

ImpactPPA

Decentralize | Thrive

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Introduction

INTRODUCTION

Energy is the key to improving quality of life, yet approximately 1.2 billion people across the globe lack access to clean, reliable electricity. Distributed, renewable energy solutions empower underserved and impoverished communities—both literally and figuratively—while they reduce the use of fossil fuels and mitigate the effects of climate change. Many economists agree that in the coming years great wealth creation will emerge from these 1.2 billion people who will ascend to middle class status. But ImpactPPA believes that this can only happen if they are given access to energy.

Using the transformative power of the blockchain, ImpactPPA offers a unique solution to today's energy problems—and tomorrow's as well. The Company is creating a decentralized energy platform that disrupts and reimagines the energy funding, distribution and payment process. ImpactPPA is establishing an "end to end" solution for energy generation from funding, construction through to payment and ultimately, revenue recognition. This model breaks the funding bottleneck by decentralizing Power Purchase Agreements (PPAs), using Smart Contracts, thus eliminating the layers of intermediaries between the funding and consumption of energy.

ImpactPPA's innovative approach brings together capital and consumers in a way that is direct, responsive, and expedient. The process is:

- *Fully scalable.* The smallest village, a single entrepreneur, or a government utility company—projects of any size can be accommodated by ImpactPPA's global platform and the funding pool behind it.
- *Open and egalitarian.* Communities and proxies access the network through a

“SmartPPA” whereby anyone, anywhere may submit a project to the platform.

- *Versatile.* The service architecture ImpactPPA has developed is designed to grow and adapt not just to increasing demand, but to as yet unforeseen developments in technology as well.
- *Social Impact.* By creating a payment platform upon which other applications can build, ImpactPPA has the potential to build economies, reconfigure livelihoods, and promote inclusive and equitable economic activity.

While the global market for renewables is immense and largely untapped, with billions of potential consumers who are unconnected and unbanked, ImpactPPA’s scope reaches beyond the energy market. Ultimately the Company is designed to move into and provide a decentralized global platform for all types of social good: communication, healthcare, education, emergency response, disaster relief, water purification, refrigeration, and more. In short, the Company is creating a payment rail upon which any number of services can be layered. But it all starts with electricity and the essential components of ImpactPPA’s architecture.

1. The MPQ Token. Built on the Ethereum platform, ImpactPPA will sell its MPQ Token for the funding of projects. The MPQ Token, a security token, will be designed to provide investors access to the global revenue streams generated by the sale of electricity and assets.

2. The SmartPPA. Using ImpactPPA’s Smart Contract, the SmartPPA will connect projects with capital and be managed with the transparency and trust that can be effectively provided by the blockchain. This open network allows ImpactPPA to rapidly scale technology by connecting projects in need with the necessary funding to move forward through deployment.

3. The Smart Meter. All energy generated within a SmartPPA will be managed through the deployment of Smart Meters, which will accurately monitor the entire process from energy generation and consumer usage through to payment. The Smart Meter also provides a valuable feedback loop: it creates a transparent transaction on the blockchain from which we can collect data about consumers’ habits in order to optimize their interactions with the network.

4. The GEN Credit. Using their mobile devices and local currency, consumers will purchase GEN Credits to pay for the generated power or services, in a “pay-as-you-go” system, much like the way they “pre-pay” for their minutes or data from the local telecom.

5. The GEN Pool. All net revenues from PPAs implemented by the Company will be credited towards a “GEN Pool.” On a quarterly basis and as long as the GEN Pool has a value of at least \$100,000 USD, ImpactPPA will through the use of a smart contract,

distribute a minimum of 15% of the GEN Pool on a pro rata basis to MPQ Token holders. In addition, the Company intends to establish a repurchase program for buying MPQ Tokens in exchanges and markets. The remaining net revenues will be used as a pool of capital from which to fund future projects.

6. Impact Equilibrium. As ImpactPPA continues to deploy more projects the company will generate revenue that will be credited to the GEN Pool. Once the GEN Pool is large enough, it will allow the ImpactPPA platform to reach a state of equilibrium in which no additional sales of MPQ Tokens are needed. This state of self-sustainment will be known as "Impact Equilibrium".

As these parts work in harmony, they build a valuable ecosystem for social good, created by mindful individuals that is responsive to the needs of energy consumers worldwide and to the desires of our investors. The ImpactPPA platform can then serve its purpose of accelerating the deployment of clean, renewable energy and the transition away from fossil fuels, enabling communities through self-determination to rise out of poverty and move forward in the global economy.

In its initial phase, ImpactPPA will execute on its existing PPAs, contracts, and letters of intent for the deployment of renewable energy projects around the world. Moving forward, the Company will seek out partnerships to expand its reach into the developing world and accelerate the deployment of its clean energy micro-grid technologies.

ImpactPPA's management team consists of energy experts with decades of experience together providing renewable energy to countries all over the world. Members of the Company's Advisory Board have advised 3 U.S. presidents and have been instrumental in the launching of a major crypto currency. Its software development team has experience in the development of Solidity-based applications and has created tools and mobile apps that have scaled to millions of concurrent users.

The need for this solution is clear, the concept for deployment is well defined, and the team is in place to execute on the vision. ImpactPPA will become the distributed, clean energy platform for a global marketplace, adding value for its users and token holders, while providing a financing and payment platform for whatever the future holds.



2. Problem Summary

2. PROBLEM SUMMARY

A paradigm shift is under way in the developing world, where billions of people still live without access to electricity. The cumbersome process of providing electricity access through grid extension alone is becoming obsolete as new business models and technologies enable the development of off-grid markets. Markets for both mini-grids and stand-alone systems are evolving rapidly.
—2017 Global Status Report¹

2.1 Alternative Energy Solutions Need Alternative Funding Solutions

The traditional infrastructure impedes development

In the past decades, cell phone technology has connected billions of people in the global web of communication and e-commerce, and it has done so by bypassing the traditional infrastructures that previously dominated the market. The cost of extending any physical telecommunication infrastructure to remote areas was clearly prohibitive, so the industry used emergent technology to solve the problem, the mobile device.

The same problem faces the energy industry, but even more limitations apply. The large centralized power stations that produce electricity and distribute it to consumers along a vast grid of power lines have served us well for 150 years. However, unlike cell phones, energy is a commodity that is subject not just to cost issues, but efficiency

¹Source: http://www.ren21.net/wp-content/uploads/2017/06/GSR2017_Highlights_FINAL.pdf

and environmental concerns as well. Distributed energy generation (DEG) solves the problems of access, adaptability and power loss by generating power right where it is used. The advent of solar and wind technology has allowed clean stand-alone, off-grid installations to supply power to consumers without relying on fossil fuels. Small-scale generation can adapt quickly to market changes and improvements in equipment. And removing the need to purchase costly diesel and kerosene puts money in the pockets of billions of people, driving rapid economic growth and wealth creation.

2.1.1 The Legacy System for Energy Project Funding

The financing systems for new power projects are as unwieldy, inflexible and inefficient as the physical systems. At ImpactPPA, we believe the time has come to apply the same decentralized model to the purchase of power and the implementation of power-generating projects. We are designing an end-to-end solution for energy generation, payment, and revenue recognition that will empower the approximately 1.2 billion people who still lack electricity access, grow their economies, and create value for token purchasers.

Currently, companies providing DEG products and those seeking to purchase such products come together by means of large, bureaucratic external aid and funding agencies. Power Purchase Agreements for the developing world are negotiated through such NGOs as the World Bank, USAID's PowerAfrica project, European Investment Bank and others working through existing government-owned infrastructures. Evaluation of projects by these bureaucratic clearing houses proceeds slowly, and even when a project is approved and loans are secured, investors must be found before the project can be initiated.

2.1.2 Disrupting the system

ImpactPPA is designed to bring the global energy funding process into the 21st century. The company's innovative platform will decentralize PPAs and eliminate layers of intermediaries between funding and consumption of energy. Using Smart Contracts and a token-based, stake-weighted marketplace, ImpactPPA disrupts and reconfigures the current energy funding paradigm. Just as the DEG projects themselves are scalable and versatile, the ImpactPPA funding model provide governments, utility companies, municipalities, corporations, small businesses, villages and individuals with timely and direct access to the financing needed for clean renewable energy. Additionally, ImpactPPA topples the colonial system by empowering those who require

energy and connecting them directly with those who fund the projects. Decisions on funding are taken out of the hands of the few at the top and instead distributed to the greater stake-holding community. For the first time, both the recipients of aid and the community that provides that aid will have a voice in the process.

ImpactPPA's purview extends well beyond the financing of projects. Once the Company's stakeholders approve a project, ImpactPPA identifies the appropriate DEG product, arranges for installation and maintenance, and, most importantly, establishes a payment rail designed to insure that the projects will produce the needed revenue for an attractive return on its investment.

The greatest immediate opportunity for ImpactPPA is in markets where consumers have little or no access to electricity, where electrical power is inconsistent, or where the cost of electricity is high. The population in these markets is vast and ImpactPPA's decentralized energy platform has the potential to transform the lives of millions by providing access to affordable renewable energy.

The delivery of tested hybrid renewable generation products to identified markets is only the beginning of a much larger enterprise. ImpactPPA will serve as a decentralized bank, a crowd-funded financial hub that promotes social good. ImpactPPA represents a new way of doing business, a new financing and payment paradigm for e-commerce of all kinds.



3. ImpactPPA's Innovation

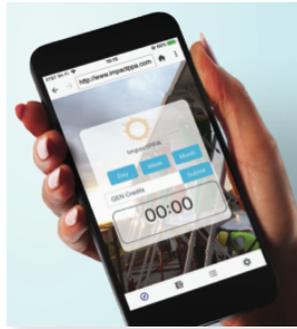
3. The Operating System for Social Good

ImpactPPA sees energy as the engine for social good and greater economic justice. All services—from healthcare to education to agriculture to ISP and data—thrive when energy is available for the simplest of needs. If we agree that energy is the foundation of how societies grow and flourish then we need to think of energy in a different way.

It can be thought of as: energy is the “Operating System” and all other services are the applications. ImpactPPA can be seen as the energy provider or Windows™ of social good, while all other applications: clean water, health care, education, might be seen as Word™ or Excel™.

This simple concept becomes a source of great revenue generation and will greatly accelerate the growth of societies and economies in the developing world. The “clean water” company now can access a source of energy, reducing it’s cost and improving efficiency. The healthcare provider can now come into a village or community without hauling along energy generation devices to provide services. The list of opportunities is endless and self-replicating: the greater the access to affordable energy, the more applications for it people will find. Not coincidentally, social good translates into economic good for the MPQ holders who invest in the future of the world.

3.1 Pay-As-You-Go—A Payment Rail into Every Community

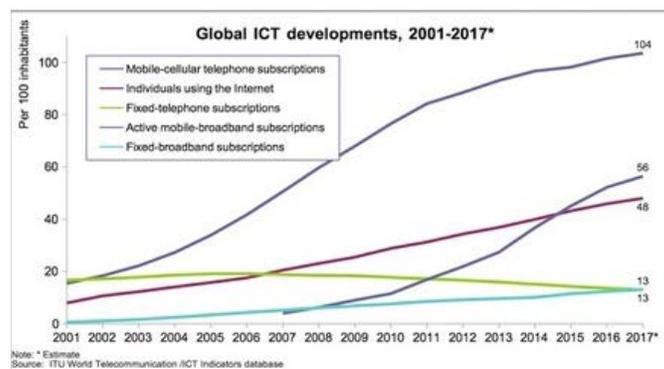


GEN Credit Mobile Application

Much of the developing world is unbanked and unconnected but they do have mobile phones. It has been reported that in 2017, mobile phone penetration hit 98.7% of the population in the developing nations of the world.² Mobile payments are now ubiquitous. Approximately 70% of the transactions in East Africa are being handled on the M-Pesa platform. But these payments only extend to current goods and services and not to electricity. ImpactPPA will deploy micro-grid renewable energy solutions and connect them to its pay-as-you-go technology, the GEN Credit. A known and familiar method of transacting will now be available to acquire basic electrical services to power lights, run fans for cooling, enable safer cooking . . . a dramatic improvement in the quality of life for billions of people. It will also allow easy charging of all those mobile phones being used.

ImpactPPA is currently testing its mobile application in India and in the United States. The app in its current MVP state can be accessed over the blockchain and GEN Credits can be given set values enabling the flow of electricity through a variety of Smart Meters.

In order to most efficiently scale the adoption of the Gen Credit with the population that will be using them, ImpactPPA may partner with existing Telco's in the various regions of operation. These companies are already providing access to a network that can enable the GEN Credit technology. ImpactPPA envisions that a small transaction fee would be paid to a Telco for access to the Network.



²Source: https://www.theregister.co.uk/2017/08/03/itu_facts_and_figures_2017/

3.1.1 The SmartPPA

The SmartPPA is a key component of the system. It allows anyone, anywhere, access to the network in which a proposal for a project of any size can be submitted. The SmartPPA specifies the raw energy requirements of the applicant—whether it is an individual business owner who wants reliable energy to keep a factory running or a nation seeking to electrify whole communities.

Upon submission to the network, ImpactPPA connects that applicant with the necessary funding for the project. That funding comes from the purchase of MPQ Tokens by socially- conscious individuals who wish to make a difference in the world.

The technology solutions required for a specific SmartPPA are outsourced to the most qualified provider, and the needed energy generation equipment is delivered and installed, either by the supplier or by a third- party engineering, procurement and construction (EPC) entity.

3.2 The System Architecture

Once the project is approved, ImpactPPA will move forward with the project deployment using local labor and/or a high quality EPC (Engineering, Procurement, Construction) as the installer. All projects will employ a local partner to manage and maintain the system and make sure that the process from energy generation through to payment runs smoothly and responsibly. Additional network effects can be deployed at this stage of the process allowing local entrepreneurs access to MPQ and GEN Credits for services that will enhance the value of the system.

Once installed a typical micro-grid in an off-grid setting will have an energy generation device (a current source) connected to batteries which then push power to a transmission and distribution system (T&D.) In many cases the T&D already exists and ImpactPPA is replacing a fossil fuel driven generator, usually in some sort of disrepair and invariably expensive to operate. According to a study published by University of Johannesburg typical diesel and gas-powered generators range in price for generation from between \$0.30 to \$0.60 cents per kWh as opposed to solar at \$0.17³ In cases where T&D is required the EPC will run the needed lines and the cost will be embedded in the price of the installation.



³Source: www.mdpi.com/1996-1073/11/3/687/pdf-vor

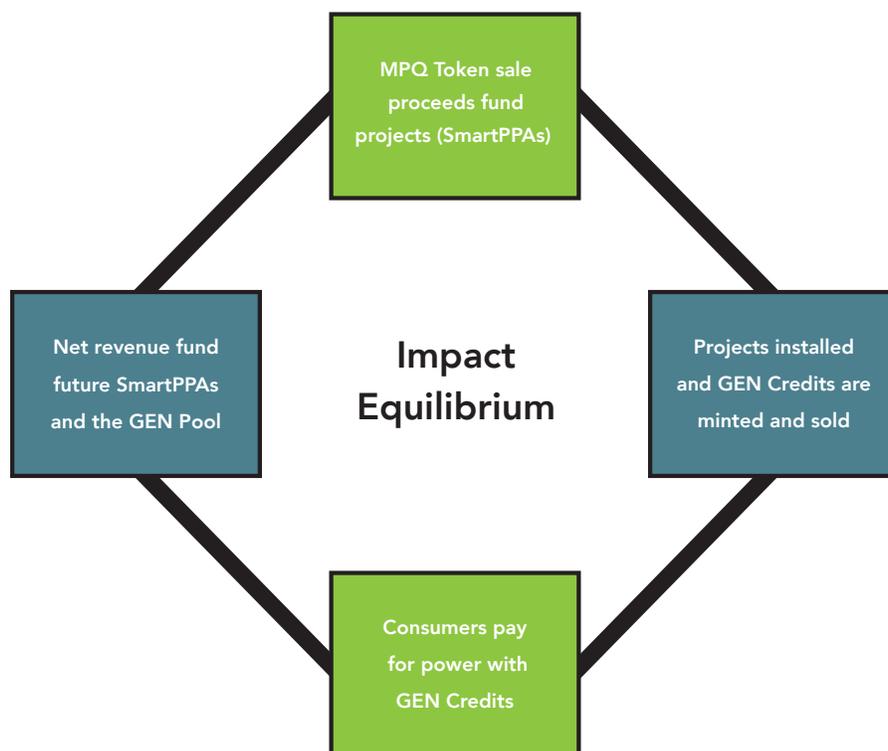
Power will flow from the current source to homes, businesses, hospitals, schools, government facilities, etc., which are all connected to Smart Meters. The Smart Meter measures the usage of energy and stores the data in local memory. The data is then uploaded to the blockchain and a "history" of the users' consumption is recorded. The Smart Meter has the ability to alert users when they are about to exceed their GEN Credit balance and a need to replenish the account. If the account is depleted, the Smart Meter will defeat the flow of electricity until the users' GEN Credit balance is sufficient. The consumer of the power accesses the Smart Meter and data on the blockchain to make a payment from his or her mobile device.

The Smart Meter connects to the internet through whatever means are available—GSM, WiFi or a mesh network creating a local ISP. The cost of the Smart Meter is approximately \$200 USD and will be amortized in the per kWh price paid by the user.

3.3 Impact Equilibrium

ImpactPPA's core value security token, the MPQ Token, is sold to purchasers and will be used to fund the enterprises and SmartPPAs that the Company has determined to be valid projects that meet the requirements for a green light. The GEN Credit acts as the digital currency for purchase and sale of energy generated from renewable sources by consumers.

This model has been designed to establish what we call "Impact Equilibrium." A portion of revenues generated from the established projects are reinvested into ImpactPPA to fund subsequent SmartPPAs



Impact Equilibrium creates an ecosystem for social good with an evergreen pool of funding from which to expand and continue to install products that meet the needs of the developing nations of the world.

3.4 Technological Change Leads to Cultural Change

The scalable SmartPPA allows access to renewable systems of any size for the generation of electrical energy at the site of consumption. This primary focus on energy systems to improve the quality of life forms the core of ImpactPPA's present business model.

Access to electricity transforms lives. Clean, reliable electricity generation can enable communication and mobile banking by recharging cell phones, improve health by allowing vaccines and perishable foods to be refrigerated, enhance safety by lighting the darkness, and stimulate young minds by giving them something as simple as a light by which to read at night or as sophisticated as internet-enabled devices to access the world of information that those in wealthier nations take for granted.

Renewables improve both the financial and physical health of communities. A 2015 report produced by the United Nations Environment Programme (UNEP) offers a concise and dramatic statement of the cost in money, lives, and environmental degradation of the developing world's dependence on kerosene for cooking and lighting:

Poor households are buying lighting at the equivalent of USD 100 per kilowatt-hour, more than a hundred times the amount people in rich countries pay. . . . Kerosene is not just expensive; it is also dangerous: stoves and lamps can catch fire. Indoor fumes cause 600,000 preventable deaths a year in Africa alone. Moreover, traditional means of lighting are harmful for the environment and contribute to climate change. UNEP estimates that the burning of fossil fuels for the purposes of lighting currently accounts for 90 million tons of CO₂ annually. Additionally it is estimated that 270,000 tonnes of black carbon are emitted annually from kerosene lamps.

—Developing Effective Off-Grid Lighting Policy⁴

3.5 Types of Projects

While access to electricity will remain a fundamental part of the quality of life improvements envisioned by ImpactPPA, additional initiatives for social good can be easily accommodated by the same platform.

ImpactPPA's easy-to-access scalable global funding platform for social empowerment can, in the future, be used to fund any project of any size.

⁴Source: <http://www.enlighten-initiative.org/portals/0/documents/Resources/publications/OFG-publication-may-BDef.pdf>

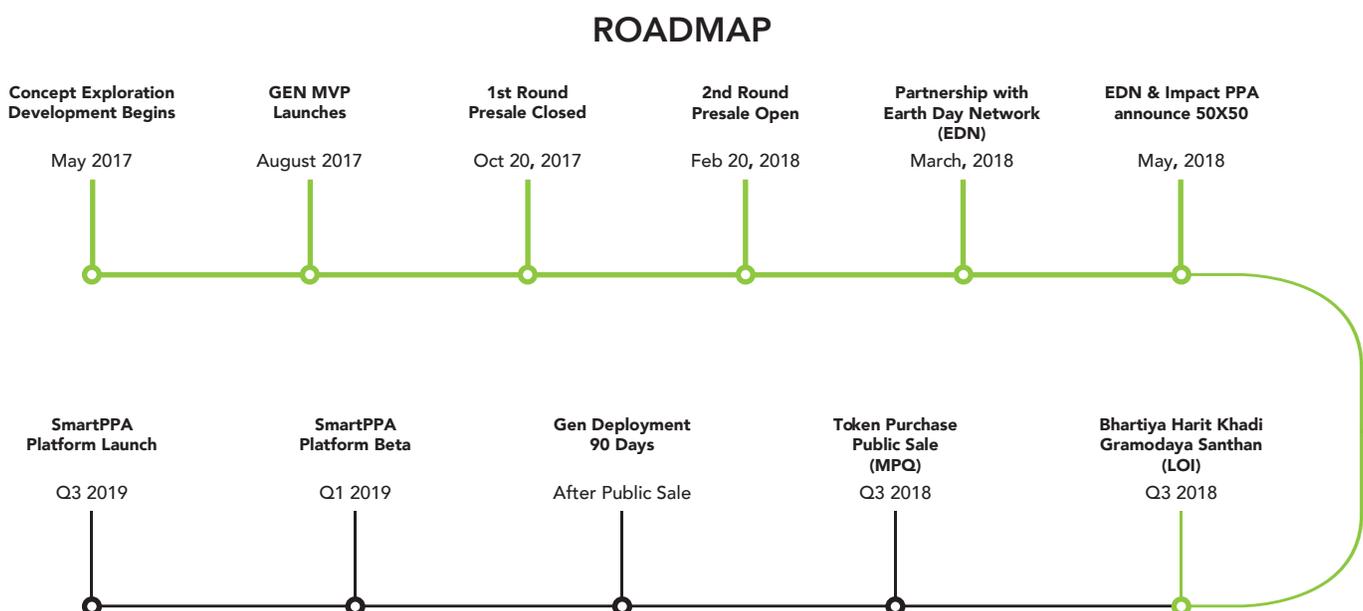
Such projects might include:

- Local water purification and sanitation systems
- Water pumping stations for consumption or irrigation
- Facilities for maternal, neonatal, and pediatric medicine
- Drops or food storage
- Health clinics to offer vaccines for malaria, polio, HIV
- Interventions to address malnutrition

Renewable energy is only the beginning. ImpactPPA aims to be a major player in impact investing to fund global initiatives of all sorts that will aid underserved communities.

3.6 Evolution of the Platform

In its initial iteration, ImpactPPA acts as a facilitator and project manager, evaluating SmartPPAs and identifying providers. As ImpactPPA goes forward, the platform is designed to become more autonomous and decentralized.



3.7 Competitive Analysis

There are other companies in the energy space using the blockchain for their solutions. These are fine companies with good ideas, however, none of them appear to be focused on the emerging markets as ImpactPPA is, nor do we see any of the companies in this space offering an end-to-end solution. ImpactPPA believes that its success will be greatly enhanced by being the first to market leader in the emerging markets that we have chosen, management with decades of experience and relationships within these markets and a proven and tested technology for both generation and blockchain delivery of renewable energy. The chart below shows the key players within the energy space as compared to ImpactPPA.

	ImpactPPA	PowerLedger	WePower	Grid+	Greeneum
Service	End to end energy generation solution	Peer-to-peer	Financing and Green energy trading	Energy Retail	Peer-to-peer
Value Prop	Finance the installation of renewable energy projects allowing end users to pre-pay for energy with transaction managed on the blockchain	Marketplace for renewable energy. Allow people who have solar panels installed to sell excess energy to their neighbors via Spark and PWR tokens	WePower enables renewable energy producers to raise capital by issuing their own energy tokens that represent future energy production at a below market cost to purchaser	Eliminate 50% of fees charged by energy retailers by leveraging the blockchain and creating efficiencies ie. Variable cost, bad debt, marketing \$\$	Provide a global marketplace for trading green energy and green assets
Geographic	Global - focus on Emerging Markets	AUS/Developed Countries	Spain/Estonia/Lithuania/Australia	Only in US and non-regulated energy states – plan to expand into Europe later	Global
Token Model	MPQ Token is the value token which is purchased in the TGE and will be used to finance renewable energy projects around the world. The GEN Credit is the cryptocurrency that interfaces with the network, allowing users to pre-pay for power on their mobile device.	Two Token model - POWR token is purchased in TGE and facilitates access to the trading platform. POWR tokens are required to generate Sparkz. Sparkz are a local market level token and are priced for the exchange market they are deployed in, e.g. In Australia 1 Sparkz = 1 cent AUD. They allow for frictionless transacting throughout the FuseBox applications.	Single token - WPR token is what energy producers issue to finance their projects. They do this by auctioning future energy that will be produced at below market rates to consumers. Consumers that hold WPR tokens allows token holders access to early auction of renewable energy to purchase energy at a cheaper price.	The BOLT token will be treated by Grid+ as a stable-coin, redeemable by Grid+ customers for \$1 worth of energy from Grid+ and backed by USD deposits. The GRID token will allow Grid+ customers to purchase electricity from Grid+ at wholesale price.	GREEN Token You can use GREEN Tokens exclusively to purchase products from the marketplace, contribute to sustainable solutions, or even purchase Greeneum Carbon Certificates and reduce your carbon footprint. It's completely up to you.



4. Token Design and Mechanics

4. TOKEN DESIGN AND MECHANICS

Smart Contracts govern the model for funding and cyclical revenue- generation that subverts the unwieldy and inexpedient funding structures of the past. ImpactPPA will sell its MPQ Security Token as a means of funding projects in the global pipeline that the Company has established. As deployments begin these renewable energy assets will begin generating revenue. Holders of the MPQ Token will participate in the pro-rata share of revenue streams that are generated from the sale of electricity and assets. All net revenues from PPAs implemented by the Company will be credited towards a “GEN Pool.” On a quarterly basis and as long as the GEN Pool has a value of at least \$100,000 USD, ImpactPPA will through the use of a smart contract, distribute a minimum of 15% of the GEN Pool on a pro rata basis to MPQ Token holders. In addition, the Company intends to establish a repurchase program for buying MPQ Tokens in exchanges and markets. The system is designed for transparency and value creation which results is an ecosystem for social good, created by mindful individuals and responsive to the needs of energy consumers worldwide.

4.1 Impact Token (MPQ)

The MPQ Token provides the purchaser with certain rights and attributes governed by a Smart Contract. These rights include the ability to participate in the revenue being generated by the sale of electricity in the global marketplace. As defined above, this revenue creates the GEN Pool from which all dividends and value is derived. All dividends are paid in ETH on a quarterly basis per a smart contract and deposited to in the MPQ holder’s wallet. A portion of the GEN Pool will be used to purchase MPQ Tokens from the

public markets/exchanges via a smart contract. The Company expects that this feature of “market making” will significantly and rapidly increase the value of the MPQ Token. In addition to the sale of electricity, ImpactPPA has the opportunity to sell its revenue generating assets to buyers looking for long-term cash flow. By example, if an ImpactPPA projects, under terms of a PPA is generating revenue for 30 years, that revenue stream may be sold to a buyer on a discounted cash flow basis. (This is a very common practice in the renewable energy sector) ImpactPPA will then take a portion of the sale of an asset and under the sale terms of the GEN Pool provide additional revenue to the MPQ holder. This potential “windfall” will also be used to purchase tokens from the exchange, which the Company expects will further drive the value of the MPQ Token.

Token Architecture

- 4.2 The design of the ImpactPPA tokens is being led by Symbol Network. Symbol is a leader in this new token architecture space with its CEO, David Sabo, and his team of PhD. economists and crypto currency experts. The concept of token architecture as opposed to “tokenomics” is relatively new in the crypto space and is an exhaustive process, which takes into account all manner of token interaction and gamification of potential token dynamic scenarios. The work being done by Symbol will lead to an MPQ and GEN Credit ecosystem that will provide maximum value for the investors, token holders and users.

GEN Credit (GEN)

- 4.3 The GEN Credit is the digital currency that is exchanged by end users, buyers, or proxies for the energy created by the renewable energy systems delivered to fulfill the SmartPPAs. It is used to insure delivery of energy, manage storage devices, create interconnected data networks, and enable new economic models for the millions upon millions of people who will be positively impacted by the access to power. Each SmartPPA has its own GEN Credits, minted to correspond to the specific energy need outlined in the agreement.

With the GEN Credits, end users purchase power or other services tied to the SmartPPA in a pay-as-you-go model. The GEN Credit runs on a variety of devices—mobile phones, swipe cards, fobs and more. Payment in local fiat is converted into the appropriate amount of GEN Credits on a Smart Card or by proxies.

Participation Opportunities

- 4.4 Those who want to make an impact on the world with their resources will be able to participate in ImpactPPA in a variety of ways as the Company evolves.

Sponsorship and Mentorship

4.4.1 In the future, there will be programs of Mentorship and Sponsorship that the MPQ Token holder may take advantage of at his or her option. Sponsors identify a new project and bring a SmartPPA into the system, while Mentors see a project already in the system and promote it to others within the community. The Mentorship and Sponsorship details are targeted to be available on the Company's website at the time of the Token Sale launch.

ImpactPPA's focus will be to place projects in emerging countries and work with local entrepreneurs. Individuals may access the platform and promote the use of the GEN Credit by facilitating new installations, the convenient sale and or trading of the GEN Credit, the expansion of usage and adoption of the energy through the installation and maintenance of the smart meters and many more yet to be discovered uses by creative individuals.

Bounty

4.4.2 Every company needs ancillary services and products, and bounties paid in MPQ Tokens are a mechanism by which the Company can pay those who fulfill these tasks. Bounties might include, for example, the identification of new projects, the servicing of equipment or interfacing with local authorities on issues specific to a project.



5. Partners

5. PARTNERS

ImpactPPA has an existing partnership with a renewable energy provider, WindStream Technologies, Inc., that has several projects already in the pipeline and ready to deploy. Additional partnerships include, the Earth Day Network, Fortis Groep, Peacon Technologies, and Mattereum. ImpactPPA is looking globally to strategically align itself with companies and partnerships that share our vision and will add value and accelerate our presence in the industry.

5.1 Launch Products and Solutions

ImpactPPA has developed a relationship with WindStream Technologies, Inc., an innovative leader in creating low-cost, highly efficient renewable energy solutions for urban and rural environments, both on- and off-grid. Partnership with this forward-looking company is designed to bring an immediate stream of revenue.

ImpactPPA and WindStream recently agreed to an MOU that grants ImpactPPA the right to sell and promote the WindStream products globally where pre-existing agreements will not cause conflict or confusion in the marketplace. These rights include the sharing of long term revenue streams secured under PPA agreements with governments, utility companies, or project developers for greater than 186MW's of clean energy. The parties are currently working on the finalization of the definitive strategic partnership agreement.

These projects include:

Site Name	Size (kW)	T&D Power Type	Projected Average Annual kWh	Projected Lifetime kWh	PPA Rate (30Y Ave)	Annual Revenue by kWh	Projected Life Time Revenue
Somaliland 22_Hybrid	22000	Grid Tied	31,563,518	946,905,540	\$0.290	\$9,153,420.22	\$283,756,026.82
Les Irois 150 kW Hybrid	150	Off Grid	245,153	7,354,590	\$0.192	\$47,069.38	\$1,459,150.66
Anse-d'Ainault 150 kW solar only	150	Off Grid	238,023	7,140,690	\$0.192	\$45,700.42	\$1,416,712.90
Dame-Marie 300 kW solar only	300	Off Grid	476,046	14,281,380	\$0.192	\$91,400.83	\$2,833,425.79
Corail 150 kW solar only	150	Off Grid	238,023	7,140,690	\$0.192	\$45,700.42	\$1,416,712.90
Jermie 450 kW Hybrid	450	Off Grid	745,332	22,359,960	\$0.192	\$143,103.74	\$4,436,216.06
Pestel 150 kW Hybrid	150	Off Grid	244,111	7,323,330	\$0.192	\$46,869.31	\$1,452,948.67
PAP (tire au but) 100 MW hybrid	100,000	Hybrid	158,634,772	4,759,043,149	\$0.165	\$26,174,737.32	\$811,416,856.98
Saints Louis du nord (Borneau)	25,000	Hybrid	39,658,693	1,189,760,787	\$0.165	\$6,543,684.33	\$202,854,214.25
Khartoum, 12MW	12,000	Offgrid/Grid Tie	19,848,676	595,460,267	\$0.179	\$3,549,340.16	\$110,029,545.09
Sudan City Plan	25,000	Offgrid/Grid Tie	44,417,736	1,332,532,082	\$0.233	\$10,349,332.50	\$320,829,307.57
Myers Fletcher and Gordon	770	Offgrid/Grid Tie	81,368	29,292,381	\$0.191	\$253,100.55	\$7,593,016.54
	186,120			8,918,594,847		\$56,443,459.19	\$1,749,494,134.23

5.2 Earth Day Network (EDN)

For 48 years EDN has been the leading advocate in the environmental movement worldwide and has been an effective vehicle for promoting a healthy, sustainable environment. EDN's mission is to educate and activate individuals and groups on environmental issues and challenges, to advance the green economy, and to participate in Earth Day. ImpactPPA shares the EDN vision and is enhancing it by incorporating blockchain technology into EDN's renewable energy campaign.

ImpactPPA and EDN have joined together under this agreement to help promote the use of clean energy and cutting edge technologies. Fostering their adoption and installation can better the planet and the lives of millions of people in need. This agreement provides EDN and ImpactPPA the framework for projects all over the world that are mutually beneficial to the companies' respective goals.

For its first project, ImpactPPA and EDN will be providing a renewable energy system to the Edna Adan Hospital in Hargeisa, Somaliland. The hospital has been the life's work of Edna Adan and has provided maternity care and treatment to over 21,000 women throughout Africa.

As part of the agreement and their mutual commitment to work together, EDN and ImpactPPA are embarking on a project to commemorate the 50th anniversary of Earth Day Network in 2020. The "50 by 50" initiative will work to identify and install 50 projects similar to the Edna Adan Hospital anywhere in the world where clean energy and blockchain technology can be put to use to positively affect lives and the environment.

5.3 Future Partnerships

Future partnerships will be created with companies that the MPQ Token-holding community believes offer reliable and superior products for renewable energy.



6. Leadership

6 LEADERSHIP

6.1 Management Team

ImpactPPA's management team is comprised of seasoned entrepreneurs with extensive experience in building and operating businesses. Collectively, management has the vision as well as the experience in technology, science, engineering, the sustainability sector, financial management, and sales and marketing to execute on its business plan. The breadth of our management team assures ImpactPPA's ability to develop, promote, market, and sell the products.



Dan Bates – President and Chief Executive Officer

Linked [in](#).

Dan Bates has spent the last 10 years as President, CEO and Founder of WindStream Technologies, a recognized leader in hybrid renewable energy systems. Under Bates' guidance the company has deployed projects of all sizes in over 35 countries and established manufacturing facilities in the United States and in India. The company has won international awards for product design, efficiency and sustainability and has developed strong relationships in the international renewable energy community.

Prior to starting WindStream Mr. Bates spent 15 years in the technology sector and has launched successful technology ventures in both hardware and software. Mr. Bates' first technology venture, Extreme Audio Reality (EAR) was the first provider of multi-channel, interactive audio, designed for the PC and set-top box gaming arena. EAR successfully licensed its products to all major game publishers including Electronic Arts, Activision, Id Software, Ubisoft and many others. After EAR, Mr. Bates started Avant Interactive, which was the first provider of an interactive or clickable video solution for content owners, publishers and advertisers. Avant was the market leader in this emerging sector, holding licenses and/or contracts with many of the Fortune 100 companies.



James Young – Chief Technical Officer

James Young has more than 20 years of software development experience specializing in stream video network design, social game development, and online advertising. He has been a part of three successful startup acquisitions but also has large enterprise experience working at Cisco. He is familiar with the token launch process and wishes he could go back to school and get a degree in “blockchain”.



Venkat Kumar Tangirala
Int'l Business Dev Lead



David Miller
Project Dev Lead



Jeff Giery
Business Dev



Austin Bates
Community Lead

6.2 Board of Advisors



Vinay Gupta

Vinay Gupta is a technologist and policy analyst with a particular interest in how specific technologies can close or create new avenues for decision makers. This interest has taken him through cryptography, energy policy, defense, security, resilience and disaster management arenas. He is the founder of Co-Founder of Mattereum, which is creating the Internet of Agreements™.

He is known for his work on the hexayurt, a public domain disaster relief shelter designed to be build from commonly-available materials, and with Ethereum, a distributed network designed to handle smart contracts.



Dr. Michael K. Dorsey

A graduate of the University of Michigan, Yale and the Johns Hopkins University, presently Dr. Dorsey is also a co-founder, limited partner and the sole arbitrating board member of the Hyderabad, India based Univergy/ThinkGreen. From 1994-96 Dorsey was a task force member of President William Jefferson Clinton's Council on Sustainable Development. From April 2007 until November 2008 Dorsey was a member of Senator Barack Obama's energy and environment Presidential campaign team. In 2010 Lisa Jackson, the US Environmental Protection Agency (US-EPA) Administrator, appointed Dr. Dorsey to the EPA's National Advisory Committee (NAC) and was reappointed in 2012 and 2014.



Michael Terpin



Matt McKibbin



Enrique Martinez



Scott Holmes



Ben Mendelson



Carmine Farnan



Rage Aldan



Kwasi Asare



7. MPQ Token Sale

7. MPQ TOKEN SALE

The ImpactPPA MPQ Token Sale is expected to begin Q3 2018. At the time of the launch of the Token Sale the exact price and number of MPQ Tokens will be definitively determined and announced to the public. Anticipated pricing and allocations are described below. The MPQ Token presale began in October 2017 and in February 2018 ImpactPPA launched the second round of its presale.

Each Token will be an ERC20 token on the Ethereum blockchain — ImpactPPA will use a Smart Contract and return MPQ Tokens to the buyer's ether address. In the case of not meeting our minimum, we will return ETH to the buyer.

7.1 Token Allocation

ImpactPPA's fundraising goal is U.S.\$40 million. A total of 1 billion MPQ Tokens have been authorized (the "Authorized MPQ Tokens"). ImpactPPA will make available 53% of the Authorized MPQ Tokens, or 530,000,000, for sale in its Token Sale. The price per MPQ Token currently is targeted to be a value of U.S.\$0.15 (or 15 cents), subject to the pricing of the final Token Sale.

The allocation of all of the MPQ Tokens is illustrated below:

ImpactPPA Token Allocation	Category	Tokens
	Authorized MPQ Tokens	1,000,000,000
53%	Public Token Sale and Presales	530,000,000
20%	Founder Fund	200,000,000
10%	Developer Fund	100,000,000
7%	Advisors/Bounty	70,000,000
10%	MPQ Token Reserve	100,000,000
	Total	1,000,000,000

The details of the table above are as follows:

Presale of Future Rights to MPQ Tokens

The Company is conducting a presale of future rights to MPQ Tokens (the "Rights") with a soft cap of \$6 million using a Convertible Instrument / Purchase Agreement. The first presale round has been closed and \$1 million in Rights were purchased. The second presale round is now open and ImpactPPA is targeting to sell \$6 million in additional Rights. The second presale round is a tiered approach for Bonus MPQ Tokens as follows:

- Tier 1: \$0.00 - \$1,000,000 receives a 70% bonus
- Tier 2: \$1,000,001 - \$2,000,000 receives a 60% bonus
- Tier 3: \$2,000,001 - \$3,000,000 receives a 50% bonus
- Tier 4: \$3,000,001 - \$4,000,000 receives a 40% bonus
- Tier 5: \$4,000,001 - \$5,000,000 receives a 30% bonus
- Tier 6: \$5,000,001 - \$6,000,000 receives a 20% bonus

The Rights in the 2nd presale round will be subject to a holdback process for the MPQ Tokens of 12 months from the time of purchase. For U.S. citizens and purchasers located in the United States, all MPQ Tokens purchased in the presale rounds are subject to resale restrictions pursuant to Rule 144 under the Securities Act of 1933, as amended. The Company retains the right to vary the terms of the second presale round at any time.

ImpactPPA may, from time to time, have projects that are funded by 3rd parties. The revenue generated by these 3rd party projects will be treated as if they were SmartPPA's with the net revenue used to fund the GEN pool as seen above.

Use of Funds

Funds from the sale of MPQ tokens are targeted to be used for company operations, marketing, R&D and the installation of projects all over the world. The project funding requires the majority of the capital raised, primarily for the purchase of revenue-generating equipment such as solar panels, wind turbines, batteries, and smart meters.

USE OF PROCEEDS		
Funding Goal	\$40,000,000	
PR & Marketing	\$1,029,750	2.6%
Development	\$227,900	0.6%
Professional Services	\$251,450	0.6%
G&A/Other	\$3,235,812	8.1%
ICO Listing	\$725,000	1.8%
CAPX (Internal)	\$64,500	0.2%
CAPX (External, Generation)	\$31,219,564	78.0%
Reserve	\$3,246,024	8.1%
Total Use of Proceeds	\$40,000,000	100.0%

Pro forma Financials:

The following pro forma financial statement is unaudited and for consideration purposes only. The pro forma financial statement includes forecasts, projects and other predictive statements that represent the Company's assumptions and expectations in light of currently available information. These forecasts are based on industry trends, circumstances involving PPAs and other factors, and they involve risks, variables and uncertainties. The Company's actual performance results may differ from those projected in this pro forma financial statement. Consequently, no guarantee is presented or implied as to the accuracy of specific forecasts, projections or predictive statements contained therein. The Company currently targets that the defined projects from which this pro forma was created will generate revenue within 1 year upon funding. The projects included within this pro forma may be replaced with other projects at the sole discretion of ImpactPPA

Income Statement	Year 1	Year 2	Year 3	Year 4	Year 5
Revenue	1,852,423	8,125,118	7,037,454	12,686,516	11,601,965
COGS	252,870	945,557	869,968	1,420,198	1,819,533
Gross Margin	1,599,553	7,179,561	6,167,485	11,266,318	9,782,432
Gross Margin %	86.3%	88.4%	87.6%	88.8%	84.3%
SG&A	4,760,094	4,708,565	4,751,309	5,290,440	5,410,730
EBITDA	-3,160,541	2,470,995	1,416,176	5,975,878	4,371,702
Cumulative EBITDA	-3,160,541	-689,545	726,630	6,702,509	11,074,211
EBITDA Margin	-170.62%	30.41%	20.12%	47.10%	37.68%
Net Income	-\$2,609,641.31	\$1,840,493.22	\$1,006,172.81	\$4,595,560.56	\$6,998,478.10

Asset sales may occur in years 2 and 4 after funding and installation.

A minimum of 15% of all net revenues flow to token holders through dividends and market making

The remainder of all net revenues are reinvested into new projects further driving the value of the GEN Pool

Public Launch of Sale of MPQ Tokens

Any MPQ Tokens that remain available for sale after the presale rounds described above are concluded will then be sold in a public launch targeted for Q3 2018 at the targeted Token price of \$0.15 per token with no bonus offered (subject to offering restrictions in various jurisdictions). These MPQ Tokens will be sold using a Smart Contract until all 530,000,000 million MPQ Tokens have been sold. ImpactPPA at its sole discretion may elect to increase or decrease the number of Tokens sold in the presale and public sale rounds, the bonus levels and the targeted MPQ Token price, provided that no more than 53% of the Authorized MPQ Tokens will be made available for sale. Buyers will receive ERC20 tokens at the conclusion of the Token Sale.

Founder and Development Fund and Advisers/Bounty Programs

ImpactPPA will reserve 200 million MPQ Tokens for a Founder (20%) allocation, 100 million for a Developer (10%) allocation, and 70 million for advisers/bounty programs. These reserves will be issued to the appropriate entities or individuals at the discretion of the company. All founder and developer token distributions will be subject to a lock-up period per the following schedule: 50% of the tokens shall be locked up for a 9 month period during which they cannot be exchanged or bought back by the Company through the GEN pool. The remaining 50% shall be subject to an additional 9 months.

MPQ Tokens Reserved for Future Sale

100 million of the Authorized MPQ Tokens will be reserved for future incentives or sales by ImpactPPA. At this time, ImpactPPA does not anticipate selling any additional MPQ Tokens until after the second anniversary of the close of the Token Sale. No MPQ tokens in the reserve pool will be sold below the ICO price.

Eligibility Requirements/Whitelist

In order to participate in our presale or Token Sale, a potential purchaser must be qualified by us as an eligible purchaser. On our website ImpactPPA.com, please choose the "Join the Presale" or "Whitelist for Token Sale" button, which will take you through the steps to determine whether you are qualified as an eligible purchaser. The whitelist period commenced on February 26, 2018 and will continue through the targeted public launch of the Token Sale in Q3 2018. We will continue to conduct purchaser eligibility reviews throughout the Token Sale period, but potential purchasers who are whitelisted before the public launch of the Token Sale will receive priority in the allocation of MPQ Tokens.

Please visit: ImpactPPA.com and follow us on Twitter: @impactppa

7.2 Token Sale

Tokens will be priced immediately before the public sale in ether. The sale will take place at that fixed price over a period of time to be determined by ImpactPPA (measured in blocks on the Ethereum blockchain) or until all 530,000,000 million are sold.



8. Legal Implications

8. DISCLAIMER

PLEASE READ THIS DISCLAIMER SECTION CAREFULLY. IF YOU ARE IN ANY DOUBT AS TO THE ACTION YOU SHOULD TAKE, YOU SHOULD CONSULT YOUR LEGAL, FINANCIAL, TAX, OR OTHER PROFESSIONAL ADVISOR(S).

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This white paper does not constitute a prospectus or offer document of any sort and is not intended to constitute an offer of securities or a solicitation for investment in securities in any jurisdiction. ImpactPPA does not provide any opinion on any advice to purchase, sell, or otherwise transact with MPQ Tokens and the fact of presentation of this white paper shall not form the basis of, or be relied upon in connection with, any contract or investment decision.

No person is bound to enter into any contract or binding legal commitment in relation to the sale and purchase of MPQ Tokens, and no cryptocurrency or other form of payment is to be accepted on the basis of this white paper.

NOTICE TO RESIDENTS OF THE UNITED STATES

THE OFFER AND SALE OF THE PRE-SALE RIGHTS TO MPQ TOKENS (THE "RIGHTS") AND THE MPQ TOKENS SET FORTH IN THE PURCHASE AGREEMENT HAVE NOT BEEN REGISTERED UNDER THE U.S. SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), OR UNDER THE SECURITIES LAWS OF ANY STATE OR OTHER JURISDICTION. THE RIGHTS AND THE MPQ TOKENS DESCRIBED IN THE PURCHASE AGREEMENT MAY NOT BE OFFERED, SOLD OR OTHERWISE TRANSFERRED WITHIN THE UNITED STATES EXCEPT AS PERMITTED UNDER THE SECURITIES ACT AND APPLICABLE STATE SECURITIES LAWS PURSUANT TO AN EFFECTIVE REGISTRATION

STATEMENT OR AN EXEMPTION THEREFROM.

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THE PRE-SALE RIGHTS AND THE MPQ TOKENS DESCRIBED IN THIS WHITE PAPER DO NOT TRADE ON ANY EXCHANGE OR MARKET. THEY ARE BEING OFFERED PURSUANT TO NATIONAL INSTRUMENT 45-106 (PROSPECTUS EXEMPTIONS) AND, WITH RESPECT TO ONTARIO RESIDENTS, UNDER THE SECURITIES ACT (ONTARIO) TO ACCREDITED INVESTORS. UNLESS PERMITTED UNDER SECURITIES LEGISLATION, THE HOLDER OF THE RIGHTS AND THE MPQ TOKENS MUST NOT TRADE THEM BEFORE THE DATE THAT IS 4 MONTHS AND A DAY AFTER THE LATER OF (1) THE EFFECTIVE DATE OF THE PURCHASE AGREEMENT AND (2) THE DATE COMPANY BECOMES A REPORTING ISSUER IN ANY PROVINCE OR TERRITORY.

NOTICE TO RESIDENTS OF CHINA

THE RIGHTS AND THE MPQ TOKENS ARE NOT BEING OFFERED OR SOLD AND MAY NOT BE OFFERED OR SOLD, DIRECTLY OR INDIRECTLY, WITHIN THE PEOPLE'S REPUBLIC OF CHINA (FOR SUCH PURPOSES, NOT INCLUDING THE HONG KONG AND MACAU SPECIAL ADMINISTRATIVE REGIONS OR TAIWAN) OR ANY OTHER JURISDICTION WHERE SUCH OFFER AND SALE IS PROHIBITED BY LAW.

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