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“The Harris Release. Rapid Biomass and Carbon Gasification for Electricity and Vehicle Fuel”

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This document and any updates to it are available on www.USH2.com/gasification.htm
Supporting documents, Q&A, photos, video and the information form will be on this link.

This is probably the most important thing about energy you'll hear about in the next 20 years. Roy McAlister and Steven Harris are going to have a release information on the subject of energy production via gasification. It will change the way you look at power and it will be bigger than the 'fuel cell' hysteria of the late 90's. This will be made available to the 'public' in less than 2 years, 1 year if I do it right, and it'll be available in the end for free. First, please indulge me with a few paragraphs of background.

Roy McAlister is one of the most intelligent and kind persons on the planet. In my expertise, he should win the Nobel Prize in Physics, Chemistry and Peace. He's had more fantastic ground breaking inventions and developments than you could imagine. The PSI injector for example. It makes running a car on gaseous fuel or liquid fuel so simple. It's over 30 years old, everyone wants one, no one wants to invest and make them. Same goes with my stuff, I've hit the same brick wall all my inventive life. I could have Jesus next to me, standing on water with boxes of bottles and a sign that says, “Wine for Sale, Cheap” and there would not be any interest. In the field of intellectual property there is always one lawyer or paper pusher or accountant or some incompetent in every company involved in every licensing agreement, every patent or every product that just stands up and says, “NO.” and grid locks the whole process. People like to empower themselves by making everyone else stop.

(see www.USH2.com/gasification.htm for a list of books and DVDs that Roy and Steve have done)

(last paragraph of indulgence...)

So a few years ago I called Roy and said, “ I HAVE HAD IT”. I've had it with the idiots, the politics, the venture capitalists, the angle investors, the corporate licensing etc.. I said I was going to start a company to make the money that we need for our R&D and projects. So I started KnowledgePublications.com and I started it in my basement with a 16 page book I wrote and a Canon S450 ink jet printer and a quart of ink. This is the book that became our best seller, “Sunshine to Dollars.” Now we have 70+ Books and DVDs on All Things Energy; Hydrogen, Solar, Biomass, Wind etc... We have 10,500 square feet for our office and research lab and I've played CEO and R&D engineer for the last few years. We either write / produce the book or DVD or we license the content

from the author. We print all of our books and we distribute / ship all of our books all around the world. The business does fine but its time for me to stop leading the book business and to get back into R&D full time. My #1 employee can run it fine and we'll continue to add books to the collection. Our last 3 years of R&D has paid off and we are going to make sure it pays off for you and all of the people who have made this possible through your patronage of our books and DVDs.

KnowledgePublications.com has probably the finest collection of biomass gasification books you'll find in any one spot on the planet. These are called HGG Volumes 1 to 10. (we have the books on the link above) The reason we have this is because one of my (Steven Harris) areas of expertise is in the conversion of biomass (straw, corn stalks, cow manure, wood chips etc...) to a gas that is mostly hydrogen and carbon monoxide. This is also called 'syn gas' which is H₂ and CO. This technology is over 100 years old. Gasification of wood or coal made the hydrogen that ran the first internal combustion engines before 1900. The difference today is we have much better material science. We also have computer control and we have had other advancements that make the chemistry so very much easier. I have 'simplified' the technology by a factor of about 50. It can run 50 times smaller, 50 times faster, 50 times easier than it did in the past. Believe me... I've made LOTS and LOTS of the 'older' gasification units over the last 12 years. I can run the gas generation reaction now in a unit the size of a soda can where as in the past the smallest unit would be about the size of three or four 55 gallon drums. The "enabling technology" that allows this to happen is so 'off the shelf' that it's not only mass manufactured but its on the surplus and scrap market. Its cheap, highly reliable and it works wonderfully.

The unit is operational and running right now and it is gasifying wood products, such as wood chips, into syn gas and that gas has run my generator (see our youtube videos, use the links above) and that generator has more then powered the whole process plus compressed the extra gas into storage tanks and I've run that gas back into the generator and into our multifuel pickup truck. So if sunshine has made it (corn cobs, straw, grass, leaves, trees, cotton burrs etc..) then it can be quickly and easily converted into a gaseous fuel that will make electricity, run your gaseous fuel vehicle or it can be used for heating, cooking or illumination. It does this in minutes and hours and NOT in days and weeks (like a methane digester). I'm in the process of doing durability testing on the unit now, seeing how many hours it can run without stopping. It'll be to the point soon where it's running for days unattended but right now the record is 12 hours. I'll break 24 hours in the next few weeks.

For remote places, like the northern woods of Canada and Alaska, you can take wood and brush and you can make electricity (electricity can cost from \$0.50 to \$1.00 a Kwh in remote locations) and you can make gaseous fuel for your snow mobile or quad or pickup truck. For large scale commercial power production the real advantage of the unit is that it can run on coal or peat or any other carbon / hydrocarbon fuel. Right now I am about to test it on a whole variety of coals to see how well it works and I am putting to put a sulfur scrubber on it for the coal. The unit can probably run on the 'tar sands'

of Canada directly. Imagine, from coal or crude oil or tar sands or shale directly to an engine directly spinning a generator. No boiler and steam turbine needed. The engine can be internal combustion or external combustion (a jet engine). All of this is possible, on a 1000's of megawatt scale with off the shelf mass manufactured technology we have today. Roy and Steve have already done the numbers to show this and this can be done a LOT faster and with a higher return on investment than the Picken Plan of wind mills. I like Pickens, I like his plan. It's good and we should do it but this is faster and quicker and it makes fuel directly for a vehicle.

This is not the 'best' technology that Roy and Steve have. We have much more and this gasification system is an adjunct to stuff we have already worked on. I'm in my 40's and Roy is in his 60's and its time for us to go to Kansas and to start doing our very very large scale solar energy systems that this country needs. On everything we are doing, we do not want any investors, nor partners nor anything else. It all has been done with and will continue to be done with ZERO government funds, grants, partnerships etc... Go back and read about the PAIN we've gone through and you'll understand. We are NOT going to patent and lock up the technology but we are going to come as close to 'giving it away' as you could think of.

Billions of dollars in government funding for 'renewables' is stupid. Nixon Failed, so did Ford, Carter, Regan, Bush, Clinton/Gore, G.W Bush and Obama/Biden 2008 and Palin/Rice 2016 will fail on it as well. Billions of dollars in funding makes products and results that cost millions of dollars. Can you afford a million dollar product? Millions of dollars in funding makes products that cost thousands of dollars. Can you afford something that costs thousands of dollars? Most people can, its called a car. So the public should be able to afford personal gasification systems. Right now people pay thousands of dollars for an outdoor wood furnace just to heat their house with wood.

Roy and I need about 10 million dollars for our next major energy project so that's the starting price for the gasification technology but there's a twist. Gates, Allen, Pickens, Buffet, Cramer, Oprah, Cuban etc... any person or company that wants to provide the \$10 million fee will name the system and we will make it free and available to the world. Yup, we'll publish it on the front page of the Wall Street Journal and Google.com The gasification technology is NOT available for sale. It will be made available to everyone one way or another. Everything will be handled by a top accounting and legal firm. The entity or company will have full vetting ability and can bring as many scientists, chemists and engineers they like to validate an operating system with Roy McAlister and Steven Harris.

If the above method fails then we'll move to phase 2. Lets call the current system version 1.0. Version 1.0 works fine. A company really needs to take version 1.0 and develop version 2.0 for sale to the public. Version 2.0 would run for a week without attention, cost a few thousand dollars to the customer etc... The third generation unit, Version 3.0 could literally be a few hundred dollar consumer item for sale at Home Depot. So phase 2 is us looking for the company and people that want to take

this to version 2.0 and sell it to the public and industry. I'm not going to do it, Roy and I are starting the solar project in Kansas. DR Power Equipment, Coleman, John Deere etc... are a couple off companies that come to mind as being suited for the job. However there are always people out there looking for a good investment / business as a start up. Half.com and YouTube.com are excellent examples of whole new ideas being birthed to and quickly launched.

Phase 2 is SIMPLE: We'll have a class where you can put together a complete unit, operate it, compress the gas, run a generator etc... plus we'll go over the full chemistry, thermodynamics, details, different configurations and possibilities. Yes you'll take everything back to your company with you.

We'll have a class for 1 entity for a cost of \$10,000,000. They now have the 'head start' on everyone else. This might be a 3 to 6 month head start.

Then we'll have a class for 4 entities for \$2,500,000. These 4 now have a head start on everyone else.

Then there will be a class for 10 entities for \$1,000,000

Then there will be a class for 40 entities at \$250,000

Then there will be a class for 100 entities at \$100,000

Then there will be a class for 400 entities at \$25,000

Then there will be a class for 1000 entities at \$10,000

Classes and/or books/DVDs will then be available for \$5000, \$2500, \$1000, \$500, \$250 and \$100 and then for free within about 2 years.

Someone else can make the 100 million, or 1 billion+ dollars over the next 10 years. We just want the initial millions to do our next project. That is why the higher paying companies get the head start. They will have the advantage and be the first to the market AND they have to produce results because if they don't the people coming up behind them will beat them to market. What could be better than making the energy field as competitive as the software market. The class participants buy time and advantage but not the technology. The technology will be made available to everyone. Our philosophy is that we might as well 'sell' the technology for just a bit cheaper than it will take someone to steal it. Google has become a billion dollar company by making information and knowledge on the Internet more available and more free for everyone. Roy and Steve intend to do the same thing with energy. More energy more available at a lower price to more people everyday. Thanks for the idea Google. :)

Someone will start out at one of the dollar levels above. We might not have any \$10 million, or \$1 million class sales... if the best offer we get is multiple people at \$250,000 then that is where we will start.

I still have another few months of work to do on the gasification unit plus I'm still writing the Natural Gas Fueling Book, plus I'm still running the book business so in the mean time while I'm doing this I need to know WHERE YOU, our customers, our interested in the gasification technology. YOUR INPUT has helped me GREATLY with the natural gas book I'm writing. I've changed a lot of things just because of you. Now I'm asking you to help me with the gasification technology. Yes, you'll be able to say, "I want to come to the \$1000 class" or you can tell me that you can't afford it until its free or you can be one of the people or companies in the higher dollar class. We have plenty of options for your feedback and comments.

At www.USH2.com/gasification.htm you will find a link to a form that you can fill out. You can tell us your area and level of interest and I'll be reading your comments and selections. This is how you get in touch with us, through the form at www.USH2.com/gasification.htm

To the 73,000+ People who I have emailed this document to, thank you for being a customer of ours and thank you for having interest in our products. We could not of done it without you and we are not going to do our future projects without you as well.

All my Best.

Steven Harris

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