

River City to Hydrogen

Bringing NEW-ENERGY TO Philadelphia NOW

RcTH is the most practical and leading proposition to effectively transition Philadelphia from fossil fuels to Green energy. The essence of RcTH is generating highly affordable renewable energy from Water & Recycled Sewage by merely modifying this river city's already functioning utilities infrastructure. This provides the most cost effective total transition to alternative energy economically possible. It's also a systemic solution to our city's leading challenges: the silent Energy Crisis, FRACKING, and a feasible transition to regional clean abundant energy.

What is The Science Behind It? RcTH contains the engineering science to convert fresh Water to H₂, city Sewage to a H₂-rich clean SynGas, and Nuclear Plants to H₂ Power Generators. The end byproduct of each energy generation process is suspended oxygen and water vapor. SynGas, processed via a clean heating process, mitigates continuous daily city sewage pollution affecting our atmosphere, recycling toxic gases into clean energy. Energy production from Water is possible through freshwater undergoing [Super Electrolysis](#) . [Pipelined water coming from our Delaware River flows through a ceramic Alkaloid Screen. Its molecular structure, when conducting low electric current, is designed to generate the Resonant Frequency of H₂O. Splitting water molecules into O + H₂ and filtering out Oxygen via pressure, this unique form of Electrolysis produces high concentrations of Hydrogen with minimal energy input is needed. H₂ is one of the most available sources of energy as we continuously receive water from nature and it is the most abundant atom in the cosmos. When used as energy, the water vapor byproduct is automatically returned back into the system.](#) [\[Free-Energy.ws/electrolysis.html\]](#)

The Background on RcTH begins with [ProtonOnSite](#) and [Intellergy](#) , engineers of these technologies. [Over the past 15 years, a growing number of private enterprises around the world have utilized these advancements. Through the work of The United Block Captain's Association Community Trust For Family Improvement these technologies were configured for a city-scale design by a team of engineers and accredited municipal experts.](#) [\[ProtonOnSite.com\]](#) & [\[Intellergy.com\]](#)

Making the Transition to RcTH is a virtually effortless leap to alternative energy, at no infrastructure & facility construction cost. RcTH remarkably utilizes the present functioning Natural Gas & Water Department framework through bridging infrastructure components together. Not only does this make a switch *incredibly inexpensive*, merely a *few months* are needed for the transition. Following a Two-Phase process [Phase 1] H₂ will be introduced into the running NG line system using 80% NG and 20% H₂. This conveniently enables the industry to remain operational through gradual transition. [Phase 2] Eventually after further modifications the City ends the use of NG and completely runs H₂.

Solar & Wind Energy are nowhere near as effective as H₂. The high potency of H₂ outweighs the limited energy provided by Solar or Wind energy. These work fine on a small limited scale, however, for an entire city to rely upon this option it would require an extravagant budget and large scale engineering, city planning, construction, and other related costs to cover the region with solar &/or wind generation. Many complexities and challenges come to such an endeavor, like how to replicate the massive energy and efficiency created by the present system. Instead, in a matter of months, H₂ can easily be produced and distributed across the city with *greater energy output from the system than input*, unlike Solar or Wind, thus making the system *Over-Unity*. Philadelphia is most eligible for a H₂ switch due to the geography of our urban layout and without new infrastructure construction.

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Why Did The City Not Convert Yet? is the ultimate question. Senior development and configuration management engineers previously conducted a configuration study of this Project. Back in 2007, this study and the RCtH project were first submitted to Mayor Nutter and City Counsel. We know that many oil company lobbyists fear losing an industry monopoly in the marketplace. So far the energy market has been ***fueled, controlled, and manipulated by leading fossil fuel industries.*** We believe this influence has been a factor in the project being tabled and resubmitted each year. ***We Citizens have a duty to stand up and be firm with our elected officials!*** Voted in by citizens, they have been delegated responsibility to follow through with developing the city & enacting beneficial initiatives.

The Silent Energy Crisis & Dependence on Fossil Fuels is an immense pending dilemma concerning our city and planet. City politicians have remained silent on this, as engineering development lies outside their expertise. Since the 1970's the USA has reached its Peak Oil production. Since then US is predominately importing Oil from overseas. Global Peak Oil production was in 2007. There are no political or economic methods to fix this. ***Civilization cannot continue without transitioning off of fossil fuels, leaving no choice but for our city to switch to an alternative source of energy.*** We will run out of oil within our life time. The oil industry and politicians don't know how to resolve this so they have turned to other fossil fuels and nuclear energy. This leaves the pending crisis hidden as they continue to talk about solar and wind power, which don't match the economy of fossil fuels. As we see each month, Gasoline and NG prices have been ever increasing, and will inevitably skyrocket further. ***H2 is much more available than NG and Petrol,*** transports cheaper in a pipeline, and most importantly is safer than NG. H2 is non-toxic, more difficult to ignite, and the ambient water residue via its byproduct make secondary flames more difficult than NG. Since no new infrastructure needs to be built, RCtH is the ***fastest way to completely liberate our City from Fossil Fuel, once approval is won.*** [NationalHydrogenStandardAssociation.com]

FRACKING has been the method Fossil Fuel industries here in PA and other states have been using to acquire what fossil fuel remains for their dying industry. Fracking is a process of fracturing the delicate geological layers of the earth, drilling through natural underground fresh water layers. As predicted long ago by professional geologists, this technique has been proven to ***stimulate earthquakes, contaminate air, and emanate radioactive pollution.*** Many people have already ***died*** from Fracking related effects and regional water poisoning has happened across the US, including 7 locations outside of Philly. Philly water originates from a prime Fracking location, recently generating a warning sign by contaminating the water of a few Philadelphia residences. This deadly technique has been the method by which you, and other Philadelphians, have been receiving a small amount of the gas lighting your stove and heating your home. All City residents' lives are at risk due to Fracking. RCtH gives a ***basis for bringing an end to fracking.*** The problem will never go away unless the city immediately integrates an alternative to FFs. [DelawareRiverKeeper.org]

Nuclear to Hydrogen Energy is another amazing component of RCtH. Politicians have given the impression that Nuclear energy is an ultimate solution to Fossil Fuels. This is not the case, as we can all see from the recent ***Fukushima nuclear meltdown*** and various other nuclear disasters. Nuclear is not safe, especially with the reality that enriched uranium in present stock, will reach its ***half-life*** in 2013. By that point its energy production will drop, like Peak Oil, requiring a new energy source. Worse off, Uranium at its half-life is increasingly ***unstable*** over time. A large percentage of Philly's electricity comes from nuclear power plants located near the City. A ***Nuclear Peak*** is about to happen, creating a ***pending danger*** in PA. With no construction cost, RCtH will be able to convert existing Nuclear Plants next to rivers into H2 Power Plants.

Privatization of Public Utilities is one of the major battles in Philly politics. Lazard, one of the biggest financial firms of the region, is pushing the privatization of PGW. They are seeking to replicate their practice of privatizing city utilities across the states, downsizing staff, gaining huge insider profit, and leaving the

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department in *bankruptcy*. Philly is next on the agenda. ***We must stop this!*** The City Utilities have already been under a state of semi-privatization where these departments have become private enterprises with majority stock ownership by the city. This is already *illegal* based on [Article 27] The Commonwealth of PA's Constitution, in which the *citizens own* the City *Commons*. While the city is the main stockholder, there are plenty of holders that are *not City Citizens*. This is illegal! The City is *required* to use its capabilities to *maximize benefit for the People, the Legal Owners of Philadelphia Resources*. This requires the city to transition from insufficient, dangerous fossil fuel and nuclear energy to H2, as it is the most feasible method available and will enhance the economy.

Details: [<http://www.citypaper.net/news/2012-03-08-philadelphia-pgw-sale.html>]

Bringing Citizen & Employee Ownership of Utilities is one of the greatest benefits RCtH offers this city. In merging PGW, PWD, and PECO, the Philadelphia Energy & Water Works will provide many benefits to its employees and we citizens of Philadelphia. Implementing Cooperative Business Management and Employee Citizen Ownership is the forefront of PEWW. These are standard, leading, and effective enterprise management models around the world. Bringing this autonomy to the industry keeps manipulative politics off the industry and empowers it to further innovate. The *Public will be PAID by PEWW each month* for its H2 profit generation, much like the Alaskan Permanent Fund. [CESJ.org] & [pfd.state.ak.us]

What RCtH Brings to Philly is massive benefit across the board. Presently our utilities industry is 1.1 Billion in debt with natural gas pipelines in great *need of repair & maintenance*. This is a direct danger to the public as the pipelines are at *risk to explode without repair*. Right now, NG is costing the City and Public \$550 million a year. However, with implementing RCtH, after the restructuring and repair cost of the system, the *PEWW will generate continuous revenue*. Through over-unity production H2 can be sold to the larger National Market, provide better energy to cities outside of Philly, and return revenue back to the City. Revitalizing the industry, *many new long term jobs* will be created at PEWW and the city. H2 production will attract & motivate new industries to move to the city, creating more new jobs, and keep existing industry here. In conjunction with a public energy revenue fund, *energy pays citizens* rather than citizens paying for energy, meaning RCtH will *greatly advance the city's economy*. Once Philadelphia changes to H2, it will open the door for other US River Cities to move beyond Fossil Fuels.

Your City Needs YOUR Support! These issues are vital to each person within and outside of Philly. Spread awareness of the various stated issues and Project RCtH. Send this Petition to people you know, businesses, and organizations. We encourage everyone to do his/her own research. ***Be the change*** by making your beautiful City of Philadelphia a *leading city in transforming this world to alternative energy*. **A New Online Petition** has been created to facilitate this important process and make the petition accessible to everyone to share. *Only 1,000 more signatures of Philadelphia Residents* are needed for the Petition to enact RCtH.

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Speak With Your District Rep, City Counsel & The Mayor:

Tell Them– “As a Citizen of Philadelphia & Mutual Owner of the City Commons I *request* that Philadelphia’s Utilities *not be privatized* and that PA *End Fracking*. It is *against the Law* and Constitution of the Commonwealth of Pennsylvania. I *request* that Philadelphia *implements River City to Hydrogen right now* and that the *revenue* produced by the establishment of this new system *goes directly to the Citizens of Philadelphia*. Thank you for performing your elected duty, which the PA constitution establishes, in fulfilling the greatest benefit for the incredible People of Philadelphia.”

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Web Site with hydrogen forum section <http://www.cnn-forum-wpeb.webs.com> -