

Co2 Energy Ltd.



We have hit the highest density of CO2 in our atmosphere in the 2 million year history of our planet.



https://www.theguardian.com/environment/2017/oct/30/global-atmospheric-co2-levels-hit-record-high

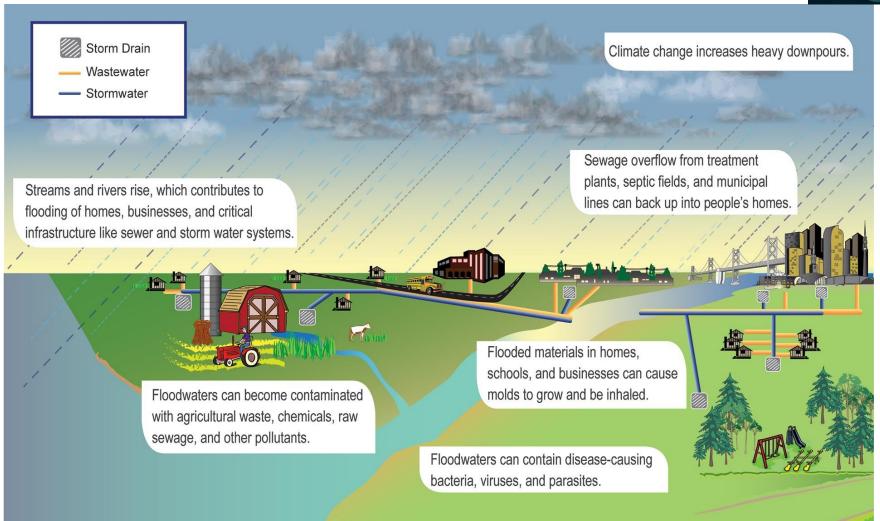
# The effect of this is increased acceleration of climate change.





## Warming creates a domino effect







### By 2030 - Only 12 years from now!

### How climate change could impact the world



Warmer water and flooding will increase exposure to diseases in drinking and recreational water

Pollution and pollen seasons will increase. leading to more allergies and asthma



250,000

BY 2030

Mainly due to malaria, malnutrition, diarrhoea and heat stress.

TEMPERATURE RISE

Disrupting precipitation patterns and the frequency and intensity of some extreme weather events



\$2-4bn COSTS BY 2030





Hunger and famine will increase as food production is destabilised by drought

Source: WHO

Credit: Rebeccah Robinson/LSHTM

The few remaining areas of Florida, Denmark, and numerous other lowlying zones will still be flooded, but at least they won't be submerged.





# We have only 2 ways to try to mitigate this:

• Remove the CO2 from our atmosphere - forestation

• Reduce the amount of CO2 that we produce – green energy







Financing is provided to develop a scalable model for sustainable land use



Impact goals and key performance indicators are monitored and reported annually

Project partners work with local people to address drivers of deforestation and develop sustainable, environmentallyfriendly livelihoods



COLLABORATIVE AND TRANSFORMATIONAL PROJECT DESIGN



Project partners are expected to deliver social and environmental impact as well as a fair financial return

> A FAIR FINANCIAL AGREEMENT



Selection process that includes stringent Environmental, Social and Governance standards

Opportunities are identified where investment will lead to optimal impact





OURPROJECT PROCESS

Co2 Energy Ltd. Gibraltar



The Climate, Community, and Biodiversity Alliance recognizes the **positive impact** on people, nature, and climate

The Verified Carbon
Standard quantifies
carbon emissions avoided



Projects are verified by our Impact Framework as well as robust global standards to ensure real, lasting value

QUANTIFYING AND CERTIFYING IMPACT



Forest carbon assets provide financing for communities to achieve sustainable land use



Environmental resilience is a critical co-benefit of our projects

Globally, our projects are valued for their climate benefits

Locally, our projects reduce deforestation, preserve biodiversity, empower local and indigenous communities, reduce poverty, and protect wildlife

LOCAL IMPACT, GLOBAL BENEFIT



Our investments create businesses that continue to positively impact forest landscapes, the people that live in them, and the global climate, by producing sustainable, deforestation-free commodities

VIABLE BUSINESS AND RESILIENT ECOSYSTEMS

# We have seen some good progress in converting our economies to more carbon neutral footprints

Solar power
Electric vehicles
Wind
Hydro Power
Batteries

The problem is, that to create fertile environments for these technologies to grow on equal footing and overtake the incumbent fossil fuel ecosystem, we need to create means to lower the cost of capital for investment



As with all incumbents, the deck is stacked against capital flowing into these new alternatives because capital is a limited resource and the competition starts and ends with its availability.

#### **Existing Infrastructure**

- Coal power plants
- Centralized power distribution grids
- Fossil fuel combustion engines networks of gas stations
- Remote diesel generators
- Kerosene heaters

#### **Vehicles to provide low cost capital**

- Gov't subsidized fossil fuel exploration
- Utility supported investment in fossil fuel generators
- *Master Limited Partnerships* (not available for Solar and other green energy)



# Old economy mechanisms will eventually come around to support this energy revolution – We can't afford to wait

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# The "Enernet's" answer to *low cost* capital is crypto currency.

For example: Combining solar with batteries enables micro grids that = the global democratization of power

But, current blockchain based energy trading schemes do little to nothing to lower the cost of capital for investment critical to changing course faster and saving our collective future.



## E.G. U.S. Micro Grid Solar Opportunity

Even though the cost of solar is now competitive with other energy sources in many U.S. states, the upfront cost for small and medium sized businesses as well as nonprofits is still prohibitively expensive (with an average system cost of a \$177,000). Because of this, the commercial solar sector has not grown nearly as quickly as residential and utility.

sustainab

What is needed is *low cost capital* unencumbered by the lobbying efforts and government manipulation to protect the incumbent fossil fuel model.

#### The three critical elements include:

- 1. Initial unencumbered lower cost capital investments
- 2. A profitable economic delivery model that finances infrastructure
- 3. Re-investable free cash-flow indefinitely with a built in ROI



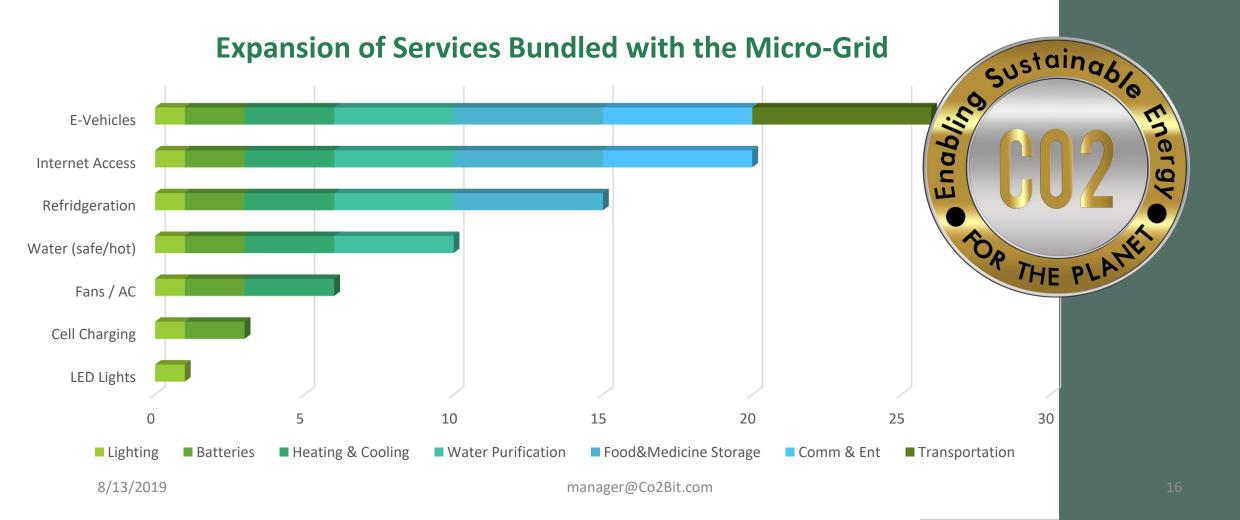
# Concepts that make the Co2 Energy Ltd. Model work for the planet and Co2Bit Coin investors directly:

### The three critical operational concepts include:

- 1. Investment of Pre-ICO revenue and ICO Coins into existing infrastructure project development companies with long tails (think sustainable)
- 2. Following on the success of the "Cloud Computing" model deliver Energy Services as a subscription or pre-paid monthly functionality. (see next slide)
- 3. Co2Bit Coin buy-backs from net profits of CO2 Energy Ltd.



# Service demand continually grows naturally with economic enablement.



# **Appendix: What Access to Energy Provides**

"Energy is the underlying prerequisite for an opportunity to participate in, versus be a burden on, the global economy and be able to influence the destiny of your life, your family's, your community's and the planet."



Ron Wilkins

## Access to LED Lights Provides

- The means for everyone, especially developing children to read and study at night
- Security for themselves and their livestock and other belonging
- Escape from the harmful effects of prolonged exposure to kerosene fumes or smoke
- Protection from fires caused by other lighting sources such as kerosene or open fires



# Cell Phone Chargers Provide

- Participation in a larger economy
- Access to communications for medical emergencies
- Ability to do business with other villages



### Fans Provide

- Ability for the children to sleep at night
- Refuge from the heat in the summer
- Warmer homes in the winter



## Refrigeration Provides

- Better nutrition for the children and families
- Ability to keep medicines on hand to fight disease



### **Internet Service Provides**

- Education opportunities for the children
- Participation in the digital economy
- Information
- Communication



### Water Purification Provides

- Clean drinking water
- Better health
- Protection from spread of diseases



### **Electric Vehicles Provide**

- Economic Opportunity
- Transportation of Talent and Goods
- Assistance in Medical Emergencies



