

## NEW ENERGY INVENTIONS

(First Addressing issues paper 4: Research and Development; Low Emission Energy Technologies)

### Loris Erik Kent Hemlof submission to the Garnaut Climate Change Review

100+ BREAKTHROUGH CONSTANT, MOBILE, INFINITE ENDURANCE, EMISSION FREE, FREE TO RUN; ENERGY INVENTIONS. Perfect for military long range transport such as submarines and aircraft, Also cars and long haul cargo and mass transit transport such as buses, trains, and ships, Also for satellite and space exploration vehicles, Also for mains power stations, desalination, irrigation, and water pumping, Also for homes, Also for portable electronic devices such as androids, mp3 players, radio, mobile phones, or laptop computers, or any other device needing free to run, infinite endurance, independent power.

An energy technologies web page updated by me [ Loris Erik Kent Hemlof ] is posted to <http://www.users.on.net/~lekh/free.html> ;  
2008 March 18th.

At most 10% are scams, and at least 90% are valid.

Top 10 inventions.

1-Perendev. Free electricity,

<http://perendev-power.com/emot300.htm>

2-Steven Mark. Toroid [Donut] Coil free electricity,

[http://peswiki.com/index.php/Directory:Steve Marks Toroid Generator#Update on Status](http://peswiki.com/index.php/Directory:Steve_Marks_Toroid_Generator#Update_on_Status)

<http://www.users.on.net/~lekh/endgame.pdf>

<http://www.users.on.net/~lekh/thetpu.pdf>

<http://www.users.on.net/~lekh/stevenmark.html>

<http://www.overunity.com/index.php/board,49.0.html>

3-Searl Effect- Free energy,

<http://www.searlsolution.com/>

4-Potomac Energy Projects

[http://peswiki.com/index.php/Directory:Potomac Energy Projects, LLC](http://peswiki.com/index.php/Directory:Potomac_Energy_Projects,_LLC)

5-TransWorld Energy. Resonance Energy Coil. Free electricity,

<http://www.altenergy-pro.com/device09-2.htm>

<http://www.users.on.net/~lekh/TransWorld.html>

6-Akoil. Free energy,

<http://akoil.ru/en/products/psonair/>

7-SuperMag. Magnet motor, Free energy

<http://www.supermag.biz/index.html>

8-Hypower Fuel. Free hydrogen from water on demand.

<http://www.hypowerfuel.com/home.html>

9-Magnetic Power Inc. Free electricity,

<http://magneticpowerinc.com/>

10-Electromagnetic Radiation Receiver; Free electricity.

<http://video.google.com/videoplay?docid=-635987818295327978>

<http://video.google.com/videoplay?docid=-4298347669641896403>

[http://peswiki.com/index.php/Directory:Elemental Rod Generator](http://peswiki.com/index.php/Directory:Elemental_Rod_Generator)

Australia based inventors;

Lutec. Magnet Motor

<http://www.lutec.com.au/>

Cyclone. Magnet Motor.

<http://www.cyclone.com/>

Super efficient electrical electrolysis. Converts water into hydrogen and oxygen on demand. Such as to power vehicles with hydrogen and oxygen stored on board as water. A highly efficient electrolysis process to produce 1 litre / 0.26 gallons of hydrogen per 1 watt hour. When a water mist is hit with its own molecular resonant frequency of electricity in pulses, [ various frequencies reported ] of 10 to 250khz range in particular 620hz, 630hz, 12khz, and 42.8 kilohertz of about 40 kilovolts at around one milliampere {40watts}, its component elements disassociated into 1 parts hydrogen and 2 part oxygen gas. Also a capacitor plates spaced 5 millimeters apart can have "breakdown" at 149.76 kilovolts with the pulse width should be an average of .144 microseconds a frequency of 9.94 megahertz. Produces about 20 times as much hydrogen and oxygen as normal electrolysis. [Discovery by Dr. Andrija Puharich, Yul Brown, Archie Blue, Stanley Meyer, Xogen Power inc, and Hypower Fuel.]

<http://www.hypowerfuel.com/home.html>

<http://merlib.org/files/pgfed/PART30.pdf>

<http://www.waterfuelcell.org/index.html>

<http://www.zpenergy.com/modules.php?name=News&file=print&sid=584>

<http://www.youtube.com/watch?v=L6yRn4lAsrU>

<http://www.youtube.com/watch?v=UVhXrvCCILw>

<http://waterpoweredcar.com/archiepatents.pdf>

<http://waterpoweredcar.com/pdf.files/egas-calculations.pdf>

<http://www.hydrogenpowernow.homestead.com/>

<http://www.zpenergy.com/modules.php?name=News&file=article&sid=470>

<http://www.xogentechnologies.ca/>

Alternative Energy Corporation. Catalytic production of hydrogen and oxygen from water. Zero energy catalytic process for conversion of water into hydrogen and oxygen on demand.

<http://www.cleanwatts.com/technology/default.asp>

Plasma electrolysis reactor, Super efficient electrical electrolysis of water into hydrogen and oxygen. Using a plasma to achieve 10x more hydrogen than is used to make the plasma. Produces a 1900 fold reduction in input energy. Based on the photosynthesis process and pulses.

<http://guns.connect.fi/innoplaza/energy/story/Kanarev/electrolysis/index.html>

<http://guns.connect.fi/innoplaza/energy/story/Kanarev/>

GIFNET : In the MAHG, H<sub>2</sub> hydrogen is dissociated into H atoms and recombined, which creates excess heat used to generate electricity. The Hydrogen is recycled over and over again with no Hydrogen consumption other than the recycled initial quantity input into the system.

<http://www.gifnet.org/> <http://www.peswiki.com/index.php/Directory:GIFNET>

Akvo Energy; Hydrogen From Water.

[http://peswiki.com/index.php/Directory:Akvo Energy America%27s Hydrogen Generator](http://peswiki.com/index.php/Directory:Akvo_Energy_America%27s_Hydrogen_Generator)

G.E.M. Technologies; G.E.M Machine and Omega Energy Cell.

[http://peswiki.com/index.php/Directory:G.E.M. Technologies Omega Energy Cell](http://peswiki.com/index.php/Directory:G.E.M._Technologies_Omega_Energy_Cell)

<http://omegaenergycell.com/index2.html>

Biosfuel ; a small amount of additive is added to 60% water and 40% waste oil to convert water into a combustion fuel. <http://www.biosmeanslife.com/solution.html>

Gardner Watts Thermal Energy Cell. 100X the hydrogen and heat output of the electricity input.

<http://freeenergynews.com/Directory/Organizations/GardnerWatts/index.html>

Millennium Cell: [ not free energy ] Boron based process for conversion of sodium borohydride made from the common resource borax into hydrogen and oxygen on demand. By passing solutions through a chamber containing a proprietary catalyst.

<http://www.millenniumcell.com/fw/main/Home-1.html>

Blacklight effect generator [ more energy from hydrogen fuel ]

Molecular hydrogen is dissociated into atomic hydrogen in the cell by a hot metal catalyst, or a glow discharge plasma, or a microwave plasma. Another gaseous catalyst is formed from heating potassium metal to form atomic potassium or by ionizing helium, This catalyst releases energy from hydrogen as hydrogen atom electrons are induced to drop to lower orbits around the hydrogen atoms nucleus, to producing hydrino compounds, with great intensification of the plasma (a hot ionized glowing gas). Another process converts the plasma into electricity, two electrodes are placed into the plasma, one is subjected to a strong magnetic field, which prevents negatively charged electrons from reaching it, only positively charged ions reach it, elevating it to a higher voltage. Produces > 1000 x the power per unit of hydrogen as hydrogen combustion. The projected cost of blacklight effect power cell and converter is less than five percent that of a fuel cell while providing a significant relative fuel savings.[ Blacklight Power ]

<http://www.blacklightpower.com/>

Nelson Scientific Vacuum polarization arises from vacuum fluctuations, in which virtual particles are allowed to appear and disappear briefly in accordance with the laws of physics: their duration of existence is governed by their energy and the uncertainty principle, charged particles can only appear in opposing pairs, such as an electron and positron pair, so that the total charge is conserved, they can only appear at an energy that fills an available energy state such as one of the electron orbitals in the vicinity of an atom, etc. Virtual photons are allowed to decay into electron-positron pairs, which, in conjunction with the predominance of virtual photons as vacuum fluctuations, permits a large number of virtual electron-positron pairs to fill the vacuum. When the leptons appear in the vicinity of an electrical field, the oppositely charged particles are drawn in opposite directions, becoming displaced slightly before disappearing again. That slight separation mimics the polarization of a dielectric, producing an opposing electrical field that "screens" or

“shields” the initial field and producing a diminished total field.

<http://home.comcast.net/~nelsonscientific/>

Fractional Hydrogen [Hydrino] and other free energy technologies. <http://www.amdgscientific.com/>

TransWorld Energy Electromagnetic Spectrum Resonance Energy Coils. Coils harnesses background electromagnetic spectrum energy. Desktop device produces 200kilowatts!

<http://www.users.on.net/~lekh/TransWorld.html> <http://www.altenergy-pro.com/device09-2.htm>

InventorOne Static field converter; Inventor Andrew Abolafia. Patent Abstract; “A device for the conversion of a static magnetic field into electrical energy comprising a permanent or electromagnet for establishing a stationary (static) magnetic field, one or more coils responsive to the magnetic field, a switch to periodically place a load across said responsive coils, and a hemispherical diamagnetic insulating element to periodically shield the coils from the magnetic field to produce electrical energy in the coils. The responsive coil may be cylindrical and totally surround one pole (half) of a magnetic dipole. The insulating element is rotatable around the magnet and is to alternately shield and expose the coil to the field of the magnet. The switch periodically opens and closes the coil circuit corresponding of the rotation of the shield.” Rapid magnetic shielding and unshielding creates magnetic flux in permanent magnets to produce useable electrical energy. <http://www.inventorone.com/>

<http://www.google.com/patents?id=Cb4aAAAEBAJ&dq=5,710,531>

Motionless Electromagnetic Generator : Solid state free electricity generator, Produces 5 x the power input as output of cold electricity, which may be used to power devices which use normal electricity. A switching circuit sending pulses of 11.5 milliseconds alternatively to two input coils to induce current pulses in two output ( collector )coils. Has a first magnetic path around which the first input and output coils are coiled, and a second magnetic path around which the second input and output coils are coiled, around opposing ends of a permanent donut magnet. An electric current in each input coil causes a magnetic field opposite to that in the permanent magnet,,,. Verified by duplication by several builders. To be commercialized. Inventors ; Stephen Patrick, Thomas Bearden, James Hayes, Kenneth Moore, and James Kenny.

<http://jnaudin.free.fr/meg/meg.htm>

Stiffler small solid state cold energy generator <http://www.stifflerscientific.com/>

Akoil Energy: Solid state generator. Requires some electricity to start then uses part of output to produce and excess of electricity. Now for sale to companies. 100kw version sold on Ebay

[http://peswiki.com/index.php/Directory:AKOIL\\_Power\\_Generators](http://peswiki.com/index.php/Directory:AKOIL_Power_Generators)

Magnetic Power Inc. Demonstration device. Now to convert 3kw transformer into a 1kw solid state generator. A different technology for 1mw solid state generator. Harnessing virtual photon flux. Instead of depending on massive mechanical torque to produce electricity, this type of generator instead produces electricity in an amount proportional to the speed of rotation. The faster the generator is spinning the greater the amount of electricity produced. There are limits however, to how fast a physical object can spin before centrifugal forces tear it apart. In order to surmount this difficulty, MPI has developed a version of this generator which produces a spinning magnetic field without using moving parts at all. Since nothing is spinning but magnetic field energy, which is not a solid object, the rotational speeds which determine the generator's output become essentially unlimited.

<http://magneticpowerinc.com/>

Potomac Energy Projects: Uses liquid nitrogen as the primary fuel to keep super conductor permanent magnets cool [ Superfluous if using a room temperature super conductor. ] Device is

designed to modulate a flux in the normally static field of a super conductor permanent magnet so as to induct electricity. On the surface of the superconductor, electrons form pairs known as "Cooper Pairs". These Cooper pair electrons are restricted to a very thin atomic layer, known as a thin film, where they travel at the speed of light. Research indicates that when a photon of a given energy level [ about 1w ] and [ 930nm ] wavelength are shot into the Type II superconductor, [ YBCO superconductor thin film on quartz crystal tubes ] these photons are absorbed by the Cooper pairs, thereby causing these electrons to break apart and seek a new Quantum orbit, due to this infusion of photon energy. This starts a chain reaction or avalanche - not unlike a nuclear reaction, only without the adverse side effects. Once this additional energy is introduced into the device, Sines claims he has found a way to direct the static flux emanating off the poles of the permanent magnet so as to modulate it through coils, producing electrical energy as we know it today. When the source of photons is turned off, these same electrons now sitting at a higher energy level, give up their energy received from absorbing the photon and drop back into Cooper pairs, in effect producing "Self Organized Criticality", meaning mother nature is turning the armature. The speed of the switch [ up to about 100khz ] determines current. This whole process is used to provide a difference in the magnetic flux path so as to develop a counter electromotive force in the coil windings where the static flux is converted into free electrons. This is how electrical energy is produced today: moving flux through coils in a given time period which results in the flow of electricity. Sines calculates that a prototype one cubic meter could quietly produce somewhere around 250 MEGAwatts. A one-liter sized unit would be large enough to power an average home. [http://peswiki.com/index.php/Directory:Potomac Energy Projects, LLC](http://peswiki.com/index.php/Directory:Potomac_Energy_Projects,_LLC)

Toroid [Donut] Coil Generator: Solid state stationary 15cm wide x 5cm high radial toroid coils with special windings to produce a rotating magnetic field produces 1kw. Invention and construction by Steve Mark with assistance from Paul Stemm. [http://peswiki.com/index.php/Directory:Steve Marks Toroid Generator#Update on Status](http://peswiki.com/index.php/Directory:Steve_Marks_Toroid_Generator#Update_on_Status)  
<http://www.zpenergy.com/modules.php?name=News&file=article&sid=1826>  
<http://www.overunity.com/index.php/board,49.0.html>

First page of patent:

<http://www.freeenergynews.com/Directory/SolidState/US20020125774A1/us20020125774ki-001.pdf>

Jasker Power System ;

<http://www.theverylastpageoftheinternet.com/newclaims/Jasker%20Power%20System%20.htm>

SmartPAK, ZPOD, and SmartMEG ; Solid state electro-magnetic devices which convert thermal and gravitational energy into electricity. PDF file takes about 5 minutes to load ;

<http://www.intalek.com/Papers/Handout3.pdf>

Sweet vacuum triode amplifier

Solid state free electricity generator. Tapping into the energy of a self oscillating magnetic field of magnets with special conditioning to create an electric current. A 1988 model with a 330 microwatts [330 one-millionths of a watt ] input into the VTA's wire coils produce more than 500 watts of conventional electricity, or about one and a half million times the input power. There are also reports of a mild loss in weight. The greater the load put on the device, the cooler it becomes. Inventor : Floyd Sweet. <http://jnaudin.free.fr/html/vta.htm>

RQM [Raum Quanten Motoren ] Space quantum manipulation. Solid state free energy generator. 25Kw unit in development. [http://www.rqm.ch/discovery\\_of\\_cosmic\\_primeval\\_ene.htm](http://www.rqm.ch/discovery_of_cosmic_primeval_ene.htm)

Bedini Negative Resistor : <http://www.icehouse.net/john34/bedinibearden.html>

Idaho National Laboratory, along with partners at Microcontinuum Inc. Solar and infrared Nanoantennas can absorb close to 80 percent of the available energy. The frequency of the current switching back and forth is ten thousand billion times a second. Appliances operate on currents that oscillate only 60 times a second. So the team is exploring ways to slow that cycling down, possibly by embedding energy conversion devices like tiny capacitors directly into the antenna structure as part of the nanoantenna imprinting process.

<http://www.inl.gov/featurestories/2007-12-17.shtml>

StarDrive electrodynamic field generator by Archer Enterprises. The generator uses banks of permanent magnets and rotating coils to produce a very-high DC rotor voltage to power an arc which collects radiant energy and converts it into direct current and heat. Electric discharge field electron's have the inherent ability to absorb vast amounts of ambient photonic EM energy and zero-point energy (random background electromagnetic vacuum fluctuations) as necessary to maintain its eternal steady-state spin, both in its ceaselessly self-mobile kinetic activity and in an electrical circuit where untold numbers of electrons in a continuous vacuum field discharge may be made to do vast quantities of harness-able work. [http://www.stardrivedevice.com/power\\_plant.html](http://www.stardrivedevice.com/power_plant.html)

Moray Radiant Energy Device : A antenna is connected to a 29 stage solid state collector material ; a small rounded pellet mixture of triboluminescent zinc, a semiconductor material, and a radioactive or fissile material, and germanium. After tuning of the device the material acts as a one-way gate for surges of high frequency background atomic ion energy which can go through the material more readily in one direction than the other. For conversion of ionic to electromagnetic energy to then be transformed into useful electrical power by conventional radio circuitry and a transformer. The device must be grounded. A 30 kg device producing 4kw of cold electricity able to power light bulbs but motors require special winding. It has been estimated that using current dielectric technology that a 50kg device could be built to produce 300kw. Could power buildings and also vehicles. Inventor ; Thomas Henry Moray [1950].

<http://www.keelynet.com/energy/moreland.htm> <http://www.rexresearch.com/moray2/morayrer.htm>  
<http://www.cheniere.org/books/excalibur/moray.htm>

Electromagnetic Radiation Receiver; Elemental Rods Collector Generator. 2 rods, 1 containing 73 elements collects positive charge, 1 containing 74 elements collects negative charge.

<http://video.google.com/videoplay?docid=-635987818295327978>  
<http://video.google.com/videoplay?docid=-4298347669641896403>

Dr. Yoshiro Nakamats's four-story concrete house completed in 2005 is powered by "cosmic energy," whose source is charged particles (such as the nuclei of atoms) arriving from outer space in rays at roughly the speed of light. A black "antenna" that covers most of one exterior wall collects this energy and distributes it to a converter that then produces enough electricity to power the entire facility and its roughly 30 guest rooms. Dr Nakamats sez that his system is so prolific that he sells excess electricity to Tokyo Electric Power Co.

Nicola Tesla Radiant Energy ( Cosmic Ray ) Device; From the electric Potential that exists between the elevated plate (plus) and the ground (minus), energy builds up in the capacitor, and, after "a suitable time interval," the accumulated energy will "manifest itself in a powerful discharge" that can do work.

<http://www.frank.germano.com/radiantenergy.htm>

Joint Institute for Nuclear Research,- [Russia] heteroelectric photocell stellar collector,- creation of a new substance, said to collect and convert stellar energy into electricity, said to be able to work

independent of meteorological conditions, so as to function 24 hours a day. Said to be cheaper than a solar panel to produce. [http://peswiki.com/index.php/Directory:JINR\\_Star\\_Battery](http://peswiki.com/index.php/Directory:JINR_Star_Battery)

Evolved Technology : Secret technology. A 15cm by 15cm by 5cm device is expected to produce 1kw. <http://www.evolvedtechnology.com>

Creative Science And Research. Plans for fuelless engine. After attraction of rotor to magnet magnetic shielding to let the rotor rotate past the magnet free of back force. Plans for super efficient conversion of water into hydrogen and oxygen. Plans for clorox bleach catalyst and water fuel cell. <http://www.fuellesspower.com>

Tilley Dragless Generator. Produces 3 x the static electricity energy required by the motor to turn it. Some also stored in batteries as required for starting and acceleration, the faster motor then produces extra rotations for more energy.

[http://www.greaterthings.com/News/Tilley/how/mnglobal\\_description.htm](http://www.greaterthings.com/News/Tilley/how/mnglobal_description.htm)

Bill Muller Dragless Generator. Motor generator configuration draws 38 amps and produces 400 amps. <http://www.mullerpower.com/index2.php>  
<http://home.mchsi.com/~actt2/index.html>

Potential Difference Inc, Perepiteia Generator. A magnetically coupled generator which accelerates under load in violation of Lenz's law and the law of conservation of energy. Insertion of a ferromagnetic material between the generator and the induction motor. The greater the resistive load the greater the rate of acceleration and likewise the greater the generator output. Inventor; Thane C. Heins. <http://www.g9toengineering.com/backemf/demonstration.htm>

Neogen Dynamo

[http://www.magneticity.com/NeoG/NeoGen\\_Dynamo.php#menu](http://www.magneticity.com/NeoG/NeoGen_Dynamo.php#menu)

Howard Johnson motor ; Uses changing geometry to switch permanent magnets to power rotational force with zero electrical requirement. Can be attached to a conventional generator or used to do other work. <http://www.newebmasters.com/freeenergy/4151431-pg1.html>

World Improvement Through The Spirit Ministries. Self Running 900 Watt Fuelless Electrical Generator. Showing initial activation & then a self-running electrical motor generator combination with 900 net watts output. This is a result of studying the pioneers such as Tesla, Moray, Hendershot and 20 years work by a team of top scientists along with several million in R & D.

<http://www.youtube.com/watch?v=JYmrQ8q0F98>

Mag-Gen ; Motor turned with magnetics with special geometry. [http://www.paranormal-investigation.com/plans/coral\\_castle/coral\\_castle04.htm](http://www.paranormal-investigation.com/plans/coral_castle/coral_castle04.htm)

Lutec Australia Pty Ltd. Free normal electricity. Self powered permanent magnet motor providing rotary power to rotary generator in same unit. Produces a constant 1000 watts. Magnet life of 1300 years. Uses permanent magnets and a small current to switch magnetic polarity of steel electromagnetic stator cores from opposite poles for attraction and like poles for repulsion. Fine tuning of controller circuitry underway with mechanical and solid state versions. Uses 1/15 of the output for cutting of attraction force of magnets and for controller. Patents applications underway. <http://www.lutec.com.au/> <http://www.youtube.com/watch?v=my9FO69Vs74>

Millenial Motors Magnetronic Motor. Magnet Motor. <http://www.millennialmotorsinc.com/index.html>

Kedron Corp Eden Project. Harnessing power of permanent magnets.  
<http://www.kedroncorp.com/abstract.html>

Troy Reed 7kw Magnetic Motor.  
[http://www.peswiki.com/index.php/Directory:Surge Motor Technology by Troy Reed](http://www.peswiki.com/index.php/Directory:Surge_Motor_Technology_by_Troy_Reed)

SuperMag by Enigma. Currently working to power an implanted artificial heart. Magnetic motor driven turbine. [http://peswiki.com/index.php/Directory:SuperMag by Enigma](http://peswiki.com/index.php/Directory:SuperMag_by_Enigma)

Walter Torbay Magnetic Transgenerator. Uses power plant type permanent magnets to take advantage of the attraction of alternative poles at rest, and magnetic repulsion of same poles, along the deviation of lines of magnetic force, by a complex mechanical system that transforms the locked up magnetic energy into a permanent magnet motor, and to generate electricity. A \$150US device produces 2,500watts.  
[http://peswiki.com/index.php/Directory:Walter Torbay%27s Magnetic Transgenerator](http://peswiki.com/index.php/Directory:Walter_Torbay%27s_Magnetic_Transgenerator)

Cyclone Magnetic Engines; Permanent magnet motor. U.S.A company with research lab in Queensland Australia. <http://www.cyclone.com/>

John Ecklin Generator: Spring-loaded reciprocating magnets are alternately exposed and shielded by a rotating magnetic shield to produce alternating forces to the crankshafts.  
<http://antigravitypower.tripod.com/FreeEnergy/j.ecklin.html>

Bowman ; Permanent magnet motor; use of gearing to use stronger forces of attraction to overcome forces of repulsion. <http://www.fdp.nu/bowman/>

The Crystal Iron Engine ; <http://www.airturbineengine.com/>

Interference Disk Electric Generator. Uses magnetic field shielding to produce rotation. By Alan L Francoeur.  
<http://freeenergynews.com/Directory/Inventors/AlanLFrancoeur/InterferenceDiscGenerator/index.html>

Newman Energy Machine ; created by Joseph Newman. Coil rotates within another coil.  
<http://jnaudin.free.fr/html/qmmv11.htm> <http://video.google.com/videoplay?docid=-1610087835473512086&hl=en>

Robert Adams Pulsed Electric Motor Generator  
Self powered free electricity generator. Uses a pair of opposite polarity permanent magnet for attraction. Then after the magnets have passed each other a small electrical current is applied to one of the permanent magnets, so as to neutralize and reverse the magnetic field so as to provide repulsion, and so continuous rotation.  
<http://www.geocities.com/CapeCanaveral/Lab/1287/adams/adamsall.htm>

Space Power Generator ; a conducting non-magnetic shaft on which two electromagnets are mounted rotates at 2860 rpm by an electric motor. 300% surplus electricity. <http://www.tewari.org/>

Steorn Generator; free and constant energy from the interaction of magnetic fields. Uses a small

amount of mechanical energy to start then produces a large amount of mechanical energy for ever. Provides five times the amount of energy a mobile phone battery generates for the same size. <http://www.steorn.com/> [http://peswiki.com/index.php/Directory:OC MPMM Magnet Motor](http://peswiki.com/index.php/Directory:OC_MPMM_Magnet_Motor)

Wang Shum Ho 5kw surplus energy from permanent magnet motor and generator, 225hp motor, and free energy car. <http://www.energyfromair.com/beijing/Taiwan.files/frame.htm>

OneGift4Power; Electrically started power plant, in one device of 10 versions input electric motor powers at least 2 lead, iron or concrete weights and a differential of pressure form side to side in such a way so as to to develop free mechanical energy in a flywheel, and so more electrical current from generator than is required by the motor. Inventor Dante A. Donatelli Jr. promises much. Need more details of how it works such as drawings, photo, video, or physics. Development by charity OneGift4Power. <http://www.onegift4power.org/index.html>

Bob Kostoff Gravity Machine. Rotary machine two arms shifts weights out for the downward stroke and inward for the upward stroke. <http://www.newsourceofenergy.com/> [http://peswiki.com/index.php/Directory:Bob Kostoff Gravity Machine](http://peswiki.com/index.php/Directory:Bob_Kostoff_Gravity_Machine) <http://www.newsourceofenergy.com/demo-2.wmv>

Sundance generator and Hummingbird motor.

Total output of the Sundance generator is 30kw which is 15 times the motor load which is 2kw. The 50hp hummingbird motor produces more power per unit of input electricity than any other conventional motor. To be commercialized. <http://befreetech.com/techpage.htm>

Energy By Motion; The self-contained EBM generator routinely produces several kilowatts more electricity than used by the motor used to turn the generator. The EBM needs electricity to start the small DC motor to rotate the EBM drive unit, and it achieves operating speed. A 10-megawatt unit, it is actually producing 15-megawatts and taking back five megawatts to drive the EBM motor, giving a 10 megawatts feed into the grid 24 hours a day, seven days a week.

<http://www.gammamanager.com/>

Edwin Gray Pulsed Capacitor Discharge Electric Engine,

The motor draws small amounts of direct current from a battery and blends it with static electricity to make the static "work". The static charge then activates the electromagnets in the motor. The batteries will last for 203 hours at 10 horsepower and 1,100 rpm without recharge, the total battery power consumed is only 26.8 watts. A car can go for 500 miles between recharge, or the motor can be used to run a generator to generate more power than it uses.

<http://www.rexresearch.com/evgray/1gray.htm>

Perendev electric motor and generator

Device in commercial production produces 300kw of normal electricity by using high power permanent magnets and shielding.

[http://perendev-power.com/index\\_files/Page780.htm](http://perendev-power.com/index_files/Page780.htm)

<http://www.youtube.com/watch?v=PFGiWiXMh0>

Minato Self-Running Motor : Output / input ratio of 4.3 / 1. Invented by Kohei Minato.

<http://www.keelynet.com/gravity/curtis0.htm>

Jakelj Super Efficient Electric Motor : 1000 x the torque output per unit of watts input of

conventional motors. <http://maddsci.tripod.com/george/id11.html>

Magratten Electromagnetic Motor:

[http://peswiki.com/index.php/Directory:Magratten Electromagnetic Motor](http://peswiki.com/index.php/Directory:Magratten_Electromagnetic_Motor)

Testatika machine ML converter. Twin disks auto rotate at 60rpm in opposite direction after being started by hand. Collects static electricity inside each of two horseshoe magnets by accelerating molecules to a velocity that they collide with other molecules and atoms in the air to in a chain reaction liberate new free electrons. Conversion into normal electricity inside a glass tube vacuum thermionic rectifying valve with an anode mesh-plate surrounded by a coiled copper grid, fed by a glowing (heated) cathode wire. Secret technology now in service at the Methernitha commune. <http://website.lineone.net/~aarekhu/>

The Rene-Rator: <http://i125.photobucket.com/albums/p51/reenerator/freeenergy.jpg>

The Trombly-Kahn Homopolar Generator. <http://www.rexresearch.com/trombly/trombly.htm>

Bruce E. DePalma N-Machine. <http://www.rexresearch.com/depalma/depalma.htm>

Ken Shoulders Electrum Validum. <http://www.rexresearch.com/ev/ev.htm>

Robert L. Scragg Solar Reactor Engine. <http://www.rexresearch.com/scragg/scragg.htm>

Karl Schappeller Motor. <http://www.rexresearch.com/schapp/schapp.htm>

Electrical Power Accumulator. Invention by Frank Prentice.

<http://www.rexresearch.com/prentice/prentice.htm>

Harry E. Perrigo Etheric Wave Accumulator. <http://www.rexresearch.com/perrigo/perrig.htm>

Hans Coler Generator <http://www.rexresearch.com/coler/coler2.htm>

Harold Aspden Electric Generating device: Alternate charge and discharge of electrical capacitors that on discharge, gives up double that amount of charge input energy as discharge output. [http://www.aetherometry.com/aspden\\_pulsed\\_plasma\\_intro.html](http://www.aetherometry.com/aspden_pulsed_plasma_intro.html)

K-Capture Generator : When a Lithium-6 atom encounters an ultraviolet photon adding enough energy to cause a K-capture, its atomic number is changed and becomes a Helium-6 atom. Helium-6 is a radio nuclide having a beta emission of 3.58 MeV. No other radiation is present except for a characteristic X-ray of Helium. Beta particles are captured in a magnetic field and stored in a capacitor bank before using their energy to do work. <http://www.nuenergy.org/alt/k.htm>

Quantum Energy generator: With a minimum of 100kw microwave input to produce 1,000 x more light energy as ball lightning output. <http://www.chukanovenergy.com/>

Helium 3. 25 tons or 1 shuttle load has enough energy to power the US for one year and would be worth \$100 billion. Found on the moon in large quantities. 1% of the radiation per unit of heat of uranium. [http://www.space.com/scienceastronomy/helium3\\_000630.html](http://www.space.com/scienceastronomy/helium3_000630.html)

Marcus Reid Crystal Units: Electronics D size battery replacement producing free electricity. No input constant output. <http://wegalink.eu/energy/>

HORTONG generator. A mexican company ET3M has developed a circuit harnessing atomic

energy without radiation containing 10mg of "silicio-germanio-arcenuruio de galio-cuarzo" [Spanish] or gallium-cuatzo silicio-germanium-arcenuruio [ part translation part spanish ] to produce 250,000,000 Kilowatt Hours of energy, or 1kilowatt for 28years. <http://www.et3m.com/>

Betavoltaic : High power, super long life, compact batteries. Tapping into the hadronic structure of the neutron. Harnessing the millions of volts ejected with beta-electron during the decay of a neutron into a proton. With 10 to the power of 8 watt hours per kilogram, 10,000x the energy density of petrol combustion. A cell phone battery would last 5 years under constant load. Safer than chemical batteries, Free of radioactivity including after being exhausted. <http://www.rochester.edu/news/show.php?id=2154>

Alfred M. Hubbard Radium Radioactivity To Electricity Transformer. <http://www.rexresearch.com/hubbard/hubbard.htm>

Patterson Power Cell by Clean Energy Technologies, Inc. Has two electrodes for application of an electrical current, into a Lithium Sulfate electrolytic and salt water flushed cell with the salt water also used as the fuel, the cell also contains palladium, nickel, and copper coated plastic microspheres. The cell produces 1,000x as much heat energy as electrical energy input in a compact device. Could be used for heating. Also neutralizes radioactivity, in 24 hours the cell reduces the level of radioactivity to a level which would otherwise take millions of years. The energy production process is a mystery, but is thought to be nuclear. <http://www.padrak.com/ine/PPC97.html>

Nucell ; Strontium90 safe nuclear battery. The electric charges of alpha and beta particles are captured and converted to electricity. <http://www.rexresearch.com/nucell/nucell.htm#>

Fusion using toroid [Donut shaped coil] ; Electron Power Systems <sup>TM</sup> has discovered a plasma toroid that remains stable without magnetic confinement, by using background gas pressure for confinement instead. These plasma toroids are observed to remain stable for thousands of times longer than classical plasma toroids, which opens the way for new clean energy applications. In the 1970's, Dr. Wells at the U of Miami collided two plasma toroids to produce low-level fusion energy in the TRISOPS system. The amount of energy produced was limited by the short duration time of the plasma toroids used, as well as their low density and their low level of energy. The new EPS stable plasma toroids will overcome each of these limitations, and will potentially produce practical fusion with no magnetic containment required, thus producing a microfusion reactor. Our challenge is to adapt the new stable plasma toroid to the TRISOPS method. <http://www.electronpowersystems.com/index.html>

Fusor ; Electrostatically focused, deuteron accelerator-collider. Deuterium Deuterium Fusion reactor. Construction by Richard Hull, invention of the inventor of television sets Philo T. Farnsworth. <http://rhull.home.infionline.net/highenergy002.htm>

Cold Fusion ; Pons-Fleischmann and other effects. Because of difficulty in duplication this method was thought to be a fraud, but is now duplicated by Stanford Research International. Excess energy is created by electrolyzing platinum instead of palladium or in deuterium. Produces excess heat energy, tritium, helium, x-rays, alpha-rays, neutrons, high energy particles, and various elements and radioactivity. Usually creates 20% surplus energy but can produce up to 15x energy input. Safer devices exist. [http://www.alternativescience.com/cold\\_fusion.htm](http://www.alternativescience.com/cold_fusion.htm)

FocusFusion: Very cheap fusion power. <http://focusfusion.org/log/index.php>  
<http://www.lawrencevilleplasmaphysics.com/>

Vital Electric Fusion: Boron and Hydrogen. Cheap safe fusion.  
<http://www.thepriceofliberty.org/07/05/07/ward.htm>

Rory Johnson Gallium-Deuterium Fusion Magnetic Motor ; 525 HP from Laser (Defraction Prism) Activated deuterium and gallium fuel, with a range of 100,000 miles on 2 lbs of fuel. Lost when the inventor died. <http://users.rcn.com/zap.dnai/rory.htm>

Joseph Papp Thermonuclear Plasma Explosion Engine ; Uses a conventional combustion engine. The cylinders are filled with a mixture of gases ; helium, neon, argon, krypton, xenon, and a radioactive element. A magnetic field and a high-voltage discharge is applied. Each of a series of explosions from the fusion of helium is followed by a reversion of the gases to a compressed state. Fuel lasts for 100,000km between refilling costing \$25. Requires neutron radiation shielding, Requires sealed cylinders, and Requires controller to avoid a thermonuclear explosion. An engine after conversion produces 3 x the power of the engine prior to conversion. Sponsorship ended after the death of an observer when the device exploded when Mr Papp disconnected a power cable to the controller to demonstrate this was not the source of the energy.  
<http://www.museumofhoaxes.com/comments/papparticle.html>

Jimmy Sabori's Inert Gas Vacuum Engine; <http://video.google.com/videoplay?docid=-2850891179207690407>

Waranlinc wheel by Environ Energy. Shifts weight onto one side of the wheel to cause fuel free rotation to drive a generator. <http://www.environ-energy.com/>

G Force Rotational machine. [http://peswiki.com/index.php/Directory:G\\_Force\\_Rotational\\_machine](http://peswiki.com/index.php/Directory:G_Force_Rotational_machine)

Hutchison Effect: Cold melting of metals, antigravity, and free energy.  
<http://www.americanantigravity.com/hutchison.shtml>

Inertiamag: "When a force is applied to a free floating rigid object, then an equal and opposite force is produced due to inertia. Since the two forces are offset by distances, then this will produce a turning MOMENT. Magnetics introduced at this time, will produce an anti-gravitational effect."  
<http://freeenergynews.com/Directory/InertialPropulsion/InertiaMag/index.html>

Searl Effect Generator.

1-Generates electrical power for Electric vehicle propulsion, and Domestic appliances. Generators may range in size from 15kw, to 100kw to power cars, up to power stations rated producing hundreds of Megawatts. 2-Provides mechanical power output, in which case the vehicle transmission can be driven directly. 3-Produces an anti-gravity effect strong enough to launch satellite and other cargo. Alternatively artificial gravity such as in space. Because a SEG is self-contained, it may be used in remote locations. Drawbacks; causes interference with electronics up to 1km away. Companies formed to administer the implementation of the Searl Effect Technology ; DISC Direct International Science Consortium inc in association with John Searl. Also SISRC Ltd, a rival team. In the early 1950s as a young apprentice in England John Searl built his first experimental free energy generator which unexpectedly produced anti-gravity effect, broke free, broke through the roof, flew off into space and was lost. John Searl found a way of controlling the anti-gravity effect and made a second remote controlled device which was sent to an United States Air Force Base For evaluation, the device flew but was deemed useless to the Air force military personnel and purchasers in its then raw configuration. John Searl produced another small device

in New Zealand, and began work on a larger vehicle able to carry a passenger. The small machine was used as a household and workshop power source. John Searl then persistently refused to pay for the connection of electricity to his property, which at that time was illegal in NZ, and was subsequently sent to prison. During this period in prison someone set fire to his workshop, the fire destroyed the large anti gravity vehicle, and all of his notes. It is not known what became of the small generator but it was also lost or destroyed. From then up until now John Searl has been reconstructing the required plans and measurements, experimenting with modern materials, trial making some components, publishing and selling technical books and the Searl effect web page on the device, and trying to raise enough money to develop, build, and manufacture more devices. I suggested to John Searl that he should make his technology more available for success one way or another. John Searl now wants to abandon any attempt to gain a patent and void any attempt by others to steal and control rights to his technology by open sourcing all of his Searl Effect Generator Inverse Gravity Vehicle technology. He is now about 80 years of age, and coming to the conclusion his only remaining opportunity for manufacture of his invention and personal success is if he helps any other maker with deeper pockets construct his invention. He should and would still like to be paid a prize and royalties and gain credit for his work so far leading to the construction of copies of his invention. Insufficient funds prevent the existence of any current demonstration device. \$5,000,000 should be sufficient to equip a workshop to construct one by J R R Searl and associates, From then on each device would cost \$5,000 to \$10,000 to construct. A Russian team have a part duplication single stage device [ instead of the three stage Searl device ] and reproduce a small 35% reduction in weight and free electricity. A Searl Effect Generator (SEG) consists of three concentric rings each made of four different materials concentrically attached to each other. The three rings are fixed to a base. Surrounding each of the rings, and free to rotate around them, are rollers - typically 10 on the first ring, 25 on the next and 35 on the outer ring. Surrounding the rollers on the outer ring are coils which are connected in various configurations to supply either AC or DC current at a variety of voltages. Multiple magnetic poles are imprinted on the rings and rollers to form frictionless magnetic bearings. These also arrange the static charge into opposing charge clusters which cause the rollers to rotate around the circumference of the ring. When the SEG rollers are brought into close proximity to the SEG Ring, the magnetic field causes negative ions and electrons to be drawn into and accelerated through the machine. This process is assisted by the highly electron-attracting rare earth metal neodymium. A SEG is 3 stage step up rotary transformer, increasing final output to a very high voltage. The output windings must step down this output to 240 volts at 15KW. The first Searl Effect products are envisioned to be 1- A compact 15 kW generator unit, measuring approximately 46 x 61 x 12 cm, to provide DC or AC single or three phase electricity at a variety of voltages, typically 12 to 240 V Each unit would deliver 60,000 KW hours before requiring remagnetization on an exchange unit basis,. and 2-A flying craft called an Inverse-G-Vehicle or (IGV). The Searl effect is verified by partial duplication in Russia by Roschin and Godin. Institute for High Temperatures, Russian Academy of Science ; "A 1 meter diameter disc at 600 rpm obtains a 35% reduction in weight while generating 7 KW of excess electric power." "There has been a great interest in examining non linear effects in the system of rotating magnetic fields. Such effects have been observed in the device called Searl's generator or SEG (SEG, Searl Effect Generator) A SEG consists of a series of three rings and rollers that go around those rings. All parts of SEG are based on the Law of squares. The rollers revolve around the plates that form the rings, but they do not touch them," "All the results we obtained are extremely unusual and require some theoretical explanation. Unfortunately the interpretation of results within the framework of the conventional physical theory cannot explain all the observed phenomena and first of all the change of weight. The change of weight is possible to interpret as a local change of gravity force or as an occurrence of propulsion force by repelling from its own field" Once having the equipment the manufacturing cost of each precision Searl Effect device is minimal above the cost of materials. Winner of the 2006 Loris Hemlof prize of 300 pounds for free energy and anti gravity technologies.

<http://www.searlsolution.com/>

<http://searleffect.com/>

<http://www.americanantigravity.com/godinroschin.html>

<http://www.sisrc.com/index.htm>

<http://www.transproducts.net/ag/index.html>

I believe their would be virtue in updating the theory of the conservation of energy; that energy may never be created or destroyed only transformed, into the Conservation Of Free Energy, energy is created for free then never destroyed only transformed. The repulsive force which keeps the universe expanding seems to be created in a vacuum from nothing. Gravity seems to create from nothing but the presence of elements,- heat and pressure in the sun to convert through fusion atoms into heavier atom elements. The strong and week atomic forces also seem to create energy from nothing. Permanent magnets attract and repel without any consumption of mass. All that is required to transform these forces into electricity or directed motive force is a method of turning off and on these forces. All energy is either free energy or an end product of free energy. For example fission is a product of uranium which is formed in a sun from gravity. Fusion is not a net producer but a consumer of energy. The effort to create energy from fusion should be directed into other new energy technologies. Coal is created from plant chemical energy, from photosynthesis, from sunlight, from gravity. Where conservation of energy is correct is that energy is not destroyed but transformed into elements or dissipated throughout the universe. The conservation of energy theory was developed in the 1850s only considering terrestrial phenomena, and not the effect of gravity on fusion in the sun.

## MODEL REFORMS

I reject the massive investment in hot fusion or carbon capture snake oil salesmen. I reject carbon emission trading. I do not believe justifying CO<sub>2</sub> output by an arbitrary, complicated, time consuming, regressive, rort is worth doing. Re-population of rare and crop tree species is good but not planting any old species on farming land to justify CO<sub>2</sub> production. Carbon trading has failed in the EU. But instead we should have a mandatory caps, levies, and budget allocations; [Less complexity, less rorts, and better results than carbon trading]. These reforms could should form the basis of an international agreement.

To eliminate combustion air pollution, the greenhouse effect and to ensure energy independence.

All rights to suppress a free energy technology are hereby void, amounts paid for the suppression or purchase of rights to a free energy technology may be kept by those it is paid to. Any person who has suppressed a free energy technology by intimidation such as by vandalism, assault, theft, arson, fine or imprisonment may be prisoned. Immunity from prosecution; Free energy inventors may work on their inventions free of legal penalty for anything related or unrelated to their invention.

\$100,000,000,000 FUELS LEVY FOR FREE ENERGY INVENTOR PRIZES of 1 cents per megajoule, on combustion or nuclear fuels extracted or produced in Australia, or imported into Australia. Paid into the free energy fund. As managed by a Private Company For Free Energy Inventor Prizes paid 5%, to pay prizes to free energy inventors. [ Production of non-renewable fuels of 16,254 petajoules [16,254,000,000,000,000,000 joules] in 2005-06 ] Revenue; \$100,000,000,000. For free of resource consumption, or free resource, free of toxic pollutants, clean, constant supply, portable, user location, distributed, Producing normal electricity, motive force, refrigeration, heat, and/or anti-gravity. { Excluding ; intermittent wind, wave , tide, or solar, polluting coal, limited hydro, oil, dangerous radioactive waste producing fission, radioactive waste producing fusion, rocket, or manual sources, But allowing devices with radioactive components but with waste that has zero radioactivity. } With all the international prize winners required to do is to nominate a individual or company developer and provide a PayPal address to send the cash in their own currency to. Judging an inventors worth by the quality of a grant application or public

university qualifications is doomed to fail. Better knowledge of inventions and a determination to seek out and pay the best inventors is required. Also the inventor granted a patents for the right to 10% of revenue resulting from the sale of generator units and 10% of the income the generators produce. In receive the prize the recipient gains the rights to patent royalties worth 10% of sales. If a claim is proved to have been false, then the prize must be paid back. With granting of patent allowing anyone to replicate the product if paying 1% of resulting revenue to 100 inventor/s. Each paid [\$1billion per year]. [ For details on these free energy technologies see <http://www.users.on.net/lekh/free.html> ]

: \$400,000,000 for prizes to develop and deploy good bacteria that will allow livestock to produce zero methane. { In 2020 all livestock in Australia must have zero methane output or be shot or sent to slaughter. }

: \$400,000,000 for safe, pollution free, fixed location, constant power technology prizes. {Solar or wind and energy storage to make constant, Hot rocks geothermal}

: \$50,000,000 for a prize for the fastest {Darwin to Adelaide} transcontinental crossing of an electric or power other than combustion vehicle. Propelled by stationary battery external recharge, plus solar power, and free energy. Where the vehicle has a physical cross section of 2.56 meters squared such as 1.6m by 1.6m cross section, a minimum weight of 500kg, and a maximum length of 3.5m, a maximum width of 1.8m and a maximum height of 1.8m and any amount of solar collector area. To develop and race cars free of fuel, more comfortable and suitable for commuters.

: \$100,000,000 for prizes for battery technologies, {\$10,000,000 for Europositron aluminium batteries} Electronics, electric vehicles and utility scale batteries.

Non combustion and non uranium nuclear vehicles are road legal, have free motor vehicle registration, and insurance, and are not required to be crash tested. For each person killed in a vehicle accident the vehicle manufacturer is required to pay a tax of \$100,000.

All vehicles imported into or made in Australia must be non combustion and non nuclear from 2012.

All new premises in Australia must be energy independent using no combustion and no nuclear energy, or produce at least 240 kwh of electricity on average per day. [10kw constantly].

All new power stations must be non combustion and non nuclear. Power providers in Australia must deliver at least an extra 4% of power each year from 2009 from non combustion and non nuclear sources.

[For less complexity and better results than carbon trading]

\*Commercialized free constant energy generators subsidized with a \$3billion free constant energy generator rebate.

\*\$40billion per year for international defense to commission free energy generators for military and aid.

\*\$600million per year for anti gravity space vehicle research by prize winners.

\*\$400,000,000 for prizes to develop and deploy good bacteria that will allow livestock to produce zero methane.

\*\$110,000,000 for prizes for battery technologies, {Europositron aluminium batteries}

\*\$1,500,000,000 plus proceeds of privatization for commission of utility scale batteries for privatization.

\*\$1,500,000,000 plus proceeds of privatization to commission power stations of any sort excluding combustion, and excluding uranium nuclear and excluding thorium nuclear, but allowing free energy, and intermittent sources. For privatization. Alternatively a percentage subsidy for the construction of power stations by private providers. Private Company For Power Station

Commission. [ The best way to decrease prices is to increase supply and the best way to increase supply is not for government to own power stations, but for the government to sell them and reinvest the proceeds into new supply which is then in turn sold. ]

## THE ENVIRONMENT

At first glance with CO<sub>2</sub> at .05% of the atmosphere [ 5/10000 ] plants are starved for CO<sub>2</sub>. Plants would continue to increase in vigor to 5% of the atmosphere = 100 x the current level. The tropics would expand away from the equator. In general the climate should become warmer, wetter, and greener from the equator. Heading into the next cyclical ice age there will be a need to heat the environment by burning fossil fuels so as not to become like Antarctica. There is a need to reduce urban combustion engine air and noise pollution and to find an alternative to uranium nuclear power stations to stop more countries developing the capacity to have nuclear weapons. The harm to the environment from CO<sub>2</sub> is the speed of change, there is a need to slow down the speed of increase of greenhouse gas emissions so species can adapt. Northern Eurasia would benefit from some global warming, but Australia has become a dust bowl. On a bigger scale both Mars and Venus have been affected by runaway greenhouse effect, water in the atmosphere has dried up and evaporated into space. On a philosophical level I believe all combustion and fission should end on earth except for use as weapons.

It is becoming apparent that our public universities are only responsible for third rate intermittent energy technologies. University incorrect dogma has had qualified people contradict real world devices. Public universities should be privatized and sponsored to develop products from a 25% levy on shares issued.

Battery powered electric vehicles offer many advantages over combustion fuel engines. Battery power is less polluting and much cheaper to run than petrol. The limiting factor is the battery capacity. But rather than go to a service station electric vehicles can be recharged from a power point overnight and by ambient heat conversion of freon liquid into high pressure gas to drive an engine [ [http://pesn.com/Radio/Free\\_Energy\\_Now/shows/2006/12/30/9700220\\_Nova\\_Technologies/](http://pesn.com/Radio/Free_Energy_Now/shows/2006/12/30/9700220_Nova_Technologies/) ], solar panels on the roof of the car or house, regenerative braking, and free energy devices. Long life light weight materials could be used to decrease the energy requirement for manufacture and acceleration. Air and noise of pollution in cities is mainly caused by the combustion engine.

Batteries may be used to make intermittent wind and solar power constant. Utility scale batteries may also be used with wind and solar power and to provide peak power required for short period each year by air conditioners.

1/Aluminum chemical batteries. <http://www.europositron.net/>

2/Capacitor stored charge batteries. Larger capacity, - as much energy density as petrol, Very fast charge, - seconds if required. More recharges. Longer life.

A/Nano tube filaments increase the surface area of the electrodes. [Joel Schindall MIT, Ford](http://www.sciencentral.com/articles/view.php3?type=article&article_id=218392803)

[http://www.sciencentral.com/articles/view.php3?type=article&article\\_id=218392803](http://www.sciencentral.com/articles/view.php3?type=article&article_id=218392803)

B/EestorAn electrical-energy-storage unit (EESU) has as a basis material a high-permittivity composition-modified barium titanate ceramic powder. This powder is double coated with the first coating being aluminum oxide and the second coating calcium magnesium aluminosilicate glass. The components of the EESU are manufactured with the use of classical ceramic fabrication techniques which include screen printing alternating multilayers of nickel electrodes and high-permittivity composition-modified barium titanate powder, sintering to a closed-pore porous body, followed by hot-isostatic pressing to a void-free body. The components are configured into a multilayer array with the use of a solder-bump technique as the enabling technology so as to

provide a parallel configuration of components that has the capability to store electrical energy in the range of 52 kWh. The total weight of an EESU with this range of electrical energy storage is about 336 pounds. Will charge up in five minutes and provide enough energy to drive 500 miles on about \$9 worth of electricity. At today's gas prices, covering that distance can cost \$60 or more. No web page. Patent.

3/Also for other utility scale batteries see,-

[http://peswiki.com/index.php/Directory:Utility\\_Scale\\_Batteries](http://peswiki.com/index.php/Directory:Utility_Scale_Batteries)

4/Thermal to electric chips plus freezing [down to -200] when electronic power is applied. Suitable for silent chip cooling such as computer cpu and power supply cooling and for superconductors.

<http://www.eneco.com/technology.html>

5/Stanford University (2007, December 20). New nano silicon mesh lithium-ion anode to make a battery which holds 10 times the charge of existing ones. *ScienceDaily*. Retrieved December 23, 2007, from <http://www.sciencedaily.com/releases/2007/12/071219103105.htm>

Desalination may use intermittent power sources and hot rock geothermal to pump water. Digging deeper near cities [8k well] would be cheaper than using optimal places [ 4 k well ] and transporting electricity. A single shaft sealed system would prevent slight increased risk of minor earth tremors such as has stopped hot rock geothermal in Germany.

1/Nanotube membranes [http://www.llnl.gov/pao/news/news\\_releases/2006/NR-06-05-06.html](http://www.llnl.gov/pao/news/news_releases/2006/NR-06-05-06.html)

2/Chemical free 2 stage sand filter then reverse osmosis.

<http://cleanwaterproducts.com/seawaterprod.html>

3/Pressure exchanger for 98% recovery of pressure from waste stream in reverse osmosis.

[http://www.energy-recovery.com/homepage/home\\_page\\_ek\\_2.php4](http://www.energy-recovery.com/homepage/home_page_ek_2.php4)

Loris Hemlof Prize For Best Free Energy Inventor.

Recipients must have a PayPal account and provide public proof of free energy and/or anti-gravity.

Winners.

2006 John R. R. Searl for his Searl Effect Generator; 300 pounds sterling. [Paid]

2007 John R. R. Searl for his Searl Effect Generator; 500 pounds sterling. [Paid]

Please use PAYPAL to make a donation go to <https://www.paypal.com/>

The John R. R. Searl [Searl Effect Technology] PayPal account identifier is;  
[searlsolution@hotmail.com](mailto:searlsolution@hotmail.com)

To make a donation to the 2008 Loris Hemlof prize [ my commission is a maximum of 5% ] for best free energy inventor my PayPal account identifier is; [lekh@bigpond.com](mailto:lekh@bigpond.com)

Other Free Energy Web-sites.

<http://www.overunity.com/>

<http://peswiki.com/>

<http://www.zpenergy.com/>