



ENERGY: THE ROAD AHEAD



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Keystone XL: The Choice of Reason

After more than four years of comprehensive and exacting economic and environmental review by the U.S. State Department, the Obama administration will soon make the decision about whether to approve the Keystone XL pipeline from the oil sands in Alberta, Canada, to refineries in America's Gulf Coast.

America's desire to effectively balance strong environmental policy, clean technology development, energy security and plentiful job opportunities for the middle class and returning war veterans mirrors that of the people of Alberta.

And these joint values reflect the actions of the Government of Alberta. This is why choosing to approve Keystone XL and oil from a neighbor, ally, friend and responsible energy developer is the choice of reason.

The State Department has indicated that Keystone XL will not have a significant impact on the environment. Yet some still argue Keystone should be decided on emotion rather than science and fact about Canada's responsibly developed oil sands resource.

Learn more about the oil sands and Alberta's environmental track record at oilsands.alberta.ca

Why Keystone XL is the choice of reason:

- More energy from a reliable ally with a strong environmental track record
- Less gasoline in the tank from unstable foreign regimes
- 42,100 direct and spinoff jobs for Americans during construction*
- An average of 138,000 American spinoff jobs per year for the next 25 years from continued oil sands development**

Did you know?

- In 2008, Alberta was the first place in North America to legally require all large industry to curb greenhouse gas emissions, and Alberta already has a \$15-per-tonne price on carbon.
- Alberta is committed to pushing the bar higher on its leading climate change policy that already includes a \$1.3 billion investment in carbon capture and storage and a fund that is helping to finance more than 40 clean technology projects.
- Canada and the U.S. share one of the world's closest trading relationships. In 2012, for every dollar of oil the U.S. imported from Canada, 90 cents returned through Canadian imports of goods produced in the U.S. This compares to 33 cents for oil imported from Saudi Arabia and 46 cents for Venezuela.
- Greenhouse gas emissions from the oil sands in Alberta make up just over 1/10th of one per cent of the world's emissions.

* Source: U.S. State Department

** Source: Canadian Energy Research Institute, July 2012 (CERI)



Put One Million Americans to Work

**Harness the heat
to create new jobs
and make our country
more competitive.**

Each year, America's utilities and factories send enough heat up their chimneys to power all of Japan. But with existing, proven technologies, we can harness that wasted energy, dramatically cut electricity costs, and make our manufacturers more competitive.

According to Oak Ridge National Laboratory, significantly increasing our industrial energy efficiency would spur more than \$200 billion in new private investment in the U.S. and create up to 1,000,000 jobs.*

Learn more about industrial energy efficiency at www.PewTrusts.org/industrialefficiency

475 businesses agree.

4 Thought Energy LLC
5 Lakes Energy, LLC
ABB
Acuity Power Group, Inc.,
Consulting Engineers
Aegis Energy Services, Inc.
Affiliated Engineers Inc.
Affordable Comfort Inc.
Affordable Solar Hot Water and Power
Air Systems Inc.
Albright College
Algae Aqua-Culture Technology, Inc.
Alliance for Industrial Efficiency
Alliance to Save Energy
Alodyne, LLC
Aloha Communications
Contractors, Inc.
Alphabet Energy, Inc.
AltraGen Corp.
Ameresco
American Biomass Corporation
American Combustion Service, Inc.
American Council for an
Energy-Efficient Economy
American DG Energy Inc.
American Gas Association
American Solar
Anguil Environmental Systems, Inc.
Applied Engineering Services, Inc.
Applied Hydrogen Technologies Inc
Archimatic LLC
ArCHPower Solutions
Area Partnership for Economic
Expansion (APEX)
Aries Energy
Arkansas Advanced
Energy Association
Asheville Area Chamber of Commerce
Ashlawn Energy, LLC
Association of State Energy
Research and Technology
Transfer Institutions (ASERTTI)
Atlantic Energy Concepts
Atlantic Renewable Energy
Services, Inc.
Avalon Consulting, Inc.
Avalon Energy Services, LLC
Axiom Engineers
Barber-Nichols Inc.
BARC Electric Cooperative
Bascom Construction, Inc.
Battaglia Electric Inc.
Big Town Mechanical, LLC
Biomass Power Association
Biomass Thermal Energy Council
BLT Sustainable Energy, Inc.
Blue Flint Ethanol
Blue Honey Bio-Fuels
Blue Planet Energy, Inc.
BlueGreen Alliance
Bombard Mechanical
Brayton Energy, LLC
Brightstar Solar
Bucknell University
Burns & McDonnell Engineering
Company, Inc.
Burns Engineering, Inc.
California Association of
Sanitation Agencies
California Business Alliance
for a Green Economy
California Clean DG Coalition (CCDC)
California Department of
General Services
California Energy Storage Alliance
California Power Partners
Cannon Boiler Works Inc
Capstone Turbine Corporation
Carr & Duff Inc.
Cascade Power Group
Caterpillar Inc.
Cavanaugh Electrical Contracting Inc.
CCI Energy
ccrd
CE3
Cedar Tree Enterprises, Inc
CH2M HILL
Chapel Hill - Carrboro
Chamber of Commerce
Chapman Corporation
Charles H MacDonald Electric Inc
Citizen Action Coalition of Indiana
Citizens Thermal Energy
City of Biddeford, Maine
Civic Capital Group, LLC
Clean Light Green Light
CleanTech LA
CleanTECH San Diego
CleanWaveGroup
CMB Associates
Collins Companies
Colonial Electric
Colorado State University
Combustion & Energy Systems Ltd.
Concentric Power, Inc.
Concord Steam Corp
Confluent Energies, Inc.
Conservation Services Group
ConVerdant Vehicles
Cooperative Energy Futures
Coppertoppe Inn & Retreat Center
Coulomb Technologies, Inc.
County of Alameda, CA
Crotched Mountain Foundation
Cummins
Dagher Engineering, PLLC
Davis Frame Company, Inc.
DCO Energy
DE Solutions, Inc.
Desert Plumbing & Heating
Digital Energy Solutions Campaign
Dimond Electric Co, Inc.
Distributed Energy
Financial Group, LLC
District Energy St. Paul
Domtar
Dow Chemical Company
Ductmate Industries
DuPont
Durham Chamber of Commerce
Eagle I. Electric
Eastern Michigan University
Echogen Power Systems, LLC
EcoBuilders of Virginia
E-Finity Distributed Generation, LLC
Eirschele Consulting Services
ElectraTherm
Elliott Company
Encina Wasterwater Authority
Enercon Engineering
Ener-G Rotors
Energenic
Energy Answers
Energy Choice, Inc.
Energy Choices, P.C.
Energy Compression Inc.
Energy Concepts
Energy Coordinating Agency
Energy Cost Reducers
Energy Future Coalition
Energy Matters, Inc.
Energy Resources Center,
University of Illinois at Chicago
Energy Spectrum
Energy Systems Company
energyROI, LLC
Engenaire LLC
Enviro-Max, LLC
ETC Group, LLC
Ethos Energy
Eutectics Consulting LLC
Evergreen Community Power
Ever-Green Energy
Evergreen State Heat & AC
Exergy Partners Corporation
Fairfield University
FiberAmerica
First State Electric
FloDesign Wind Turbine Corp.
FLS Energy
Fond du Lac Tribal and
Community College
FuelCell Energy, Inc.
FVB Energy Inc.
G.R. Noto
Gallagher-Kaiser Corporation
Gas Technology Institute
GE Energy
GEA Engineering, P.C.
Geisinger Health System
General Electrical Service Co
Gestamp Biomass International
GI Endurant, LLC
Glass, Molders, Pottery, Plastics
& Allied Workers International
Union AFL-CIO-CLC
Good Company Associates
Goss Engineering, Inc.
Granite State Biofuels, LLC
Great River Energy
Green Alliance
Green Campus Partners, LLC
Green Environment Energy
Solutions Inc
Greene Tech Renewable Energy
GreenerU, Inc.
Gridwerks Consulting, Inc.
Groom Energy Solutions
Growth Squared
GTL Resources/Illinois River Energy
Gulf Coast Green Energy
H. Ertel, Inc.
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Hansen Mechanical
Harris Companies
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HCS Group, Inc.
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Hidden Fuels, LLC.
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Inc. WBE & WOSB
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Integrated CHP Systems Corp.
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Frost Insulators and Allied Workers
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Electrical Workers Local 98
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Manufacturers
Kestrel Engineering Group Inc.
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Kickham Boiler & Engineering, Inc.
Kilowatt Ours
Koda Energy LLC
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kWhOURS, Inc.
Leber Electric
LED North America
Leva Energy Inc.
Liberty Duct LLC
LightTec, Inc.
Lloyd's Refrigeration
Longwood Energy Group
Los Angeles Business Council
M Gitlin Co. Inc.
Magnitude
Maine Micro Furnace, Inc.
Mark E Vermeer, PLC
Masonic Villages of Pennsylvania
Master Stainless Steel
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Mechanical & Service Contractors
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Mechanical Contractors
Association of America
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MESA Landscape Architects
MGM Resorts International
Michaels Energy
Michigan Environmental Council
Michigan Land Use Institute
Midwest Cogeneration Association
Midwest Renewable
Energy Association
Miller Bros
Minnesota Municipal
Utilities Association
Minnesota National Guard
MMC Contractors West Inc.
Monkeytech International LLC
Moose River Lumber Company, Inc.
Nashua Farmers' Exchange, Inc.
Nashville Wire Products
National Electrical Contractors
Association and 18
Regional Chapters
National Grid
National Insulation Association
New Earth Metals, LLC
New England Clean Energy Council
New England Wood Pellet
New Mexico Green Chamber
of Commerce
New York Presbyterian Hospital
NewLoop Energy
Newman & Company, Inc.
Nexant
Next Step Energy LLC
No Fossil Fuel, LLC
North Carolina State AFL-CIO
North Carolina Sustainable
Energy Association
North Dakota Association of
Rural Electric Cooperatives
North Star Energy Consulting, LLC
Northampton Generating
Company, L.P.
Northeast Clean Heat and
Power Initiative
Northeast Sustainable
Energy Association
Northern Indiana Public
Service Company
Novel Energy Solutions, LLC
NRG Thermal LLC
Nucero Electric
Nuvera Fuel Cells
Ohio Environmental Council
Operation Green Jobs Chicago
Orion Energy Systems
Ormat Technologies
Outpost Solar
OutSmart Power Systems, LLC
Pacific Energy Company
Paramount Group, Inc.
Pathway Lending
Patriot Renewables, LLC
Pennsylvania Biomass
Energy Association
Pennsylvania State University,
College of Agricultural Sciences,
On-Farm Research Program
Pepperell Mill Campus
Philadelphia Gas Works (PGW)
Pleasant View Gardens
Polartec, LLC
Power Management Company
Powers Energy of America, Inc.
Pratt & Whitney Power Systems
Primary Energy Recycling
Prime Solutions, Inc.
princetongreen.org
Pure Strategies
PWI Engineering
Qualcomm Incorporated
Quality Connection of Indianapolis
Quality Mechanical
Quasar Energy Group, LLC
R.E. Lesniak
R.E. North, Inc.
Rahr Malting Co.
Real Energy
Recast Energy
Recovered Energy Resources, Inc.
Recycled Energy Development
RENEW Wisconsin
Renewable Sales LLC
Renovo Power Systems
Resolute Marine Energy, Inc.
Resource Dynamics Corporation
ReVision Energy
Revolution Energy Solutions LLC
RH Irving Homebuilders
RMF Engineering
Robbins Lumber, Inc.
Roy Morrison and Associates LLC
Royal Metal Works
RPM Contractors West Inc.
RTP Environmental Associates Inc.
Rudd Asset Management LLC
Rural Advantage
Ryan Mechanical
S3H Inc.
SAIC
San Francisco State University
Saulsbury Hill Financial, LLC
Saunders Hotel Group
Save Energy Systems, Inc.
Scobell Company, Inc.
Seacoast Energy Alternatives
Seattle Steam Company
Second Generation Energy
Self-Gen, Inc.
Sheet Metal and Air Conditioning
Contractors' National Association
Sheet Metal Contractors
Association of Central Indiana
Sheet Metal Workers'
International Association
Sheet Metal Workers International
Association, Local 20
Shelly Electric Company
Short Elliott Hendrickson Inc. (SEH)
Sidel Systems USA Inc.
Siemens Corporation
Sierra Construction Services
Sierra Nevada Brewery Co.
Silva Energy, LLC
Smartt Chiller Group Inc.
SMRT Architects and Engineers
Solar Energy USA
Solar Heating Services, LLC
Solar Plexus Power, LLC
Solar Turbines Incorporated
SolarZentrum North America, Inc.
Solberg Manufacturing, Inc.
Solstice Architecture
SourceOne, Inc., A Veolia
Energy Company
South Carolina Association of CDCs
South Carolina Small Business
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South Jersey Industries
South Shore Mobility Inc.
Southeast Energy Efficiency Alliance
Southern New Hampshire University
Sustainability Department
Southland Industries
Southwest Air Conditioning
SSM Industries
Star Harvest Solar
Statistics & Controls, Inc.
Summerall Electric Co., Inc.
SunRise Solar Inc.
Superior Electric
Sustainable Futures
Communications, LLC
Sustainable New Energy
SustainX, Inc.
Symbiotic Strategies, LLC
Tarm USA, Inc.
TAS Energy
Teamsters Local 391
Tecogen Inc.
Tennessee Environmental Council
Tennessee Solar Energy Association
Terra Shares
Texas Combined Heat &
Power Initiative
Texas Renewable Energy
Industries Association
The Association of Union Constructors
The Brevort-New York City
Tecogen Inc.
The Buckeye Brewing Company
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Technology Coalition
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U.S. Clean Heat and
Power Association
UGI Utilities, Inc.
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and Pipefitting Industry
United Management & Consultants
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3 local chapters
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University of Michigan
University of Minnesota
Uponor
Urban Grid
US SolarWorks, LLC
Utility Workers of America
Van Ert Electric Company, Inc.
Vanalt Electrical Construction
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Vela Gear Systems
Velcro USA
Veolia Energy North America
Vineyard 29
Viridian
Visionary Industrial Insulation
W.W. Williams - Onsite Energy Group
Wagner Solar Inc.
Walden Asset Management
Waldron Engineering &
Construction, Inc.
Warren Energy Engineering, LLC
Washington Gas
Waste Management
Wellons Energy Solutions Group
WES Engineering
West Side Hammer Electric
Westerlund Communications Inc.
Western Michigan University
WI Sustainable Business Council
Wilson Engineering Services, PC
Wilson Solarpower Corporation
WindPole Ventures
Wisconsin Farmers Union
Wm A.J. Shaeffer's Sons Inc.
World Alliance for
Decentralized Energy
Zapotec Energy, Inc.

*Oak Ridge National Laboratory. Combined Heat & Power:
Effective Energy Solutions for a Sustainable Future, 2008.

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Our helpful household products
are good for this home too.



At Georgia-Pacific, we're proud to have been recognized by the American Forest & Paper Association with its Leaders in Sustainability energy efficiency award. The award is part of the association's Better Practices, Better Planet 2020 Sustainability Awards program. In just two years, Georgia-Pacific's efficiency efforts in its large pulp and paper mills reduced our energy use by more than 2 trillion Btu.

In addition, the company uses woody leftovers and byproducts called "biomass" to generate more than half the energy needed to run our mills. Today we're responsible for more than 12% of all the electricity in the U.S. generated from renewable woody biomass. While we use most of this renewable energy, we also support renewable energy development by selling some of it in the form of renewable energy certificates. These efforts reflect our long-standing commitment to sustainability at every level of our organization, meeting the needs of our planet and our customers.

After all, it's our home, too.



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BROKEN /'BRŌ-KĒN/

DEFINITION: DAMAGED, DEFECTIVE, FRACTURED, UNWORKABLE

SYNONYM: THE RENEWABLE FUEL STANDARD



Eight years of unrealistic biofuel mandates under the failed Renewable Fuel Standard (RFS) has been long enough – it is time to end this broken program once and for all. If the EPA does nothing, the nation will soon hit the E10 blendwall—the point at which no more ethanol can

be blended into the fuel supply without placing consumers at risk for both economic and engine damage.

Full repeal is the only answer to an unworkable and broken RFS. Take action. Visit act.afpm.org and tell Congress to repeal the RFS today.



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WHO SUPPORTS BUILDING KEYSTONE XL?



FRIDAY, MARCH 22, 2013
K M0 DCVA M2 V1 V2 V3 V4
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**Senate backs
Keystone Pipeline
in bipartisan vote**

**62 U.S. Senators.
Including 17 Democrats**

BY JULIET EILPERIN

The Senate voted 62 to 37 Friday in favor of constructing the Keystone XL pipeline, the controversial project that would transport heavy crude oil from Hardisty, Alberta, to Gulf Coast's refineries.

The bipartisan amendment to the Senate budget resolution, authored by Sens. John Hoeven (R-N.D.) and Max Baucus (D-Mont.), has no binding authority. But it shows the significant support for the pipeline on Capitol Hill.

able incumbent... year, from 34... first-term Sen.

Approving the Keystone Pipeline is the perfect opportunity to put Americans to work right now...

WARREN BUFFETT:

"...it makes sense to me."

The Hill, 5/8/12

AND SOME OF AMERICA'S LARGEST LABOR UNIONS.

America's Building Trades Unions - representing over 2 million skilled craft professionals in the United States and Canada.

Rarely do leading Republicans, Democrats, business leaders and labor unions all agree. But on Keystone XL, they do. It will create jobs here at home, and bring energy to America safely and responsibly.

Learn more at API.org.

IT'S TIME. BUILD THE KEYSTONE PIPELINE.

★ ★ ★ ENERGY.AND.NATURAL.RESOURCES ★ ★ ★

ENERGY IS HERE.

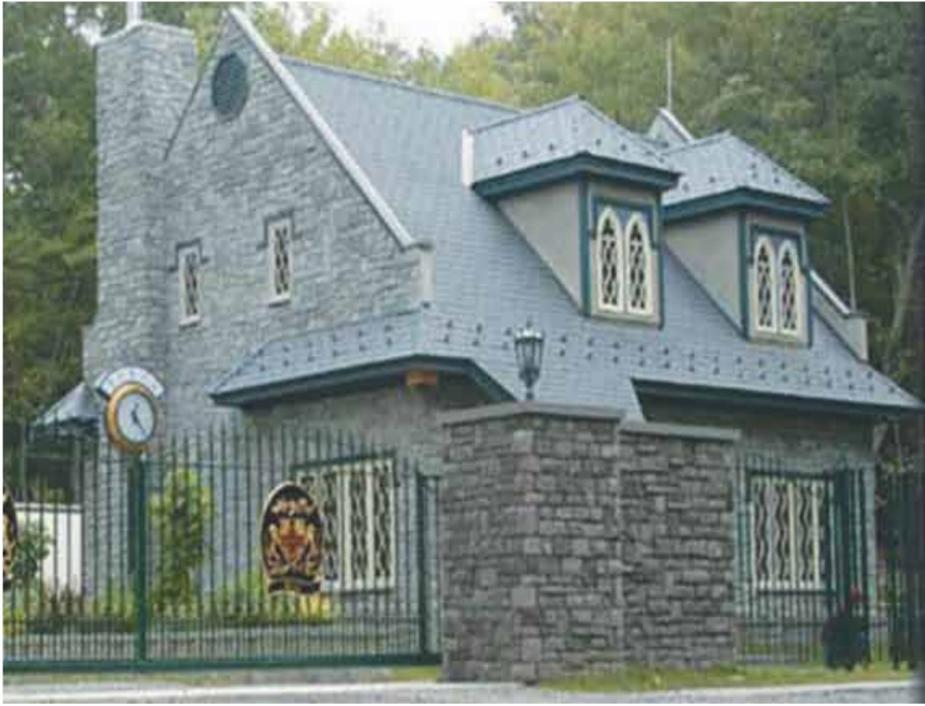
Our Energy Independence is Here NOW.

Coal. Natural Gas. Oil. All Right Here in America. From the Land. From under the Sea.
And by Extracting Those Natural Resources We Can Free Our Nation From the
Dependence on Foreign Energy Sources. Keeping America Free to Set its Own Destiny.

**WE NEED TO DECIDE HOW TO BEST MANAGE
THE ABUNDANCE OF OUR RESOURCES.
HERE AND NOW.**

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VISIT ATR.ORG ★ JOIN US ★ LET YOUR VOICE BE HEARD.



Beyond this Gatehouse is what may well be the "Key" to Cold Fusion — Light Water —

with a bond angle of 114° that may aid in creating heat with cold water... using 2% or less of the energy it creates to generate enough energy to light a home, power the family car or fuel an 18-wheeler on a busy highway.

Water—H₂O (hydrogen hydrogen oxygen) with a simple bond angle of 104° is absolutely essential to life. All life. Not just people and animals, but all organic life on Earth which includes every organic and inorganic living thing on this planet. A space traveler approaching Earth would be amazed at the one key difference between Earth and all of the other planets in our solar system it appears blue. Our planet looks blue not because water is blue, because it isn't. It is the oxygen molecules present in the atmosphere that make it appear blue. NASA calls Earth the "big blue marble." Most scientists are fascinated by the anomaly, but at least one, an engineer by trade, became ever more fascinated by those simple 104° bond angle water drops that still make the world look blue from space. But that engineer and inventor—John Ellis™ of Crystal Clear™—turned water completely upside down using a radically different, patented method of distillation that permanently changes the bond angle of water from 104° to 114°.

Over 50 years ago John Ellis™, who holds over 28 patents in everything from aeronautical design to the most unique water distilling systems in the world stumbled across the process to alter the property of water with the most unique distillers invented by man. Why distillers? Because John Ellis™ became fascinated by the curative characteristics of water. Water is a solvent and a transporter of all of the elements that enter our bodies. Every nutrient we consume as fuel is transported to every cell in our body by water. Our bodies, while carbon-based, are 96% water. The blood that courses through our veins is largely water. That blood, which carries oxygen to every organ in our body does so because water makes blood liquid enough to flow. Without water as a transporter, your blood would thicken into sludge, and just like clean oil is needed to lubricate industrial gears and keep that machinery running smoothly, water is the lubricant that keeps our body parts working smoothly because water is also the cleanser that clears waste from our body.

Add to that John's natural curiosity about...well, just about everything. So when the Ellis family entertained pharmaceutical pioneer Elmer Bobst (head of what was Warner Lambert at that time, now Pfizer), Mary Lasker, founder of the American Cancer Society and a man known to the Ellis family only as "Otto." At the Ellis estate, John was fascinated by the views of his guests. Otto piqued John's interest to delve deeper into water—simple water—to determine its curative properties. Only, the water John Ellis™ electron distillers created was not simple. The idea came from Otto, who turned out to be Baron Otto von Bolshwing—a man with a CIA dossier that any movie director would have paid a fortune to convert into a movie script.

What started John's mind on this odyssey was a comment Otto made: "The only home water system that will work to clear pathogens from the body must change the properties of water, and subject water to intense ultraviolet radiation and heat by repeatedly recycling that water hundreds of times per gallon—not just once!" Then Lasker said something that chilled Ellis to the bones. "Millions of people will become susceptible to cancer [not because they are genetically predisposed to it but] because when the mixtures of drugs and latent disease markers are flushed into the city's sewer system and end up in the ground water supply, eventually to be reprocessed back into our drinking water supply because water treatment plants use a 'single pass' purification, distillation and filtration system..." Those drinking that water will consume whatever pathogens and waste particles were not filtered by nature nor killed in the purification and distillation process at the treatment facility. Remember, we live in a world that reuses everything. Nature is, itself, the world's greatest recycler. What you drink and expel today will quite possibly be in someone else's cooking pot tomorrow.

Edward Coty, a Washington Post Foreign Service writer wrote an article on January 27, 1992, page A10 about a "miracle well" in Tlacote, Mexico. His article began: "By the thousands they waited; men, women and children, equipped with plastic jerrycans and tranquil faith in miracles that has adorned Mexican history since pre-Hispanic times.

"The line stretched alongside a dusty road for more than a quarter of a mile one day last week. On other days it strung out for more than a mile as hundreds of thousands of sick and lame line up for the "light water" in Jesus Chahin's well—the miracle water that is said to cure everything from AIDS and cancer to obesity or high cholesterol.

"For me, all of these things are God's miracles," said Mary Guadalupe Aguilar, a Dominican nun who drove 175 miles from Puebla along with a fellow nun and a priest, Father Juan Crespo, who has prostate cancer.

"Chahin, a wealthy rancher, has been making the water available free to the public since May, 1991 ever since he accidentally discovered its healthy properties by observing the swift recovery of a farm dog who had lapped some of it. But Chahin quickly dismissed the reporters continued reference to "miracle water," by explaining he was using distillers purchased from Crystal Clear in the United States, and the "curative power" comes from the constant movement of water from one metal tank (the distillers) to another. Whenever any of those in search of a miracle through references to Christian faith, Chahin said he tells them there's no miracles here, only science.

"But Chahin, a Roman Catholic himself, makes sure when those seeking water speak of miracles, they understand the water has no divine power. "The water is scientific," Chahin told the Washington Post, but man is God's creation."

Millions of people go to John Ellis.com every year. Thousands of people buy one or more of the Crystal Clear™ distillers that permanently turns the bond angle of his water from 104° to 114°, or they buy gallons and gallons of his water. For that reason, Crystal Clear™ is now the best known distillers in the world. And, for that same reason, sooner or later someone who needs John Ellis water™ for something other than drinking would read the John Ellis™ ads and apply John's water for some other scientific application. All scientific advances begin with curiosity.

The curious person was David Davies, CEO of Powergate Technologies, LLC which has been researching and developing HHO (hydrogen-hydrogen-oxygen) hybrid conversion systems for trucks and cars since late 2007. Powergate's current hybrid system adds 25% to 35% gains in fuel mileage. In addition to creating a fuel-efficient HHO conversion hit for cars and trucks, Powergate is also perfecting a zero-pollution, extremely efficient home heating and cooling system that burns HHO generated from tap water. Add to that the possibility of buying an HHO electric generator that serves as a back-up system to your power company's electrical system.

Okay, now you're curious. What would Davies want with John Ellis' 114° bond angle water, the stuff you drink? Davies discovered that the properties about John Ellis™ water, that makes thousands of American homes buy his water, may well work in an entirely different application. It might even be the key to something called "cold fusion." John Ellis™ water may well be the catalyst that makes cold fusion really work.

Davies, like scores of other HHO developers was quick to grab what information they could from the late Stanley Meyers' 44 patents on HHO technology when the patents expired after Meyers' death in 1997. Meyers claimed to have perfected the science behind HHO powered automobiles which is like claiming you have perfected Cold Fusion) by producing 300% more energy than the electricity required to generate the hydrogen needed to operate the vehicle from water. Meyers was a deliberately obscure inventor who equipped his dune buggy with a HHO fuel system and ran it on nothing but tap water for three years.

As Meyers continued to defend his statements of generating 300% more energy than the electricity consumed to create it, scientists continued to refute his claims by saying an over-unity device was impossible. To prove he was correct, Meyers subjected his patents to three years of rigorous testing by the US Patent Office, proving beyond a shadow of a doubt that his HHO invention really worked. The one problem with Meyers' work is that because he constantly feared someone would steal it, he cloaked his discoveries and methods in obscure terminology that he simply made up to protect his work. He used that created terminology in his patent applications, keeping his code secret. Meyers' Water Fuel Cell, a variation of which is now being used by Davies and everyone else experimenting with HHO, was subjected to three years of testing by the Patent Office and Meyers claims have been substantiated.

Davies had one problem with his invention—he couldn't achieve the 300-to-1 ratio Meyers claimed in his notes. In Meyers' notes, Davies observed the question Meyers asked himself: "How do we switch off the covalent bond of the water molecule, and do it economically?" He answered himself: "We need a way to switch off the bonds and not process the water molecule in any way. Normally the oxygen atom has 8 protons and 8 electrons.

But when the oxygen atom accepts the negatively charged hydrogen electron there is an electrical imbalance. The oxygen atom still has 8 protons, but because of the hydrogen atoms, it has 10 electrons. Meyers realized that because there is no electromagnetic field between hydrogen and oxygen, all he had to do was reverse the electrolysis process. Under Newton's second law, all Meyers had to do was set up opposite electrical charges to make the positive field attract the negative charge. The positive field, according to Coulombs Law, would repel the positive charge and the positive field would then attract the negative charge. When Meyers' patent clerk realized Meyers was describing a form of cold fusion in his patent application, he said: "Why in the world did no one ever think of this?" I think someone did. His name was Michael Faraday.

Faraday may have theorized cold fusion in the early 1800s, long before the technology to achieve it existed. Meyers may have achieved the concept in 1997, but David Davies wasn't getting the results he wanted.

On April 23, 2013 John Ellis™ received a fax from David Davies concerning what the as many as 10,000 pilgrims a day carrying their jerrycans to Jesus Chahin's well called "miracle water." Davies needs some "exceptional" water. In his fax, Davies said:

"I've been researching and building hydrogen generators for big trucks since 2007. So, when a friend of mine sent me a copy of the John Ellis™ water advertisement from a magazine I went ahead and requested a free sample of John Ellis™ water to test with my new HHO (hydrogen-hydrogen-oxygen) cell design.

"After mixing KOH and well water for the electrolyte, I connected my cell to my Pulse Width Modulator that pulses energy from a 12-volt battery. As suspected, the amps shot up to over 35 amps blowing a few 30 amp fuses. So, I added two cups of hydrogen peroxide to dilute the electrolyte. "The cell had excellent HHO output and the amperage immediately dropped a little bit down to 29 to 30 amp range where it remained. Every day I ran the cell for about 15 minutes and the amps remained in the same 29 to 30 range.

Then my 4 oz. free sample of John Ellis™ water arrived so I put 10 drops of the water into the electrolyte. I continued to run the cell several times a day for 15 to 30 minutes and, to my surprise, the amperage kept getting lower. It was using less of the battery's power to make hydrogen. A couple of days later the cell was still producing

lots of HHO, But the amps had dropped to about 15 amps, then to 12, then to 7.5 amps. So, I decided if a little more John Ellis™ water could make the electrolysis so efficient, I would add another 10 drops. The amps continued to drop. I was dumbfounded. My electronic engineer said there had to be something wrong with my ammeter or I messed up my experiment somehow. After seven days of testing, it remained steady at 1 amp—but the HHO output was the same as when the cell required 33 amps.

Today, I decided to save the electrolyte with the John Ellis™ water and use it to test a brand new cell in case there was something defective with the original test cell. To my total amazement, the cell began to produce lots of HHO as it was "broken in"...but the amps dropped from one amp to an indicated zero amps. The ammeter goes up to 60 amps so the calibrations are coarse, but even so, my new cell is using no more than 1/2 amp to produce lots of HHO.

As a researcher who devotes all of his time in the study of using water for the fuel process, this appears to be a breakthrough since I'm producing abundant HHO (lots of energy when burned), using almost no electrical power to generate the HHO fuel. This is the cleanest energy on the planet since the only emissions when HHO is burned is pure H₂O. If the John Ellis™ water is used with my new cell design, fuel mileage will go way up. The HHO can also be used to heat and power your home because they are no harmful emissions, and it is so efficient the device, using John Ellis™ water as a booster, consumes very little Electricity."

Each new discovery man makes is a new first step of a new journey to even more important discoveries. Stanley Meyers started the journey that David Davies now walks. Davies footsteps just crossed paths with the footsteps of engineer and scientist John Ellis who discovered that H₂O with a bond angle of 114° instead of 104° permanently alters water and makes HHO burn a hundred times more efficiently.

About the same time Davies was starting Powergate, Dennis J. Klein of Clearwater, Florida formed his own company, also in the footsteps of Stanley Meyers' genius. His company is called Hydrogen Technologies Applications. He is also using HHO to power cars. He branded his product as Aquygen® gas (a new spelling for the word "oxygen.") Klein converted his Ford Escort to use HHO. He calls his hybrid HHO system HHOS for "a hybrid hydrogen-oxygen system."

What makes Klien's HHO application interesting is that after converting his Escort into a HHO hybrid, he began experimenting with other applications for HHO gas. Klein converted a normal acetylene torch into a HHO torch. When he lights up the torch, he can place his bare fingers at the metal tip of the torch just below the flame—and it remains cool to the touch. Yet the flame of the torch is so hot it will immediately cut a building brick in half with a heat comparable to the heat of the sun. The heat was so intense, it took only seconds to burn a hole completely through a cannonball-sized piece of charcoal. Three seconds turned a brass ball into a glowing sphere and tungsten lights up like a fluorescent tube. Steel slices on contact. Yet, the instant Klein turned off the torch, it was still cool to the touch. That is Cold Fusion.

If Cold Fusion has been around since before 1997, why are our cars powered by gasoline, and our homes heated, cooled and lighted by coal and oil? Because, until David Davies put ten drops of John Ellis' 114° bond angle H₂O in the hydrogen cell he was experimenting with, HHO consumed too much of the power it produced while creating it. **But it just may be that the world's purest and most pathogen-free drinking water just may be the key to Cold Fusion. In fact, if you really think about it, when you look at the John Ellis water™ for drinking, you could probably call it "cold fusion for the body."**

About John Ellis Water®The 82 year old inventor is a Choate School and Lafayette College Engineering graduate. At just 17 years old, he invented a scientific measuring device that is still used worldwide. After working as an Oil Well Engineer, a Design Engineer at Douglas Aerospace and Honeywell Engineer, he started his own business at age 30 and invented a switch that operates (on-off) within .0001 of an inch. Honeywell and Military/Industrial users say, "He's the only person that knows how to produce it!" Likewise, textbook sciences claim "you can't change water properties" but **John Ellis HAS changed the properties of water...for the benefit of all mankind!**



LISTEN TO A TOLL FREE RECORDING AT 1-800-433-9553
Watch a video online of John Ellis, 82 year old Inventor • www.WaterCuresAnything.com