

# 12

# BUSINESS **\$\$** PLANS

That will make a killing off the transition from  
Fossil Fuels to renewable energy  
Based on an INDEX of solutions to the  
causes and consequences of  
atmospheric Carbon.

Paul M. Jay  
5/2018 Edition



*It is in transition that fortunes are made.*

**- SWITCHES -**

*-horse/steam to oil: Rockefeller, Ford....*

*-off-grid to grid: Westinghouse, Edison, Morgan...*

*-analog to digital: Jobs, Gates ....*

*-fossil fuels to renewables: Musk, ?(lots of room on this list)*

*-grid to off-grid: ?*

Clever Nonsense Books

# 12 EMERGENCY & BUSINESS PLANS

for PLANET EARTH

Financial opportunities arising from  
switch off Hydrocarbons.

- A. The HOUSE
- B. The OFF-GRID DEVELOPMENT
- C. The ETF
- D. CARBON REMOVAL & FINANCE
- E. The PIPELINE PROJECT
- F. FOREST REGENERATION
- G. The FARM
- H. The BAG
- I. The BODY
- J. The LOCOMOTIVE
- K. The KOCHS
- L. The CAR

12 BUSINESS PLANS is based on an INDEX of  
Solutions to causes and consequences of  
atmospheric Carbon.

## INTRODUCTION/CONCLUSIONS

The road to riches starts with extrapolations about the future, which some people innately want to take a bite of, but because of climate change, an acceptable future only exists if we solve the Carbon problem. Renewable energy is the **NEXT BIG THING**, and it's full of tasty bigger-than-bite-size opportunities.

For years I've been looking for projects that can be described as solutions to the causes and consequences of atmospheric Carbon. The challenge of our time is to reduce this Carbon in the sky before it's too late (tick tick), and compiling the solutions into an **INDEX** has been my way to better visualize innovations in energy and storage and transportation that take place all the time. The inspiration this gave me was that the future is up for grabs, and we could weave together the right innovations with old practices to make a sustainable fabric, with engineering solutions teamed with financial, architectural, agricultural, lifestyle adjustments that can allow us to **lead sustainable lives without sacrificing comfort or convenience**. And monetize it. This transformation can only happen if it enriches the people catalyzing it, as happened with all previous transformations. The plan here involves motivating investors and philanthropists through primal greed and guilt to actually save the planet, or at least delay the collapse of civilization, <sup>2</sup> while making a fortune.

Professional snoops never know ahead of time in which direction an investigation will lead; suddenly they have to know all about the real estate business or whatever to a fine level of detail in a short time.. I, an amateur, had to learn, or guess really, about finance and off-grid living and electrical engineering and agriculture and a bunch of other things and try to fit them together. The result is this book: a call to all to heed the writing on the wall in energy. I lay out ways that the focused entrepreneur could be the next Jobs or Gates, a 'changer' could make the fortune in transition. An advanced degree in a specialized field would not have helped me here, and by chance I don't have one, but what was needed was a broad grasp of the situation won by a decade of compiling and researching, which resulted in the INDEX on which the 12 BUSINE\$\$ PLANS are based.

A major cause of atmospheric Carbon is the electric grid, paired of course with the demand for power that created it. The trend for a few centuries now has been to increase our energy consumption and our access to energy, which is provided mostly by fossil fuel-burning dynamos through the all-encompassing high-tension wires. The rest of the energy we use, for transportation etc. also comes from fossil fuel mining.

But how much of all that billable burning is necessary for survival and comfort? Suddenly, with cheaper solar panels and small wind turbines and wall batteries and electric cars, the grid becomes less important, almost disposable.

So one solution being proposed here is an

## **OFF-GRID HOUSING DEVELOPMENT.**

There are many off-grid communities and outliers, and of course everybody was off-grid before the grid, but what if a normal family, say, with the kids and two jobs and all the pressures of modern life, what would off-grid be like for them?

First of all they would need a house already set up, designed for the purpose. It would have to provide the amenities of on-grid living, which it competes with for your real estate dollar, but instead of sewage going by pipe to big ugly treatment plants, it would be processed in the house and used for the garden, which would be everywhere. The solar arrays and wind turbines would make enough power for the cars and appliances, and if that's a problem, there are new magnetic motors and other Teslian type solutions that will provide more power.

So growing up in a house like that, kids would automatically know how to farm and recycle and lead lives almost devoid of combustion and consumption of crap. However, the kid's parents aren't necessarily hippies living outside of Taos, they may work for the phone company and commute to work. This points to a need for a standard, highly developed off-grid house that comes with all the pipes and cisterns and vertical garden structures all on a 10th acre. So this book provides a way to achieve that standard design and profit mightily from the effort.

That's not all we're looking at, but the off-grid white collar worker is a problem that hasn't been thought about much, if at all. There are other issues: Diesel locomotives, plastic pollution, gas addiction and everything else in the pandora's box of environmental ills brought to us by Hydrocarbons, they are so integrated into our lives that the road off of them must be strewn with rose petals to attract the gas addict to a combustion-free life..

I'm not a businessman or entrepreneur, but would like to get finance people interested in these opportunities that I've uncovered by looking at the BIG SWITCH (ff's to renewables) from every angle.

All the conclusions and PLANS here came out of the INDEX, not from any work done by anyone else, except for the inventors represented in the INDEX.



So here are some conclusions and observations that led to these PLANS:

\*To mitigate atmospheric Carbon requires killing the oil extraction business, otherwise it is going to bring vast reserves into the market and into the sky as Carbon in one form or another, which is a thing to avoid. Many oil companies are looking into alternative fuels, like algae bioDiesel, and the more they foresee the demise of the hydrocarbon mining industry, the more they will steer their resources in the renewable direction.

\*Also the Carbon in the sky has to be removed, and many technologies exist to do that. This should be paid for by oil money philanthropies, like the Rockefeller and Getty foundations, since every pound of Carbon in the sky is a dollar on the ground. Financing Carbon Capture initiatives is one of the plans here. The heirs of oil fortunes, as well as their philanthropies, will be notified of their responsibility and presented with options on how to meet that responsibility.

\*To kill the oil business, alternate technologies that undercut the price of hydrocarbons have to come to market, as they are doing, and attract the money invested in fossil fuel mining, which is about **half the money in the world**. At some point, perhaps next year, the banks that finance the industry will have doubts about the returns on a pipeline or an off-shore oil rig, and they will notice a sag in Exxon share price, they will

see clean energy will be available for a fraction of the cost of mined fuels, and only then will the drilling and fracking and pipeline building start to stop.

\*The bloated membrane around the world's petrodollars will start leaking vast amounts of equity as the share price of Hydrocarbon investments droops. This draining could be easily facilitated by an ETF on the Dubai exchange that has an equity stake in promising technologies and patents and products. This ETF would provide a route down which petrodollars could travel as they escape a dying industry, a slow drip could turn into a torrent. This could be done on lots of exchanges, but the credibility of the ETF and its choices for the future, are crucial here. This credibility issue forms the heart of these **BUSINE\$\$ PLANS**.

\*The thousands of energy products being developed represent a problem for investors: any investment could be undercut by new technology. There are so many gizmos in different stages that it is impossible to tell which will dominate down the line, or which will fizzle under their own hype, or which is outright fraud, so investments are going to be risky. This is an attempt to sort it all out, but it's like a giant jigsaw puzzle that has no solution except the future, where the answers lie. Since this future has to be created, a lot of consensus has to be reached, in the lab and the market place.

In between the lab and the market place is a testing and demonstration phase that is crucial to the overall plan: the HOUSE. It is in the HOUSE that the tech can be seen, hooked up, played with, compared, verified, rejected and forgotten, or kept on board and adopted.

\*Since solar, wind and wave energy is already available, off and on grid, the battery technology to store this energy has to be reported on, tested and invested in (Aquion, Tesla, Nissan et al) on a continual basis. Inverters too. This is one purpose of the HOUSE.

\*Getting energy from a variety of sources, including ourselves, makes more sense to me, instead of seeing one source, like over-unity, or Hydrogen, as a universal power source, like mined hydrocarbons have been. What is going to be powering the trains and trucks and power plants and houses 10 years from now? Will it be the SunCell, or some free energy device, or Hydrogen gas, or some kind of LENR, or the long-promised fusion reactor.. or even some device that turns urine into a flammable gas? What's going to be in the basement and on the roof? And what will be in the batteries? Houses are less and less productive, and they are consuming more and more, so we wonder can your average home be made to generate its own electricity, enough to also power the car? Of course it can, but how do you convince people to get off the grid, to make an up-front investment and then not have to pay a utility bill ever again?

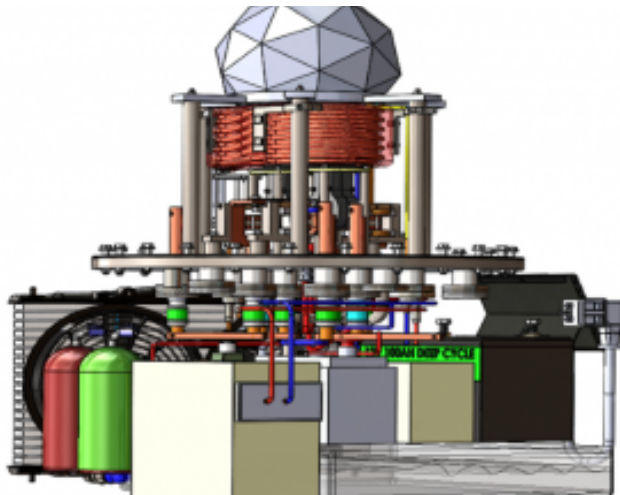
The HOUSE as conceived here will represent an attractive alternative to living on the grid, which will become slightly less normal. With O-G option available, people will think about it, reassess.

\* The powers that have ruled the highly profitable energy-verse have suppressed many, but not all of the energy innovations of the past century. Professor John Searl in England ran his house for 40 years on his SEG, off the grid, consuming no fuel, and every obstacle was thrown in his path so that the technology would not change the world (his invention is being developed by SEG Magnetics in San Diego, has yet to come to market. A \$16,000 investment would provide a house, or car, with generations of free power, never wearing out). Searl also designed and built a space ship that worked.

\*There are so many other geniuses: Randall Mills at Brilliant Light Power can (allegedly, I haven't seen it yet) transform Hydrogen from water into a lower, more stable quantum state, which he claims quite convincingly is dark matter. This transformation releases a brilliant UV light that can be captured by specialized PV cells to create all the DC current you could want, a totally independent energy source that could power a car, a train or a housing complex or a micro-grid. This in itself makes fossil fuel combustion obsolete, and could trigger a new type of economy while postponing the demise of civilization.



*Searl Effect Generator*



*SunCell by Brilliant Light Power, Randall Mills  
inventor*

I tried to get some physicists interested in Randall Mills and his theories, they all called him a fraud without checking him out, probably because it was me, a non-scientist, bringing it up, which is just annoying, like a kid telling the plumber which wrench to use.. Still they might have poked their heads around the corner.

Anyway the HOUSE and the LOCOMOTIVE should settle any doubts one way or another about these claims.

New energy sources don't of course solve all the problems of transitioning off of fossil fuels. The implementation requires a public will, and the rapid demise of the HydroCarbon mining industry. I address both in the following PLANS, which identify ways to remove C from the air while providing the same services that up to now have put C into the air, in other words, reversing the process.

## PLAN A

### The HOUSE:

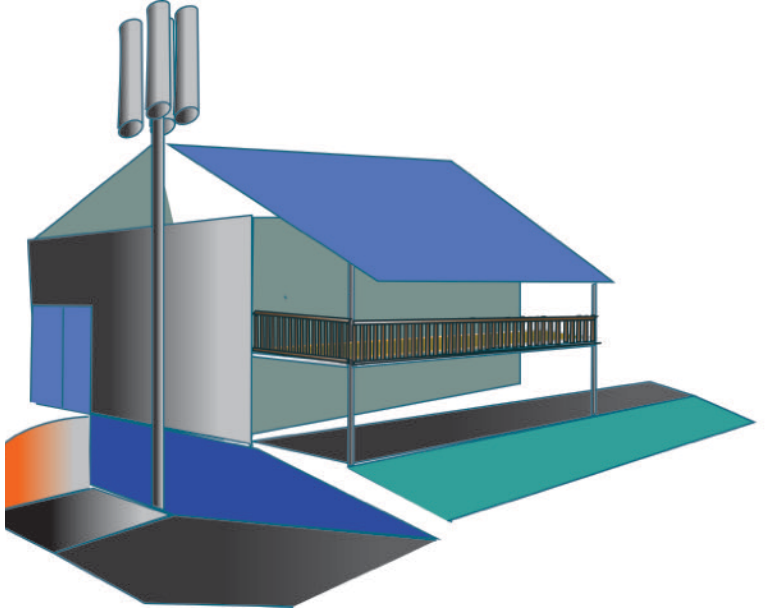
We would like to see: a regular house hooked up to some of the off-grid energy systems available, to see, and show, how much power that HOUSE can create. This would get people thinking as they pay their utility bills: they could be selling energy instead of buying it.

The typical Long Island house consumes electricity, gas, cable, Cheerios, fresh water, generation after generation of electronics, paper towels, plastic wrapping and so on. On the production side is children and garbage and sewage, which are the property tax financed responsibility of the local government. The thought many people have had is that the house could be much more productive, less dependent, it could produce its own energy and food, even energy to run the car, energy to sell back to the utility, produce to sell at the local produce market.. which is what houses used to be about, before the electric grid. The house once produced children to help on the productive farm, except manor houses which had tenant farmers to do everything.

The landed aristocrats and their estates and chateaux produced (or *could* produce) food for everyone and no garbage at all; the point of the estate was self-sufficiency. The earliest American colonies produced no garbage, neither did the native villages, so the sheer volume of

household trash now on the street for pick-up indicates that current residential paradigms are out of whack. The norms have to be addressed, since in challenging them lies many solutions to atmospheric carbon and plastic pollution. The HOUSE we are proposing will be engineered to create as much energy and eggplants, tomatoes, squash and strawberries as possible while generating as little waste as possible, while either off the grid or providing electricity to the grid. All the decisions on what to produce and the use of space and energy would be made by the home owner, but the functionality would be there whatever choices are made.

The Worlds Fairs of the electric age introduced the appliances that relieved the drudgery and made it possible to live without a team of servants. So the house is a machine; complicated, connected to numerous grids, providing climate control, food-production and preservation (the kitchen), protection from the elements, privacy, entertainment, toilets, baby production, security for the vast amount of stuff we human magnets collect in our lifetimes... but reliant on the electric grid, which is not 100% reliable. At this writing 2 million people in Florida are without power. (update: the US power grid has been hacked by the Russians. Puerto Rico is dark). The counter-argument to off-grid is that the grid will soon be powered by fusion reactors, so electricity will be greener and cheaper. Well it's still the grid, there are still bills, blackouts, a dependency on infrastructure that makes one less free. <sup>13</sup>



*Off-grid Cottage*

The irony is that the grid was made possible by Nikola Tesla and alternating current, originally powered by his still-operational turbines at Niagara Falls. But this consequence was not foretold, that the grid would grow so fast it would have to rely on combustion of fossil fuels in coal-fired power plants to power every house, business and factory all over the world. This is causing the dangerous nuisance of global warming, so now we have to change course rather rapidly to save ourselves, if it's still possible.

The Greater World Community in Taos, New Mexico is a group of off-grid houses made from recycled materials that produce their own food and energy, the waste water feeds the plants. Though it's entirely possible that they have already come up with the best designs for the HOUSE, and the houses have the functionality we're looking for, this is definitely the hippy style. The HOUSE is supposed to attract regular people with jobs and families who would otherwise live in a normal suburban development, so the HOUSE needs to be tweaked..



In this fast-paced world where free energy is the El Dorado, we have to think about the context, the history, the economics, all of it. But instead of writing thousands of pages, let's just look at a HOUSE and see what it can do, to see if it can produce more energy than it consumes, using recent and continual developments in all kinds of esoteric stuff, combined with centuries-old practices. The public must be made aware of the options and how things can work together; working examples have to be made, claims verified.

This won't happen by itself. The new paradigm must arise from a publicity stunt: first turning a normal house into a power plant and farm, to see how much power the electric cars need for a normally functioning family, how much garbage could be reduced, how will it be heated in winter, how much everything costs, how it can be financed (as part of the mortgage, since it's all part of the HOUSE).

A house stands in a small field. It has basic plumbing and a bunch of wires leading from the light pole to the second floor. The house has a refrigerator and a furnace and some A/C, appliances and entertainment equipment, cars, and garbage cans of course, but suddenly along come the new owners who have enough room on their mortgage and on their roof to turn it into a power station. Soon the roof is covered with solar panels the basement is cleared of furnace and hot water heater to make way for wall batteries, wind turbines go up and the makings of some vertical gardens materialize on the 10th acre of land. The sewage system feeds the garden, rain water is collected and distilled through charcoal, and, after this considerable effort,

the house has great power and productivity. The power runs all the machines, the car, the lawn mower, refrigerator, and the electricity is stored in a flood-proof battery system. The compost turns slowly, rotated by a little motor powered by a solar panel. A storm could knock out all the power on Long Island and the HOUSE wouldn't miss a beat.

This is more the way things were before the electric grid and the oil business disabled the natural energy and food producing habits of the previous generations (lit by whale oil, of course). The transportation, -the horses-, was powered by the land, -the hay- which was sown and cut by humans as seen in impressionist paintings. But consumerism has made us obese and lazy, un-physical, standing on escalators, buying everything that is being used, never leaving the house except by car, blissfully unaware of pollution, climate change, slaughter houses, child labor... But what if the idea of a house could be rebooted, what if people owned, along with their property, the means of creating energy and produce?

The HOUSE will also be a GREENHOUSE, with enough vegetation to soak up the CO<sub>2</sub> in the air, filling the rooms with fresh oxygen and scents. CO<sub>2</sub>, which builds up inside a normal house, becomes more of an issue with climate change. It may or may not be practical to turn a regular house into a greenhouse, but in designing a model HOUSE from scratch, the architect is informed that it is also a GREENHOUSE and it faces south.

Let's assume that this is a good idea, in spite of the inevitable resistance to it. Studying local ordinances is a good plan at this point but we don't know where the HOUSE is going to be. It could be a part of a study, an example that answers questions and creates a dialog. Doing it within a research facility, like Brookhaven National Labs, would be optimum. That would require the cooperation of the Dept of Energy and would compete for funding with all the other projects, but maybe it doesn't need funding. That's what the ETF (PLAN C) is for.

At Brookhaven, the armies of scientists would, instead of working exclusively on their own grant project, be exposed to innovations from all over and the applications they are put to. Engineering students will want to live in the HOUSE, participate in its design. Hopefully it gets write-ups in the local papers and leads to reality shows. Such a paradigm shift needs massive exposure.

As we speak, Nissan is on the road to providing every house in UK with panels and batteries, integrated with the Leaf, their electric car. I don't know how this is being financed. A lot of big companies are looking in the crystal ball and seeing what I'm seeing: an integrated CAR/HOUSE off-grid solution.

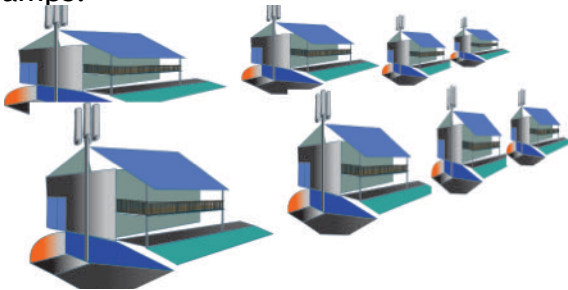
I plan to rent for a week or so an off-grid house in TAOS to learn about the experience, perhaps to replicate it with a house I own on Long Island. It will all be research for the next edition of this book, with pictures.

# PLAN B

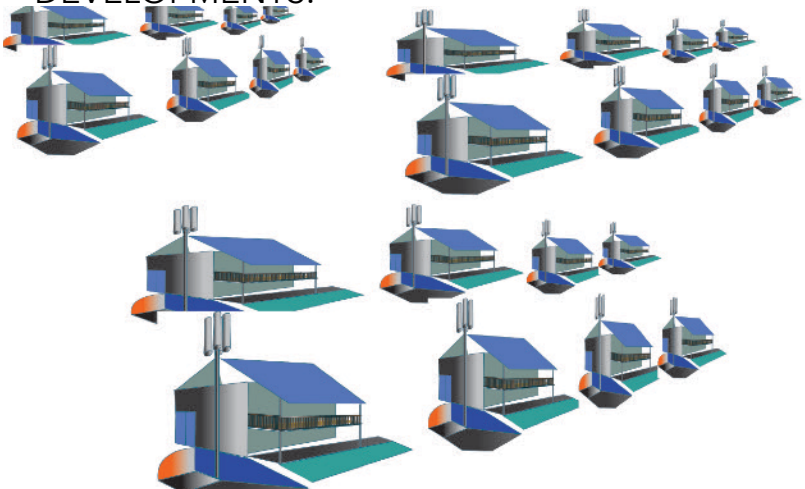
## The OFF-GRID HOUSING DEVELOPMENT:

Once the HOUSE is up and running, off the grid, redesigned from scratch, it should expand into a DEVELOPMENT, so that families can buy into this future and opt out of the fossil fuels that have powered our lives for always. These houses would be first experimentations, then demonstrations, then for sale. It's important to know the value added by the functionality, also how it affects people's points of view. In off-grid communities which I follow on Facebook there is a notable absence of ideological posturing, all the discussions are practical and about how to deal with black flies and varmints, not arguing about gun control and immigration, libtards and teabaggers. No trolls, which is such a breath of fresh air, it's a total pleasure to read these posts..

The idea is to scale this model to wherever on the planet developments are planned, even to places that have always been off the grid but are now threatened by grids. A tent-size version could be introduced into refugee camps.



The converted HOUSE leads to the redesigned HOUSE with most of the same off-grid functionality, but with an architect's input on how best to design the HOUSE around the functionality, especially with plants and pipes taking up space. It doesn't have to look any different from a normal split-level, but it would be nice to build some of it out of recycled materials and make it super-efficient. Having plants growing everywhere would mean changing the floor plan and the way light comes into the HOUSE. At this point the DEVELOPMENT is ready to scale into DEVELOPMENTS.



# PLAN C

## The ETF:

This process of testing integrated solutions bestows credibility on an ETF that invests in shares of the suppliers of the components. If the off-grid experiment scales, the demand for the equipment and technology would also scale, and the public demand for an attractive green energy investment would fuel the whole enterprise; people would know where to put their money to save the planet and get rich simultaneously, people who dumped their Exxon and are looking around for an alternative.

Who owns the ETF? Whoever creates it. How did I think of it? By trying to save the world, in a panic, not by trying to make money (though my finances also cause plenty of panic). My thing is to do what has to be done, rather than what I know how to do or want to do or what makes money. Greed is such a great motivator, what else is going to get it done? I'm motivated by p[anic and sorrow, not greed, which, though interesting to Ayn Rand fans, represents the individual benefitting at the expense of the masses. Trumpism.

Putting an ETF on the exchange in Dubai could trigger a flood of cash out of oil, like poking a great bloated membrane with a sharp stick.

These kinds of funds generally lose money, since BIG OIL still controls the energy-verse. However, Bill Gates and his billionaire pals are putting together a \$20bln fund to do exactly what the INDEX, in a slightly more modest way, is trying to do, to steer the energy future and save the planet. This means they would absorb much of the start-up costs for some of these products.

The philanthropic model won't quite do the trick, it doesn't rob the oil companies of bank loans and share value and the energy market persists with hydrocarbons. The ETF, could, in theory, attract that energy dollar, helping to bring down BIG OIL. **It would be part of a capital pipeline between the old and the new.**

**The INDEX, now informed by the HOUSE, will be on line, all the info shared. This could also be a cable show, finding these geniuses and seeing what they have.**

The viewers could invest in their favorite genius. The ETF would invest whatever money each show raised. Investors would get shares of the ETF at market value. The ETF would get equity share of the patent, or whatever the intellectual property is, with the money it raised for that purpose. (sorry, these are just notes)

**This project has always promised to open up possibilities. A fund and a cable show are exciting ways to put the information into play. Of course we keep in mind that many failed inventions worked in the lab, but since binge-watching Sharktank, I know that there are things to look for. This fund would find perhaps fifty companies that look, based on their integration into the HOUSE, like they will be part of the future. The ETF would then take small percentage positions in their public offerings, but it would not do this without testing the product in the HOUSE, under living conditions.**

If they are not publicly traded, there may be other ways to get involved. A registered institution meeting requirements seems to be the only way to talk to Brilliant Light Power.

The following list represents makers of products that could be brought into the HOUSE and evaluated.

(proposed)ETF Stock Picks:

Terraform Global.NASDAQ:TERP  
(NASDAQ:GLBL \$3.60)

Nanoflowcell

Hydrogenics (NASDAQ HYGS \$4.)

Aquion Energy for sodium-ion batteries.  
(better than lithium)(not public)

Brilliant Light Power (They screen backers,  
probably to keep out the oil biz,  
product always delayed, backed by \$20mln  
at \$6 bln evaluation)

Thunder Energies no trace of them as a  
public offering, will inquire.

Hydrogen garage

SEG Magnetics, San Diego

HYSR .012/ share.

Rayton thin-slices silicon for cheaper, more  
efficient solar panels (StartEngine)

NIKOLA hydrogen fuel cell powered trucks

The engineers setting up the HOUSE will learn what works best, what works together, what people would be most interested in buying, what companies are capable of providing. Basing an ETF on the results of this research is the financial aspect of this proposal, determining the future by testing and investing. The ETF on the right exchanges could finance the on-going research and testing of the equipment, and the planning of new DEVELOPMENTS, helping the DEVELOPMENT scale worldwide. Developers would have an option, on-grid or off-grid, and so would the home-buyer and the home owner. Tech providers would have capital to scale production, entrepreneurs would clean up, what's not to like?

There are documentaries being filmed on off-grid situations, but much of the exciting technology has never been implemented in a practical, domestic setting. There are so many applied solutions, hot water systems and geothermal heat, insulation, and whatever else people have come up with, as well as zero-point, hacking-the-ether magnetic motor developments, I'm curious what develops that would be appropriate for running a washing machine. Also, I'm curious if run-off from Elon Musk's roof tiles, are safe, since that's drinking water. Special attention should be paid to ways to remove Carbon from the air, reversing centuries of C output.

The forces fighting against the switch to renewables are considerable:

- They include fossil fuel companies (ExxonMobil, Valero Energy, Chevron), energy intensive companies (BASF, ArcelorMittal, Bayer, Dow Chemical and Solvay) and electric utilities with large amounts of coal generating capacity (Southern Company, Duke Energy and American Electric Power) and of course the all-powerful Kochs..

- Also four powerful automotive manufacturers (Fiat Chrysler, Ford, BMW and Daimler). The research found the companies lobbying to delay or dilute CO2 emissions standards and procedures both in Europe and North America. The EPA is doing just that. Passenger vehicle emissions account for 12% or more of all greenhouse gas emissions.
- On the other side, 15 of the 50 most influential are pushing for an ambitious climate policy agenda, favoring renewable power and electric vehicles. They include signatories to the RE100 initiative committing to buying 100% renewable power (Apple, Ikea, Unilever, Coca Cola and Nestle) as well as power sector companies (SSE, Enel, EDF, Iberdrola and National Grid) who are shifting their business models towards low carbon electricity generation. Usually this means natural gas, which has to be fracked. Many oil companies want to provide that low-carb watt. Nestle has to off-set water-stealing, all of these efforts are some kind of atonement.

(most of this is stolen. Thanks whoever it was stolen from)

Car and gas companies are naturally as inertial as their customers, but there is a huge movement towards EV's, Fuel Cells and Algae Biodiesel. There has to be, because of changes to the cars. Soon there will be H available along with E, regular unleaded and bioDiesel at the filling station. There will also be cars passing right by the filling station, with no need for fuel.

Meanwhile Tesla and Nikola are addressing the future with electric cars and Hydrogen fuel cell long-haul trucks. Anhauser Busch (Inbev) just ordered 800 Nikola trucks.

A product that makes Hydrogen through electrolysis would have huge potential here, you could charge up at home, or make it on the fly. It only takes 2 volts to make H from H<sub>2</sub>O.

Increasing options increases freedom, though it also increases the number of decisions one has to make. Society is easily swayed by decisions being pre-made.. buy another gas vehicle, drive to where ever you need to be, near or far, buy meat for dinner... and these decisions have been made generations ago. I once heard a mother ask a child 'Coke or Pepsi?' as if those were the only choices. Certainly the average person doesn't want all their family's past habits thrown up in the air for reassessment, it means more decisions, but there is tremendous liberation in change.

## PLAN D

### Financing Carbon Capture

Generally, people should have to pay for their mess. If you put carbon in the air, you have to pay to remove it, whether you are an individual or a corporation or a government.. Toxic mine sites and damaged biomes should be repaired at the expense of the stock holders of the companies that profit on the commodity exchanges. Where your money comes from becomes a legal issue, a liability, limited liability my ass.

#### PROPOSAL FOR REMOVING ATMOSPHERIC CARBON AND HAVING OIL MONEY PHILANTHROPIES PAY FOR IT

The Astronauts of Apollo 13 made a CO2 scrubber while hurtling through space and barely able to breathe. Their situation is a metaphor for ours, but we lack the sense of urgency. Here are some modern methods for Carbon scrubbing:

The Smog Free Tower, by designer Daan Roosegaard, sucks in smog by ionization and deionization, cleans a huge amount of air.

Carbon Engineering in Calgary, Canada turns CO2 into carbonate salt in a scalable, sustainable way.

Advanced Energy Materials has created a bitumen with ultra-high surface area to absorb CO<sub>2</sub> from natural gas. Cover roads with this.

Green City Solutions has created a wall of moss to clean city air.

C-Capture in UK sequestering C from gasses.

These are some of the ways we can remove atmospheric Carbon, which desperately needs to be done before we further destabilize the delicate atmosphere in which we live and breathe, (a little late) and it can be done. But who should pay for it? Here are some thoughts on that.

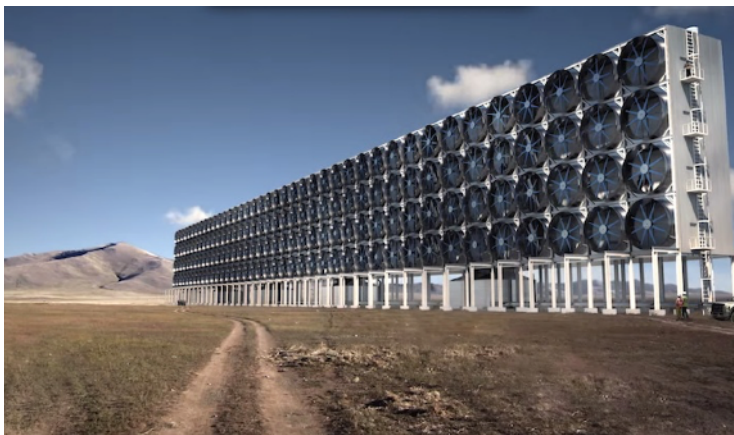
We can easily establish a one-to-one relation between petrodollars, the money on the ground, and Carbon in the sky. These petrodollars are held by sovereign funds, oil companies, oligarchs, stockholders, banks, heirs, sheiks and philanthropies. A question arises: what ethical/practical responsibility do these holders of petrodollars have for the Carbon in the sky? Should at least some tiny bit of this immeasurable wealth go towards mitigating the damage to the climate caused by atmospheric Carbon?

Probably. (said dryly)

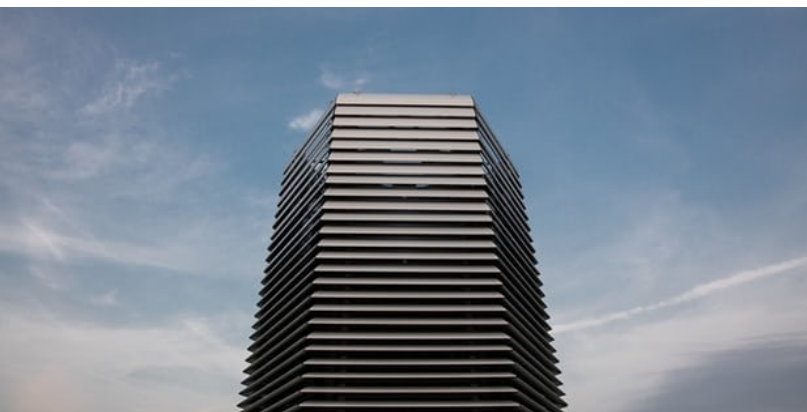
How can this mitigation happen? Well, we have to start somewhere. The philanthropies of petrodollars would be the first door to knock on.

This plan would require a proposal for Carbon-removing projects from a non-profit created for this purpose. This would include possible scenarios and projected cost. All projections would be scalable. The projections would not include land-use issues, which are varied and complex. As an example of a possible scenario, this could be done on the

the roofs of skyscrapers, or roofs in general, perhaps paired with solar arrays: Carbon scrubbing hats for the flat-topped buildings. The feasibility of that would have to be studied, also putting the bitumen on road surfaces to absorb CO<sub>2</sub> .



*Calgary*



REMOVED

THE

from the sky

Every # of carbon in the sky is a \$ on the ground

BIOCARBON ENGINEERING industrial scale reforestation, planting trees from drones. Oxfordshire, UK

CARBON FARMING SOLUTION Biodynamic methods and benefits. Eric Toensmeier. This book should be sent, in translation, to every farm on the planet.

THE SMOG-FREE TOWER Daan Roosegaarde  
Cleans 30,000 m<sup>3</sup> air /hour.

SAVORY INSTITUTE regeneration of grasslands through mammalian migrations. Alan Savory

CLIMEWORKS Zurich  
CENTER FOR NEGATIVE CARBON EMISSIONS Klaus Lackner  
CENTER FOR CARBON REMOVAL Oakland, Noah Deich

GREEN CITY SOLUTIONS Makes a moss wall that absorbs CO<sub>2</sub>. The City Tree.

[naulmia@carbonalarmclock.com](mailto:naulmia@carbonalarmclock.com)

CARBON

*my flier to the philanthropies of oil fortunes*

I've been calling this non-profit the Carbon Alarm Clock Foundation, but I haven't done anything about setting it up. It's also a **business plan**, collect money from the foundations and redirect it to Carbon Capture, collect \$200. (million)

a list of oil-money philanthropies (in progress):

Koch

Rockefeller

Getty

Sinclair

Duke

Ford

Hunt Oil

Murphy Oil

Sarah C. Getty Trust

Oil consumption is about 30 billion barrels annually. Times \$73/ barrel, that's a year's revenue of around 2.5 trillion dollars. At this point all that represents C in the sky, with not a penny going to Carbon Capture and Storage. And this doesn't include coal. This is the wealth of nations and elites, and it's all destructive to the future, it's like a they are taking out a reverse mortgage on future generations.

The 20 largest oil companies with their annual revenue in billions U.S.D.

1 Saudi Aramco	478.00
2 Sinopec	455.499
3 China National Petrol Corporation	428.62
4 PetroChina	367.982
5 Exxon Mobil	268.9
6 Royal Dutch Shell	265
7 Kuwait Petroleum Corporation	251.94
8 BP	222.8
9 Total SA	212
10 Lukoil	144.17
11 Eni	131.82
12 Valero Energy	130.84
13 Petrobras	130.00
14 Chevron Corporation	129.9
15 PDVSA	128.44
16 Pemex	117.50
17 National Iranian Oil	110.00
18 Gazprom	106.3
19 Petronas	100.74
20 China National Offshore Oil	98.53



# PLAN E

## THE PIPELINE PROJECT:

### Turning salt water into fresh water in the desert.

THE PIPELINE PROJECT reduces sea level rise and desertification, it fixes carbon, it stops the flow of oil, it makes gardens.

This would involve leasing an abandoned pipeline and converting it to carry seawater. The oil pipelines now carrying oil from the desert to the sea sometimes run out of oil to carry; perhaps one underused pipeline is available, and can be repurposed into a pipeline that carries the water from the sea to the desert. The pipes



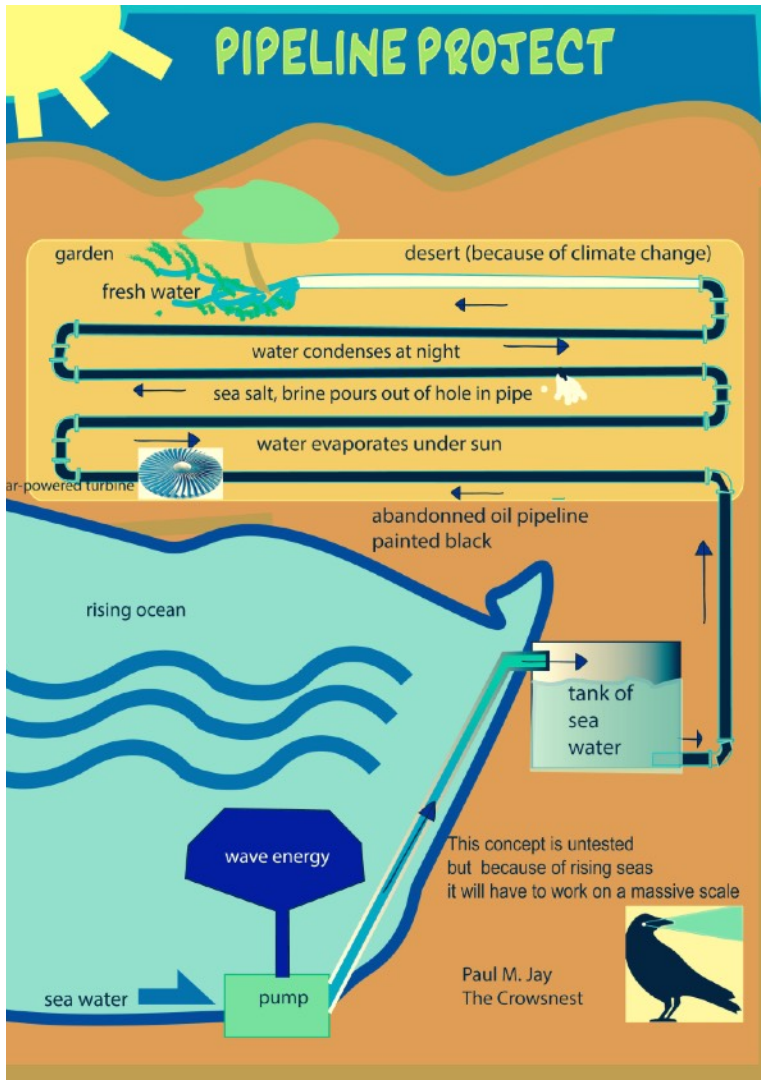
are on the surface, painted black and heated by the sun, so that by the time the water has reached the desert, it is vapor and the salt is sediment in the pipe. Small holes in the bottom of the pipe can draw the salt out of the pipe and onto the ground, the brine will stop

the vapor from escaping through the bottom hole. The water vapor would be condensed at the other end. Out comes **fresh water**.

This water would create life and perhaps some happiness, and people might see it as the way to proceed. Things would improve. The seas would continue to rise, but if this were done with all the pipelines in the world, seas might not rise as fast.

The pipe would have to be long enough for the water to take at least two days to reach the end, so that the water has a chance to vaporize and the whole system doesn't have to be shut off at night. It could be a system of **c o n d e n s i n g** , evaporating, night and day, the water desalinating each cycle as it moves down the pipe towards the desert.

Vapor doesn't have to be pumped to move uphill. The sea water would be pumped by windturbines, or wave energy (1.k.) into the pipe system. Details of the pumps and impellers would have to be explored. (A Tesla turbine running in reverse comes to mind. So does the ancient screw used by Leonardo DaVinci that raises water. However Carnegie Wave Energy seems to have solved these problems)



*how to bring water to the desert.*

This is a way to slow down sea level rise, by putting the water into the desert, making the desert habitable, preventing desertification. The plant growth will fix carbon and nitrogen.

If civilization manages to get off fossil fuels, there will be a lot of pipes lying idle in the desert. The focus must be on doing this once, successfully, proving by example, and hope that maybe it gets media coverage.

The concept relies on an alternate energy source to replace oil so that the pipelines lose their reason for being and can be repurposed to carry water instead of oil. These possibilities are examined in part one of this INDEX.

In Egyptian deserts, forests are being created from sewage from Cairo. The pipelines could be used to bring sewage to the desert as well as sea water, to create forests and gardens

Sundrop Farms in Australia takes seawater by pipeline into the desert interior where the water is desalinated and used to raise crops, without soil or pesticides. This is a variation on my pipeline project above, except that it really exists and mine doesn't.

The BUSINESS PLAN would involve buying cheap land somewhere along a desert pipeline and bringing fresh water, through the pipeline, creating a garden. The water adds value to the land and greens the desert, like bringing a train to a western town.

# PLAN F

## GRASSLAND, WETLAND AND FOREST REGENERATION:

Allan Savory and grassland regeneration <http://AfricaRISING.org> stopped desertification in Ethiopia.

Savory once ordered the killing of elephants somewhere in Africa, to prevent the destruction of the vegetation. His belated epiphany was that the elephants and vegetation need each other. The migrating herds of ruminant mammals is the healthy path for the surface of the planet, everything else sucks, especially modern agriculture..

**Paul Stamets.** Mushrooms kits that build old growth forests.

PittMoss creates peat moss substitute for horticulture out of waste paper, reducing harvesting of peat moss from wetlands. This product should be made available all over, has great properties.

This is going to be more important as the arid West of our continent moves east. The Dust Bowl was created by conditions that exist now in the corn belt, aggravated by climate change.

Ideally the migratory corridors that have been strangled by highways and interstates would have to open up and herds of ruminants brought back to the plains, which are now corn fields. The corn, ironically, is grown to feed the ruminants, which are kept in feed lots. That, as nature and Allen Savory tell us, is not the way to do it.

The typical meat-chomping truck-driving gun owner isn't going to like this, the modern world was made for 37

him. The point is to remake it for a more vegetarian, bike-riding, off-grid sort because there are at last count 7 billion of us. It is after all the American style consumerism and power consumption and entitlement that is at the root of the Carbon problem. We can't blame only Americans, it's human nature to consume everything in sight.

I was once with family members staying near a farm, and the farmer said we could pick strawberries. So we picked and there was not a strawberry left in his field. That's what humans do.



# PLAN G

The FARM helps the earth to breathe.

I'm not a farmer, couldn't grow a carrot, and wouldn't presume to tell anybody how to farm, but reading about carbon farming I had to inject this massive Carbon absorbing necessity for the immediate future into these PLANS. Much of this comes from an article in April 22 NYTimes Sunday magazine by Moises Velasquez-Manoff and The Carbon Farming Solution by Eric Toensmeier. NOT from my actual experience.

The micro farms of the DEVELOPMENT will probably not make enough food for a growing family, there will have to be farms among the houses, also open fields. This FARM would demonstrate Carbon Farming techniques. These include:

## AGROFORESTRY

Growing trees and crops and livestock together.

## NO-TILL

Leaving decaying plants on the ground. This acts to suppress weeds, so less herbicide is needed. This combined with composting techniques and ruminants to eat the warm weather cover crops that are left to grow, and voila, Carbon Farming and the future go together.

As much farmland as can stay covered the better, to prevent erosion, to absorb rainwater, to tamp the carbon down. Scaling the FARM requires finding the appropriate crops for the local climates, keeping in mind climate change, rising sea levels, but this could help prevent desertification..

The FARM could provide local kids with employment and education, so that they carry with them into the world Carbon farming techniques and a respect for functional physical activity. It sounds like the Mormons, I know, but soon spreading Carbon farming around the world will be a thing.

How else can Syria be brought back to life? This general transformation should be catalyzed by non-profits and NGO's armed with nice illustrated books explaining Carbon Farming and amply funded by the philanthropies of CARbobucks.

## COMPOSTING

All food waste, from restaurants and businesses and houses, would be composted. This requires aeration, so a nice composter is important equipment.

Newspapers each day are produced by the truckload and discarded as paper waste. These should go into the family composter with all the kitchen waste and a quart of urine.

A composter hooked up to a solar panel and a motor could be self-tending and provide compost for the micro farms and the FARM itself. Product idea! (Zera recycler doesn't need a plug. \$1000)

I think you can sell compost. Another product idea!

## AQUACULTURE

Let me get this straight.. the fish in the tanks create ammonia waste that the plants, growing on top of the tank, feed on.

Leroy Seafood in Norway does this on an industrial scale.

It's worth noting that if CO2 levels spike, the plants grown outdoors in the fields may not have enough nutrition to sustain humans, plus they will be toxic since the weeds grow faster also and the demand for herbicides and pesticides grows. Growing food indoors with higher oxygen levels may become a necessity. In which case one might as well live in a garden (the HOUSE).

Boston Hospital grows 15,000 lbs of food on it's roof, on 7,000 sq. feet. Including 2 bee colonies.

Pablo Tiltonell - Feeding the world with Agroecology. Waste is a modern invention

Biodynamic farming (Rudolf Steiner) is definitely part of this conversation. There are opinions about compost.

## PLAN H

### The BAG: Replacing plastic bags and single-use plastics with plant-based materials.

With many municipalities, entire countries even, prohibiting single-use plastic, a primo business opportunity reveals itself: selling single-use plant-based, biodegradable bags and straws and plates and take-out containers and utensils. The need is still there, and with the new products in circulation more bans on plastic can take effect, meaning an ever-growing business. The following companies have made breakthroughs.

\*Power Clouds

\*Leaf Republic

\*Via Verde OXO-BIODEGRADABLE PLASTICS FEDERATION

\*All packaging should be biodegradable. Willow ridge Biodegradable.

\*Kevin Kumala's Avani in Bali makes bags from Cassava that are biodegradable and edible and can replace plastic bags.  
<http://avanionline.myshopify.com>

\*Ari Jonsson in Iceland created a substitute for a plastic bottle with algae, it retains its shape as long as it is filled with water, then degrades into organic elements.

\*A team led by Dr. Antoine Buchard at the U. of Bath has developed polycarbonates from sugar and CO<sub>2</sub>. Totally safe and cheap and degradable, replacing hydro-carbons in the manufacture of plastic bottles.

Entering the market would be a slog, going from Chinese restaurant to Indian restaurant to drug store to sign up the clients, so this can be avoided by going to the current distributors of single-use plastics and selling them on a plant-based degradable products. What is required here is research and experimentation to find the best, most scalable way to do it, so that the investor is on the manufacturing side, solving production problems and then accessing the pre-existing distribution networks.

It's impossible to say anything more about manufacturing a fork out of cassava or sugar, in the kinds of volume to replace plastics, but whoever does it first can be assured a large, hungry market.

This demand could easily cause the destruction of rain forests to grow the plants, as happens with palm oil and other commodities. So Carbon farming techniques will have to be deployed. The growing, the end use of the product and the composting should be done at the same general locale, near the farm where the dirt ends up rather than moving everything around the globe, but that is unlikely to happen. Unless! Growing the plants becomes another revenue source for the HOUSE, which also makes the compost from the waste. This leaves out a few steps, processing, manufacturing, packaging, etc. but surely there are practical solutions.

In this scenario, single-use waste becomes a huge Carbon sink instead of a massive source of pollution.

How many plastic straws and forks and spoons and knives does McDonald's, or any franchise, go through? If someone made them a decent offer on plant-based single-use, that might be tempting to one or two members of the board. If New York City bans the plastic straws, there will have to be an alternative at some price point. The entrepreneur would need a source of plants and a manufacturing facility. Maybe the plants could grow on the roof of the manufacturing facility. Naw. Solar panels on the roof.

Aquaponics might be a good way to grow the plants. It's scalable, can be done in a lake, harbor. I can see a conflict with private property interests, especially on the shore, but there's a million lakes in Minnesota. Buy a lake, grow plants for plant based single-use manufacturing. Make it fish and bird edible, cause that's who's going to eventually eat it. This plan fixes Carbon and gets a lucky entrepreneur rich.

## PLAN I

### The BODY:

The lymphatic system doesn't have a pump. What this means is that you, a migrating mammal, over-mechanized your life, failed as a mammal to preserve your grazing rights through dining and defecation and a constant change of venue, which would have kept the prairie grass in optimum health throughout the savannas, your organs clean, species strong.

No, we had to evolve and devolve. What we've done is plunked ourself down in a passenger jet seat as a nod to our migratory instincts. And by doing so cursed our species to an untimely extinction, because what we do everybody does, including me and the reader and everybody not reading this, this is what we do. We possess everything we can, while making everything unphysical. (Before we figured out free energy, so this unphysical motion is brought to you through the combustion of materials).

So what can be done? Get a bike, de-mechanize local transportation. Only fat slobs need a truck to take them to the Stop and Shop, chucking empty Bud-lite cans out the window.. You can make the trip while cleaning your brain and your liver, on a bike with a few baskets, front and back. Mow the lawn. There's nothing finer than useful physical activity.

And if you don't like strenuous activity get an electric bike, though the whole point is to be able to climb the hill with your own strength. Demechanize! Kayak not motorboat. Cross-country ski instead of skimobile through pristine winter woods. This point of view is not represented in the cultures of America, though college-types are enjoying the physical life-style. They have to, cause we consume so much sugar if we don't burn it we'll get sick. And that's a whole other subject.

My dad was an avid outdoorsman, addicted to the wilderness, and though I've turned into a lazy guy in front of a computer, deep inside me is a jolly fellow in a canoe looking for a campsite. Sailing expeditions are more memorable the more emergency physical exertion was required, usually due to something really stupid involving a ripped sail or a sandbar and a lot of wind. I can't think of a business plan for this, but it's a great life plan. Only mechanize if you really have to. Get physical, exertion is liberating, catching the wind is thrilling. Sitting on a motor yacht leaving smaller boats floundering in your huge wake, the poor sailors violently rocking, choking on the exhaust, this is a problem. I wrote a book about gas addiction on Long Island: 'Walking, a step by step approach to saving the planet and ourselves'. Available on Kindle.

We all have to figure out how to take more Carbon (and other garbage) out of the air than we put in during a lifetime of driving and motor-boating and flying all over the place. This balancing can be done as a financial plan, that's what we're looking at here. I feel terrible about all the crap I put in the air with the old skashabang cars I tend to drive. That's why I'm working on these problems. GUILT and REDEMPTION.

One goal here is to create anxiety about burning gas and eating meat and being a conduit for plastic waste. Ideally people would gag before committing these sins, but we all do it as the normal course of a normal life. Alternatives have to be made available, so people know they are making a choice. Providing the alternative choices could be very lucrative..

## PLAN J

### The LOCOMOTIVE:

Wouldn't it be great to replace Diesel motors with a power source that solves the ultimate off-grid power problem..the off-grid, nonelectric train (or the boat, or a space ship). If a replacement had to be found, Manhattan Project-style, it would be found. Maybe the motors can burn Hydrogen instead of Diesel, maybe that Hydrogen would be produced on the spot by power from one of these over-unity engines.

Exxon is working on bioDiesel from algae, which could fuel the same engines, but that is still the combustion of materials. Maybe the SunCell will be real and functional, producing DC power all day long. Or maybe all the Carbon could be captured at the exhaust and turned into something that can be buried deep in the ground where it came from. OR maybe do what the Germans do, what Nikola could do, run the trains on Hydrogen fuel cells. Like the HOUSE, the LOCOMOTIVE has to go through a demonstration phase so that the options are kept track of and compared and notes taken.

Armed with this information, a manufacturer could clean up, selling locomotive solutions all over the world. But the first customer should be the Long Island Railroad, to run the single-track branch lines. I hope they keep the horns, though. I love that melancholy/ triumphant sound. The Diesel fumes, not so much.

'Carbon neutral', they say about a algae bioDiesel solution. I would be more impressed if they captured the Carbon, which is possible. That would make the trains, which run all day and night year round, Carbon negative, a net sink for CO2.

I don't know who the vender is for the Diesel fuel that powers the LIRR branch lines all day long. I guaranty that it is a big company throwing around a lot of money. If Exxon is serious about making fuel from algae, and the trains ran on that, that would be Carbon neutral, in theory, but with Carbon capture at the exhaust, the trains would be taking some stuff out of the air that they've been putting in for centuries. It seems clear from this that Nikola could expand into LOCOMOTIVE production powered by a fuel cell, but also that algae biofuel and Carbon capture, using the same engines, would require installing some equipment and that's all, maybe a separate car behind the locomotive for Carbon capture, and voila we have a huge Carbon sink. A patent that does that would be worth a lot of jingle.

So now the issue becomes Carbon capture of Diesel exhaust. Not very sexy, but it seems a great way to remove Carbon from the sky is to create fuel from algae, and to capture the Carbon coming out of the exhaust, so that **all day long all those trains are taking C out of the sky instead of putting it in.**

So that would be an assignment for the scientists and engineers gathered round their monitors looking for breakthroughs. Find a way, using all the research from everywhere, to capture C at the exhaust and turn it into something that can be buried, without adding much to the price of a ticket to Hempstead or Riverhead.

Or find a way to create Hydrogen fuel for the Diesels, that captures Carbon.

I feel that I'm the only person worried about this, and that apathy pretty much guarantees the status quo, which is lots of Carbon in the bright blue sky and the rapid deterioration of a lovely planet. But as with the HOUSE, the TRAIN has to undergo a transformation., and it is in transition that fortunes are made. This has a name, CCS, Carbon Capture and Storage, which I will keep an eye on, especially what Exxon has in mind. The whole point of this book was to destroy Exxon, but it's possible that they can provide solutions, like algae bioDiesel with Carbon capture.

If Exxon supplies the fuel, the hardware is still needed. An extra RR car that captures C from the exhaust from combustion of biofuels, paid for by a Carbon tax, the Carbon buried in the ground. Right there is a cluster of business opportunities. C-Capture in UK is ahead on this technology.

## PLAN K

### The KOCHS:

A big reason for the massive inertia holding us back from switching to renewables is the libertarian Right, which tends towards denial, calling Climate Change a 'hoax', 'there's no evidence', 'the climate scientists are corrupt', 'the climate is always changing', 'CO2 is good for the planet', 'alarmists are all communist pigs'... I'm always arguing with them on line, madly replying to one post after another..

'because the climate changes doesn't mean we aren't changing it' 'if it's a hoax it must be easy to disprove in peer review. go for it.' 'entomologists are much more corrupt than climatologists', 'how can you tell if a pig is communist?'

These liars represent, usually work for, the OIL ECONOMIES which is what we share with Russia and Venezuela and Saudi Arabia, Iran etc., trying to protect a business model. But the business plans here could counteract these trolling nuisances. If we don't invest in a renewable future our economy will go the way of Venezuela's. I'm really worried about Russia.. they're going all in on HydroCarbons, like Trump wants to do. Total idiocy.

These bad boys, Dave and Charlie, have to be sued for lying to the American people about climate change. Exxon is getting sued, and just because Koch Industries is privately held doesn't mean there isn't a humongous law suit against their deceiving, treacherous think tanks that kick out garbage on social media. You literally cannot tell if a troll works for the Russians or the Kochs.

Libertarian ideology involves drilling anywhere there's oil, piping anywhere a leaky pipe can be laid, refining in Houston, which has a flooding problem, and burning the stuff, filling the sky with C in one form or another. Any collateral damage to the planet or the social fabric is a necessary evil. Luckily renewable energy is going to bring down this toxic empire called Koch Industries. Losing a law suit would get many politicians in the Koch stable worried, since that could be brought against them in a campaign. Their propaganda has been so effective that most Republicans think climate change is a hoax, and even if the Kochs lose a law suit they won't change their minds about that. These people don't let facts stand in the way of certainty, and they control both Houses of Congress and the White House.. for now.

So the business plan here is to sue the Kochs, collect \$200. As in millions, as a percentage of the awards. After all this propaganda is a cause and consequence of atmospheric Carbon and if litigation is what it takes to stop it, hopefully a bunch of kids will file a grievance.

Koch outlets: Enterprise Institute, Heartland Institute, Heritage Foundation, Cato Institute, Americans for Prosperity... They've all been lying about climate change for a long time. They just got tax 'reform' (tax breaks for the 1%) through both Houses, showing us how many politicians they own.

## PLAN L

### The CAR:

Imagine a car sitting in the sun all day at the train station or in the drive, it could be charging up instead of wasting all that good sun energy. So my dream car would have a PV skin and a nice row of deep cycle batteries and be fairly light and cheap.

I don't know the numbers, but obviously the longer the car is exposed to sunlight, the more charge it will have, though this might not be the best solution for a busy mom, or somebody who spends their day on the road, but for us who seldom use a car, or only go short distances, this would be a great way to cut down our C footprint.

So a business person could manufacture and sell that car and it would probably be very popular and profitable. A PV sub-compact.

After all they have built boats and planes powered by PV, so a sub-compact doesn't seem such a stretch. The filling stations will all have charging plugs, so the car could be used all day long, but otherwise it would be using free energy.

It's a lovely idea, it out Elons Elon, who wouldn't be excited about a car company?

The batteries could also be put in the trunk of a normal car, with a pv panel on the roof. The batteries could provide H to the fuel stream through electrolysis of water, improving the efficiency of the engine and improving the gas mileage. You could do this with all those Diesels that VW had to recall.

I should be speaking from experience here, will try this on the the old ('82) Benz TD, maybe tweak an Autotune system.

## **CONCLUSIONS and DISCLAIMER::**

Whether off-grid is the way forward is not a proven concept, but considering the grand mistake made at the creation of the grid, a beast that requires thousands of times more energy than can be provided by Hydro-electric turbines, getting off the beast certainly suppresses its appetite. Living on the grid is not a natural thing, it's not an instinct, or dictated any more by necessity, and efforts to feed it with renewable energy has had many downsides. Civilization came to us off-grid, maybe the power grid is an error that we can wean off with the right effort.

Profiting from this transformation takes the same kind of thinking that caused Steve Jobs to wonder if his technology could take over everything: movies, TV, telephone, music, photography.. Jobs created a new world that worked better, that I live in as I sit at my MacMini all day long (I'm writing and formatting this in Pages). Now if I could power this machine myself, using sun, wind, even my own efforts on a bike running an alternator, on battery systems instead of metered grid-power from aging nuclear plants and polluting coal burners.. my daily use of electricity would no longer subsidize these dinosaurs.

This is a book of fiction that hopes to become non-fiction, in that it describes things that will exist, rather than what currently exists. In a sense, what I describe did exist until recently, so this is also a history book, an odd combination. It's also not finished (you noticed?).. it's a continual work in progress.

The book addresses businesspeople and entrepreneurs, making clear I'm not one. By the same token, business and finance people are not me, they're all trying to make money while I'm just trying to figure things out. A while ago I discovered this knack for figuring things out, so I took on this task, feeling in my emotional architecture the grasping need to solve the Carbon problem, which meant I had to find sources of income other than this project. It needs more time and energy than I'm giving it. But the business world now has some ideas to play with, if it's interested.

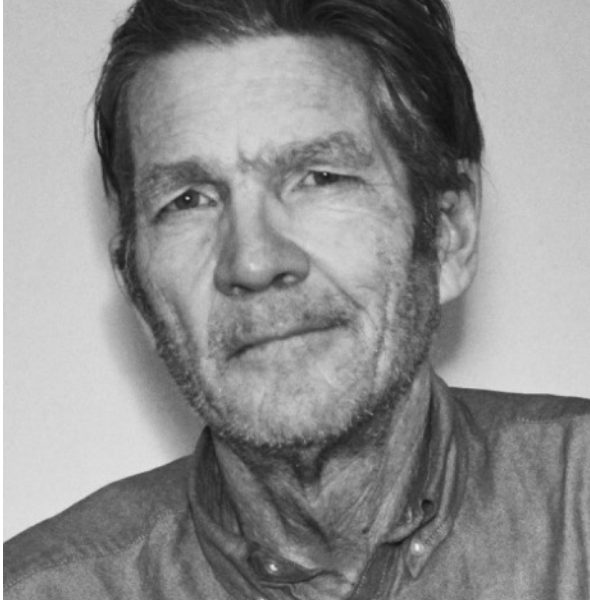
I don't see how we can make it without these hacks to the way we live. I can't wait to go off-grid. It'll be like living on a boat without an engine, which is fine if the boat isn't going anywhere (I have a sail boat with a pair of oars for back-up power). With global warming and sea level rise, this HOUSE might have to sit on a barge, moored to what once was lawn.

And right there is another business plan (I haven't been counting, in spite of this book's title): putting a HOUSE on a BARGE. Barge communities along rivers.. hmm. 54

## **Origin of the INDEX and BUSINESS PLANS:**

I'm always writing little books that don't get published, except on Amazon, and ten years ago wrote a book on walking, ('WALKING, a step by step approach to saving the planet and ourselves..' Kindle) about how we've over-mechanized our lives and there is no longer a connection between function and physical activity. I sold 2 copies to friend John, a Rockefeller heir, since it condemned our oil addiction and I thought he might have thoughts on that, particularly about what responsibility the heirs to oil fortunes had for the carbon in the atmosphere. Of course he was just annoyed and changed his email address, but then I got to thinking, what if he agreed with me, what would that mean? What beneficial actions could he take?

So I started to compile the INDEX, with the idea that philanthropies, particularly of oil fortunes, could use it to address the problems of atmospheric C. Soon it was evident that there was no value in a business plan that required the Rockefeller Foundation to do what I suggested, and philanthropies are not going to bring down the oil companies, their patrons, so the INDEX was re-conceived as the basis for an ETF and a catalog of free energy devices, and eventually to the EMERGENCY & BUSINESS PLANS. These plans would let investors and entrepreneurs participate in a transition out of fossil fuels and benefit from it. And that's as far as I have gotten. Any implementation is fraught with impossible tasks that cannot be accomplished alone sitting in a desk chair and easily distracted by a collection of guitars. But I can see these plans happening and being a part of it.



*Paul M Jay during his Earthstay  
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Paul Jay books:

'Walking, a step by step approach to saving the planet and ourselves' on Kindle  
about gas addiction on Long Island.

'The Founders, American/family history'  
on Kindle About the heads of the original colonies  
and their relationships, where our country comes from.

'Galloping Chestnuts' songs on ReverbNation Paul  
Jay Activity

'Dr. Bockerknick's Santology'  
a Christmas Musical based on the poem 'A Visit from  
Saint Nicholas' not by Clement Clarke Moore

Nikkormat Weekends and Hasseblad Nights  
a photo bio from the 70's 80's 90's

“Saving the world for fun and profit!”

SWJ

“A collection of great ideas for the next  
J.D. Rockefeller or Bill Gates.”

JCD