for taxes, city services, permits, parking tickets and payments of such nature. Also payments for many more services will be added as they get approval from the cities where CityCashCoin will be operational
- Exchange and conversion between Crypto assets
- Automatic payments facility for the convenience of the customer
- Detailed history of every transaction (including sorting features such as with payment categories and other filters)
- Purchasing distress land from city or municipalities

Additional launch services will include:

- Convenient Photo-payments facility in which you can simply take a picture of the invoice and send to our team and it will be taken care of (additional charges might be incurred for this)
- QR payments for CityCashCoin infrastructure users

#2.Expanding to multiple cities of the world

CityCashCoin wants to ensure that the general public won't face the hassles they face today for payments of such services. This is why we intend to expand to many cities and countries, as well as where they will work with the governments to provide a seamless and interactive solution for payment of services. All the services provided will be authorized by the local municipalities and city governments. Services provided at discounted rates will motivate the population to use the CityCashCoin tokens.

Roadmap for token deployment

CITY will have a limited supply of 1 Billion tokens which will be deployed by the following means:

- **Back CityCashCoin token with Ethereum:** There will not be a company or corporation that will own CityCashCoin. There will be ongoing development from developers and the community to maintain CityCashCoin. It will be a true cryptocurrency and utility token that will not be subjected to the rules and politics of an ICO, crowdfunding, or private sale. CityCashCoin will be available on public exchanges for anyone to purchase and use at their own discretion. It will be spendable like Bitcoin and governed by the people. Nothing will control it other than the Ethereum ecosystem that it is based upon. Value will be based on many factors, including adoption, usage, utility, and how much real world use it receives.
- **Exchanges:** Tokens will be available on multiple exchanges. This will allow anyone publicly to purchase the token and let them utilize services authorized by the cities that accept CityCashCoin for payment. Users holding the token will be

able to sell it and gain from the rise in the value of the token because of the trust shown by the community in the token and acceptance of its utility, providing the necessary liquidity to the token.

- **Cryptocurrency Altcoin/ERC20 ATMs:** The deployment of Cryptocurrency ATM machines locally around each city and municipality will enable the users of the token to purchase more tokens for use. Sending CityCashCoin to their mobile wallets from the ATM machines will enable easier access to spend tokens in the CityCashCoin ecosystem.
- **CityCashCoin wallets:** Using already verified and vetted mobile wallets enable us to quickly adapt and use our token. One example that we use is the Trust Ethereum wallet. Using this app, we are able to send and receive CityCashCoin amongst our token holders.

Trust – Ethereum Wallet

Apple Appstore:

<https://itunes.apple.com/us/app/trust-ethereum-wallet/id1288339409?mt=8>

Google Play Appstore:

<https://play.google.com/store/apps/details?id=com.wallet.crypto.trustapp&hl=en>

Conclusion

CityCashCoin wants to provide a high tech solution to a low tech problem. Utilizing Blockchain technology will help remove the current market and technological limits. Through its ideology for users and the governments involved, it aims to grow its token in utilization and value. The mobile seamless payments for services will also act as an easy to use trading platform, where the users can trade their tokens without having to

use banks. CityCashCoin, through its next-generation platform design, is bringing the future of Blockchain and payment services closer together.

The CityCashCoin ERC-20 token is live and can be viewed at:

<https://etherscan.io/token/0xb89656b36f8bc6df78a1f38bf80a3d32bf706272>

Please make sure the link you click is the URL you see in your browser address bar to prevent visiting a spoofed or phished site.

