

**Bermuda has power and
water problems that can't
be solved with today's
technology.**



Clean
Water & Power™

This is something new!

CONFIDENTIALITY & NON-CIRCUMVENTION AGREEMENT

This Confidentiality & Non-Circumvention Agreement ("Agreement") is entered into on Today's date_____ ("Date")
Regarding the: Inventions and designs of Brad Sorensen
Between Brad Sorensen, Invention and Design, ("Company" and "Owner") and

("Recipient")

DEFINITIONS For the purposes of this Agreement, "Confidential Information" shall mean that Recipient shall not disclose any information concerning the inventions of the Owner to any individual or entity at any time. Confidential Information shall mean that Recipient shall not disclose any information, written, drawn or spoken, including, but not limited to, sketches, plans, layouts, drawings, renderings, paintings, computer aided design, business contacts, floor-plans, funding sources, business contacts, business plans, technology, operations, systems, inventions, trademarks, copyrights, trade secrets, concepts, prototypes or business affairs of Owner, or of another party whose information Owner has in its contracts, to any individual or entity at any time which (i) is disclosed by Owner or its affiliates to Recipient or its affiliates, indicating its confidential or proprietary nature, or is obviously confidential or proprietary by its nature, or (ii) is developed during the relationship between the parties and would give or increase the advantage of Owner's competitors over the Owner or diminish the Owner's advantage over its competitors. The term "affiliate" shall mean any person or entity controlling, controlled by or under common control with a party. Recipient agrees to follow all of Owner's security procedures including, but not limited to, maintaining the secrecy of all Confidential Information and all of Owner's information and materials (whether confidential or not). Recipient further agrees that Recipient shall maintain all Confidential Information and materials of which Recipient becomes aware in a manner that will preserve its confidentiality and secrecy.

EXCLUSIONS Confidential Information shall not include any information of Owner that (i) is already known to Recipient at time of its disclosure; (ii) becomes available to Recipient from a lawful source other than the Owner; (iii) is or becomes public knowledge without the fault of the Recipient; (iv) is or becomes on an unrestricted basis to a third party from Owner or from someone acting under Owner's control; (v) is communicated by Recipient to a third party with express written consent of the Owner; (vi) is lawfully required to be disclosed, provided that before making such disclosure, the Recipient shall immediately give Owner written notice and cooperate in Owner's actions to secure confidential handling of such information.

OWNERSHIP All Confidential Information, in whatever form, including without limitation, drawings, sketches, renderings, computer aided design, contracts, business contacts and/or information in computer software or held in electronic storage media, shall be and remain the property of the Owner. All such Confidential Information shall be returned to Owner promptly upon written request and shall not be retained in any form by Recipient.

TERM For a period of ten (10) years from the date of disclosure, Recipient shall not disclose any Confidential Information to any person or entity except employees of Recipient and its affiliates who have a need to know and who have executed this Agreement and have been informed of Recipient's obligations under this Agreement. Recipient shall use not less than the same degree of care to avoid disclosure of Confidential Information as Recipient used for its own confidential information of like importance and, at a minimum, shall exercise reasonable care. Either party may terminate this Agreement by written notice to the other. However, all rights and obligations under this Agreement shall survive with respect to Confidential Information disclosed prior to termination.

NON-CIRCUMVENTION The parties agree that confidential Information shall not be used for the enrichment, directly or indirectly, of the Recipient or its affiliates, without the express written consent of Owner. The parties further agree that following receipt of Confidential Information from Owner, Recipient shall not contract or attempt to sell to, transact with or purchase from Owner-provided sources without the written permission from Owner.

REMEDIES The parties agree that in the event of a breach or threatened breach of the terms of this Agreement, the non-breaching party shall be entitled to an injunction in addition to, and not in lieu of, any other legal or equitable relief including monetary damages. The parties acknowledge that Confidential Information is valuable and unique and that its disclosure or circumvention will result in irreparable damage to Owner. Recipient understands and agrees that any disclosure or misappropriation of any of the Confidential Information at any time in violation of this Agreement will cause Owner irreparable harm, including, but not limited to; adversely affecting the ability of the Owner to file trademarks, patents or copyrights on the confidential information, allowing competitors to develop similar products to the Owner, allowing competitors to gain a market advantage over the Owner and/or placing Owner in breach of their respective agreements with third parties, and given that the extent or amount of such damages would be difficult or impossible to ascertain in a court of law, Recipient agrees that Recipient shall pay to Owner an amount equal to five million dollars of liquidated damages, and not as a penalty, which amount represents the result of a reasonable endeavor by Owner and Recipient to ascertain the fair average compensation for any harm that Owner will sustain as the result of such disclosure or misappropriation. Recipient expressly agrees that this liquidated damages amount represents reasonable compensation for the harm that will be incurred by Owner as a result of such disclosure or misappropriation, that this liquidated damages provision is necessary because Owner will in fact suffer significant damages as a result of violation of this Agreement, and that the amount of those damages is impracticable to calculate or ascertain with certainty or specificity. Notwithstanding the liquidated damages provided for herein, Recipient understands and agrees that such liquidated damages or any

monetary damages will not be sufficient to avoid and/or compensate Owner for the unauthorized use or disclosure of the Confidential Information and that injunctive or other equitable relief would be appropriate to prevent any improper actual or threatened use or disclosure of the Confidential Information or other breach of this Agreement.

MISCELLANEOUS Any failure or delay by the parties in exercising any right, power or privilege hereunder shall not invalidate the rights, power or privileges provided under this Agreement. This Agreement shall be governed by the laws of the State of California, without regard to the principles regarding choice of law. If any provision of this Agreement shall be invalid under such laws, the validity of the others shall not be affected. The State and/or Federal courts located in Los Angeles County, California shall be the exclusive and proper jurisdiction for any disputes arising hereunder. Should a party be found to be in violation of this Agreement following due process, the violating party agrees to pay all costs and expenses, including attorney's fees and disbursements incurred by the non-violating (other party) in enforcing the terms of this Agreement. Recipient agrees that the court's ruling shall be final and binding and not subject to appeal or challenge. Recipient further agrees that the court proceedings, testimony, discovery and documents filed in the course of such proceedings, including the fact that the court case is being conducted, will be treated as confidential and will not be disclosed to any third party to such proceedings, except to the court and the court staff, the parties' attorneys and their staff, and any experts retained by the parties.

COMPLETE AGREEMENT This Agreement: (i) is the complete agreement of the parties concerning this subject matter; (ii) may not be amended except in writing signed by both parties; and (iii) is executed by authorized representative of each party. Recipient hereby acknowledges and certifies that Recipient has read and understands this Agreement that the consequences and implications of its breach have been explained to Recipient, and that Recipient agrees to abide by the terms of this Agreement. Recipient agrees, if required or asked by Owner, to execute in the future an additional confidentiality agreement in connection with Recipient should Owner decide such an agreement is necessary for any reason. The parties agree that facsimile signatures are binding and considered as original.

IN WITNESS WHEREOF, the undersigned, intending to be legally bound, have executed this Agreement effective as of the date indicated above.

Name of Recipient Company and/or Individual Recipient

Signature

Name & Title

Date

Please sign and email to:

sorensen.design@gte.net

“We can't solve problems by using the same kind of thinking we used when we created them.” -Einstein



The existing power system in Bermuda is old and polluting.

This proposal provides clean water and clean power and a new underground electric grid, protected from future hurricanes.

Bermuda's old and polluting power and water system will be completely replaced with at least 200MW of clean energy and clean water generators, located underground, that plug into a new underground grid and water supply system to survive future hurricanes, floods and other natural disasters.



Liquefied Natural Gas (LNG) may be the latest petrol thing, but it is still a toxic, polluting, dirty, smelly, leaky, poisonous, mess.

CLEAN Water&Power generators are carbon free.

**Only hydrogen and oxygen split from seawater are burned.
The heat from the hydrogen burn makes high-pressure steam.**

The steam drives a turbine, which drives a generator.

The steam is distilled to make millions of liters of water.

Eventually this water goes back to the sea where it mixes with the salt to keep the ocean salinity stable over time.

The generators will be made in USA and shipped to Bermuda.



CLEAN Water&Power generators can be placed in existing nuclear, coal, oil and gas power plants to go from toxic to clean. We simply attach our high-pressure steam output to the high-pressure steam inlet of the existing power plant to go through the high, intermediate and low-pressure turbines for power.

Let's look at the problem. Burning heavy oil and toxic diesel.

The screenshot shows the BELCO website with a green header and navigation bar. The main content area is divided into three columns. The left column contains 'StreetLight Reporting' and 'Tree Trimming Requests'. The middle column features 'Generation in Bermuda', which details the Central Plant's location, capacity, and fuel sources. The right column lists 'Integrated Resource Plan', 'Scheduled Service Interruptions', 'Scholarships & Education', and 'Electrical Safety'.

BELCO

Home About BELCO Services Storm Centre Education Careers News Contact BELCO Account Access

Public Notices: After hurricane power outage, protect appliances, electronics - unplug, shut off fuses

StreetLight Reporting

Three ways to report:
Use our interactive map

Email streetlights@belco.bm

- Phone 955

Tree Trimming Requests

For tree trimming related service interruption requests:

- Call: 296-3408
- Email treetrimming@belco.bm
- Fill out [Service Interruption Form](#) online

Read BELCO's Tree Trimming

Generation in Bermuda

BELCO's Central Plant is located on 23 acres of property in Pembroke. It is divided into the the East and West Power Stations, containing a total of 21 diesel and gas turbine engines. All of these units generate power at a frequency of 60Hz. The derated maximum amount of power BELCO's generation plant produces is 167 MW of electricity.

The diesel engines carry the basic load of power used on a daily basis. They are slower to start up than the gas turbine engines but are more efficient to operate. In contrast, the gas turbine engines can be used almost immediately upon being started up.

The demand for electricity is always greater in the summer than in the winter. This is because the people of Bermuda begin using air conditioners as the weather gets hotter. To date, the highest summer peak demand of 122.8 MW was recorded in August 2010.

Fuel: The fuel used for the engines at BELCO varies, depending on which engines are in operation. Heavy fuel oil is used to operate the four newest diesel engines and light diesel fuel is used to operate the gas turbine engines.

BELCO imports all of its fuel. The fuel is pumped through a nine-mile pipeline from Esso's storage tanks to three bunker tanks on the BELCO property. In 2009, BELCO used approximately one million barrels of fuel to produce electricity for Bermuda.

Integrated Resource Plan

IRP News Release

BELCO IRP Document

Scheduled Service Interruptions

Sandys - December 14

Scholarships & Education

BELCO Scholarship Application Forms

Electrical Safety

Beware of Sparks or Fires

Playing Safely

Outside Your Home

Inside Your Home

Call Before You Dig

According to Wikipedia, Bermuda is a 167MW grid.

Unfortunately this grid burns carcinogenic heavy diesel oil in the new generators or toxic light diesel oil turbines.

**Fortunately, all of these problems can be solved with
CLEAN Water&Power**



According to Belco, Bermuda, they burn one million, 55-gallon, barrels of heavy oil and diesel per year into the air of Bermuda.

Poisoning Paradise.



Belco profits over people's health.
CLEAN Water&Power is the answer.

Belco's ageing generators at breaking point

Jonathan Kent, Business Editor

Published Jun 15, 2017 at 8:00 am (Updated Jun 14, 2017 at 9:36 pm)

39 Comments

Print Email Facebook Twitter -A A+ ShareThis

First Prev 1 2 3 4 5 6 7 Next Last



Powerhouse: a generator in the Old Power Station at Belco's complex (Photograph by Akil Simmons)

Related Stories

- » Belco survey this month
- » Training exercises at Belco
- » RA requests an integrated plan from Belco
- » Lister link to Belco buyout bid
- » Belco and RA at odds over generator plans
- » Belco road works advisory

When Belco workers opened up one of their huge generators — known as E3 — for a routine overhaul last month, they got a nasty surprise. Inside the heavy oil-burning beast, half of the 16 connecting rods that link the pistons to the crankshaft were seriously worn and had to be replaced. Had one of them broken, “catastrophic failure” would have resulted, potentially fatal for the 32-year-old generator, potentially dangerous for staff, hugely expensive and disruptive for the island’s electricity supply.

Fortunately E3 was caught before the worst happened, but engine D8 was less fortunate. A bearing shell broke inside the colossal engine, forcing it to be shut down. D8 is housed in what is known as the Old Power Station, the oldest part of the Belco complex, a structure built about 100 years ago. Decades of ingrained industrial grime give the building a distinctly Dickensian look.

According to plant manager Elizabeth Davidge, speaking on a media tour of the plant, D8 will be out of action for at least four weeks while the repairs take place. D8 owes Bermuda nothing, having toiled for nearly four decades to generate electricity for the island. It may be many years past its retirement date, but it remains a key part of the energy infrastructure — its eight megawatts represent 5 per cent of Belco’s entire capacity.

Two of the other near 40-year-old engines in the Old Power Station have been retired — or rather they retired themselves. One gave up the ghost in 2009, another in 2015.

Belco gave the media a glimpse inside its operations at a time when the utility is awaiting approval for its capital plan from the Regulatory Authority and the Bermuda Government that would enable it to replace the ageing generators. It wants to decommission half of its 160-megawatt capacity over the next three years and replace it with new more efficient natural gas-burning generators providing 60 megawatts.

The screenshot displays the ArcMap application window. The title bar reads "Untitled - ArcMap - ArcInfo". The menu bar includes "File", "Edit", "View", "Insert", "Selection", "Tools", "Window", and "Help". The toolbar contains icons for opening files, saving, undo, redo, and other standard GIS functions. The main map area shows a street network with labels such as "LAPSEY LANE", "LAC-4A", "LAC-3B", "LAC-2C", "LAC-4C", "LAC-3A", "LAC-2A", "LAC-1A", "LAC-1B", "LAC-1C", "LAC-1D", "LAC-1E", "LAC-1F", "LAC-1G", "LAC-1H", "LAC-1I", "LAC-1J", "LAC-1K", "LAC-1L", "LAC-1M", "LAC-1N", "LAC-1O", "LAC-1P", "LAC-1Q", "LAC-1R", "LAC-1S", "LAC-1T", "LAC-1U", "LAC-1V", "LAC-1W", "LAC-1X", "LAC-1Y", "LAC-1Z", "LAC-2A", "LAC-2B", "LAC-2C", "LAC-2D", "LAC-2E", "LAC-2F", "LAC-2G", "LAC-2H", "LAC-2I", "LAC-2J", "LAC-2K", "LAC-2L", "LAC-2M", "LAC-2N", "LAC-2O", "LAC-2P", "LAC-2Q", "LAC-2R", "LAC-2S", "LAC-2T", "LAC-2U", "LAC-2V", "LAC-2W", "LAC-2X", "LAC-2Y", "LAC-2Z", "LAC-3A", "LAC-3B", "LAC-3C", "LAC-3D", "LAC-3E", "LAC-3F", "LAC-3G", "LAC-3H", "LAC-3I", "LAC-3J", "LAC-3K", "LAC-3L", "LAC-3M", "LAC-3N", "LAC-3O", "LAC-3P", "LAC-3Q", "LAC-3R", "LAC-3S", "LAC-3T", "LAC-3U", "LAC-3V", "LAC-3W", "LAC-3X", "LAC-3Y", "LAC-3Z", "LAC-4A", "LAC-4B", "LAC-4C", "LAC-4D", "LAC-4E", "LAC-4F", "LAC-4G", "LAC-4H", "LAC-4I", "LAC-4J", "LAC-4K", "LAC-4L", "LAC-4M", "LAC-4N", "LAC-4O", "LAC-4P", "LAC-4Q", "LAC-4R", "LAC-4S", "LAC-4T", "LAC-4U", "LAC-4V", "LAC-4W", "LAC-4X", "LAC-4Y", "LAC-4Z", "LAC-5A", "LAC-5B", "LAC-5C", "LAC-5D", "LAC-5E", "LAC-5F", "LAC-5G", "LAC-5H", "LAC-5I", "LAC-5J", "LAC-5K", "LAC-5L", "LAC-5M", "LAC-5N", "LAC-5O", "LAC-5P", "LAC-5Q", "LAC-5R", "LAC-5S", "LAC-5T", "LAC-5U", "LAC-5V", "LAC-5W", "LAC-5X", "LAC-5Y", "LAC-5Z", "LAC-6A", "LAC-6B", "LAC-6C", "LAC-6D", "LAC-6E", "LAC-6F", "LAC-6G", "LAC-6H", "LAC-6I", "LAC-6J", "LAC-6K", "LAC-6L", "LAC-6M", "LAC-6N", "LAC-6O", "LAC-6P", "LAC-6Q", "LAC-6R", "LAC-6S", "LAC-6T", "LAC-6U", "LAC-6V", "LAC-6W", "LAC-6X", "LAC-6Y", "LAC-6Z", "LAC-7A", "LAC-7B", "LAC-7C", "LAC-7D", "LAC-7E", "LAC-7F", "LAC-7G", "LAC-7H", "LAC-7I", "LAC-7J", "LAC-7K", "LAC-7L", "LAC-7M", "LAC-7N", "LAC-7O", "LAC-7P", "LAC-7Q", "LAC-7R", "LAC-7S", "LAC-7T", "LAC-7U", "LAC-7V", "LAC-7W", "LAC-7X", "LAC-7Y", "LAC-7Z", "LAC-8A", "LAC-8B", "LAC-8C", "LAC-8D", "LAC-8E", "LAC-8F", "LAC-8G", "LAC-8H", "LAC-8I", "LAC-8J", "LAC-8K", "LAC-8L", "LAC-8M", "LAC-8N", "LAC-8O", "LAC-8P", "LAC-8Q", "LAC-8R", "LAC-8S", "LAC-8T", "LAC-8U", "LAC-8V", "LAC-8W", "LAC-8X", "LAC-8Y", "LAC-8Z", "LAC-9A", "LAC-9B", "LAC-9C", "LAC-9D", "LAC-9E", "LAC-9F", "LAC-9G", "LAC-9H", "LAC-9I", "LAC-9J", "LAC-9K", "LAC-9L", "LAC-9M", "LAC-9N", "LAC-9O", "LAC-9P", "LAC-9Q", "LAC-9R", "LAC-9S", "LAC-9T", "LAC-9U", "LAC-9V", "LAC-9W", "LAC-9X", "LAC-9Y", "LAC-9Z", "LAC-10A", "LAC-10B", "LAC-10C", "LAC-10D", "LAC-10E", "LAC-10F", "LAC-10G", "LAC-10H", "LAC-10I", "LAC-10J", "LAC-10K", "LAC-10L", "LAC-10M", "LAC-10N", "LAC-10O", "LAC-10P", "LAC-10Q", "LAC-10R", "LAC-10S", "LAC-10T", "LAC-10U", "LAC-10V", "LAC-10W", "LAC-10X", "LAC-10Y", "LAC-10Z", "LAC-11A", "LAC-11B", "LAC-11C", "LAC-11D", "LAC-11E", "LAC-11F", "LAC-11G", "LAC-11H", "LAC-11I", "LAC-11J", "LAC-11K", "LAC-11L", "LAC-11M", "LAC-11N", "LAC-11O", "LAC-11P", "LAC-11Q", "LAC-11R", "LAC-11S", "LAC-11T", "LAC-11U", "LAC-11V", "LAC-11W", "LAC-11X", "LAC-11Y", "LAC-11Z", "LAC-12A", "LAC-12B", "LAC-12C", "LAC-12D", "LAC-12E", "LAC-12F", "LAC-12G", "LAC-12H", "LAC-12I", "LAC-12J", "LAC-12K", "LAC-12L", "LAC-12M", "LAC-12N", "LAC-12O", "LAC-12P", "LAC-12Q", "LAC-12R", "LAC-12S", "LAC-12T", "LAC-12U", "LAC-12V", "LAC-12W", "LAC-12X", "LAC-12Y", "LAC-12Z", "LAC-13A", "LAC-13B", "LAC-13C", "LAC-13D", "LAC-13E", "LAC-13F", "LAC-13G", "LAC-13H", "LAC-13I", "LAC-13J", "LAC-13K", "LAC-13L", "LAC-13M", "LAC-13N", "LAC-13O", "LAC-13P", "LAC-13Q", "LAC-13R", "LAC-13S", "LAC-13T", "LAC-13U", "LAC-13V", "LAC-13W", "LAC-13X", "LAC-13Y", "LAC-13Z", "LAC-14A", "LAC-14B", "LAC-14C", "LAC-14D", "LAC-14E", "LAC-14F", "LAC-14G", "LAC-14H", "LAC-14I", "LAC-14J", "LAC-14K", "LAC-14L", "LAC-14M", "LAC-14N", "LAC-14O", "LAC-14P", "LAC-14Q", "LAC-14R", "LAC-14S", "LAC-14T", "LAC-14U", "LAC-14V", "LAC-14W", "LAC-14X", "LAC-14Y", "LAC-14Z", "LAC-15A", "LAC-15B", "LAC-15C", "LAC-15D", "LAC-15E", "LAC-15F", "LAC-15G", "LAC-15H", "LAC-15I", "LAC-15J", "LAC-15K", "LAC-15L", "LAC-15M", "LAC-15N", "LAC-15O", "LAC-15P", "LAC-15Q", "LAC-15R", "LAC-15S", "LAC-15T", "LAC-15U", "LAC-15V", "LAC-15W", "LAC-15X", "LAC-15Y", "LAC-15Z", "LAC-16A", "LAC-16B", "LAC-16C", "LAC-16D", "LAC-16E", "LAC-16F", "LAC-16G", "LAC-16H", "LAC-16I", "LAC-16J", "LAC-16K", "LAC-16L", "LAC-16M", "LAC-16N", "LAC-16O", "LAC-16P", "LAC-16Q", "LAC-16R", "LAC-16S", "LAC-16T", "LAC-16U", "LAC-16V", "LAC-16W", "LAC-16X", "LAC-16Y", "LAC-16Z", "LAC-17A", "LAC-17B", "LAC-17C", "LAC-17D", "LAC-17E", "LAC-17F", "LAC-17G", "LAC-17H", "LAC-17I", "LAC-17J", "LAC-17K", "LAC-17L", "LAC-17M", "LAC-17N", "LAC-17O", "LAC-17P", "LAC-17Q", "LAC-17R", "LAC-17S", "LAC-17T", "LAC-17U", "LAC-17V", "LAC-17W", "LAC-17X", "LAC-17Y", "LAC-17Z", "LAC-18A", "LAC-18B", "LAC-18C", "LAC-18D", "LAC-18E", "LAC-18F", "LAC-18G", "LAC-18H", "LAC-18I", "LAC-18J", "LAC-18K", "LAC-18L", "LAC-18M", "LAC-18N", "LAC-18O", "LAC-18P", "LAC-18Q", "LAC-18R", "LAC-18S", "LAC-18T", "LAC-18U", "LAC-18V", "LAC-18W", "LAC-18X", "LAC-18Y", "LAC-18Z", "LAC-19A", "LAC-19B", "LAC-19C", "LAC-19D", "LAC-19E", "LAC-19F", "LAC-19G", "LAC-19H", "LAC-19I", "LAC-19J", "LAC-19K", "LAC-19L", "LAC-19M", "LAC-19N", "LAC-19O", "LAC-19P", "LAC-19Q", "LAC-19R", "LAC-19S", "LAC-19T", "LAC-19U", "LAC-19V", "LAC-19W", "LAC-19X", "LAC-19Y", "LAC-19Z", "LAC-20A", "LAC-20B", "LAC-20C", "LAC-20D", "LAC-20E", "LAC-20F", "LAC-20G", "LAC-20H", "LAC-20I", "LAC-20J", "LAC-20K", "LAC-20L", "LAC-20M", "LAC-20N", "LAC-20O", "LAC-20P", "LAC-20Q", "LAC-20R", "LAC-20S", "LAC-20T", "LAC-20U", "LAC-20V", "LAC-20W", "LAC-20X", "LAC-20Y", "LAC-20Z", "LAC-21A", "LAC-2



Liquefied Natural Gas is gigantic, polluting and dangerous.

CLEAN Water&Power is very small and underground.

Liquefied Natural Gas requires a large dock and facilities.

CLEAN Water&Power does not need a dock.

Liquefied Natural Gas is extremely expensive.

CLEAN Water&Power is much cheaper for the same power.

Liquefied Natural Gas has an ongoing cost of petroleum.

CLEAN Water&Power has a ZERO fuel cost.



Regarding security of supply.

Today Bermuda has an insecure fuel supply. Oil is insecure. Oil, and soon, LPG gas, are very insecure. The oil and gas comes from as far away as Louisiana or Texas. (Over a thousand miles) **CLEAN Water&Power** is fueled by seawater. (Zero miles.) This is much more reliable.

CLEAN Water&Power makes BOTH power and water. This helps the security and the civilization of the island after a storm that toxic energy companies cannot.

Alternatively, **CLEAN Water&Power** proposes an additional, optional, extra, project, under separate contract. Working with machinery from the Ditch Witch company in Oklahoma, USA, we could **UNDERGROUND** new water pipes, new power conduit, new phone lines, data lines and fiber optics lines.

These under grounded utilities shall survive storms better than exposed power lines.

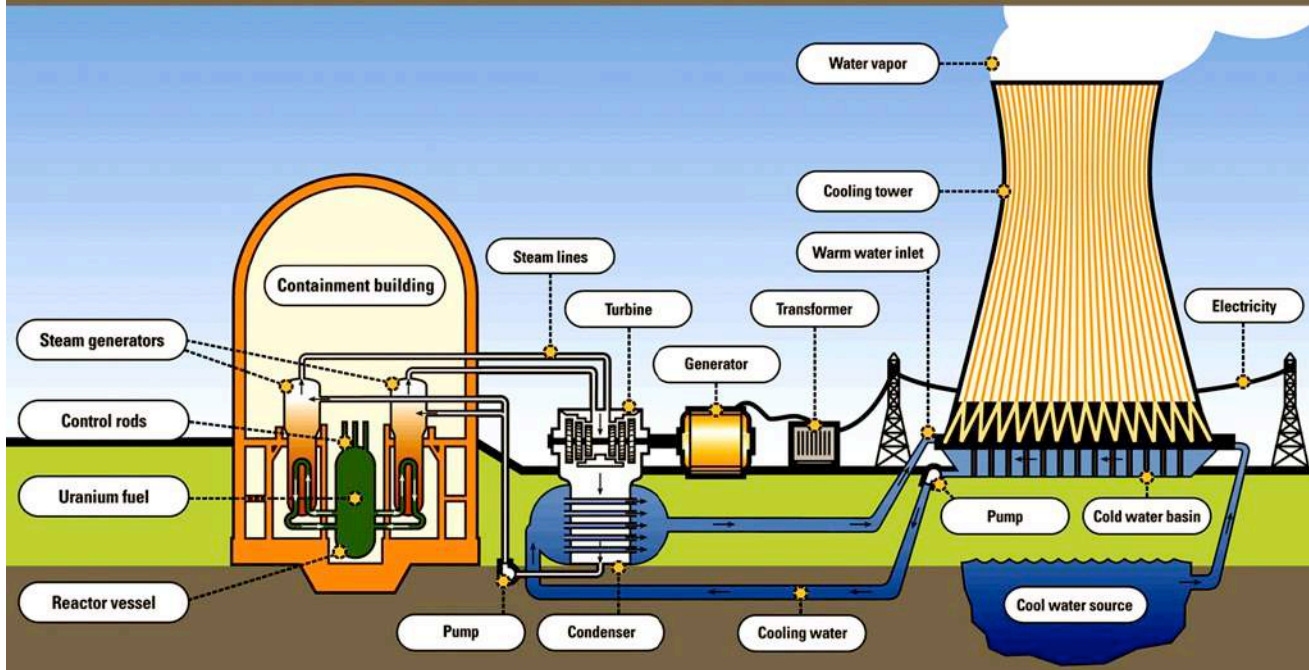
The new **CLEAN Water&Power** generators will be located in storm proof shelters. **CLEAN Water&Power** units actually run better under water. Bring on a flood. Ideally, we will position the **CLEAN Water&Power** generators under sea level in an offshore container or in an underwater hole in the beach or in another structure like an ocean pier.

Oil and gas fuel is flammable. Oil and gas is explosive. These are insecurities that oil and gas companies have covered up. **CLEAN Water&Power** is hydrogen and oxygen, on demand, from seawater. There are no flammable or explosive insecurities involved with **CLEAN Water&Power** seawater fuel.

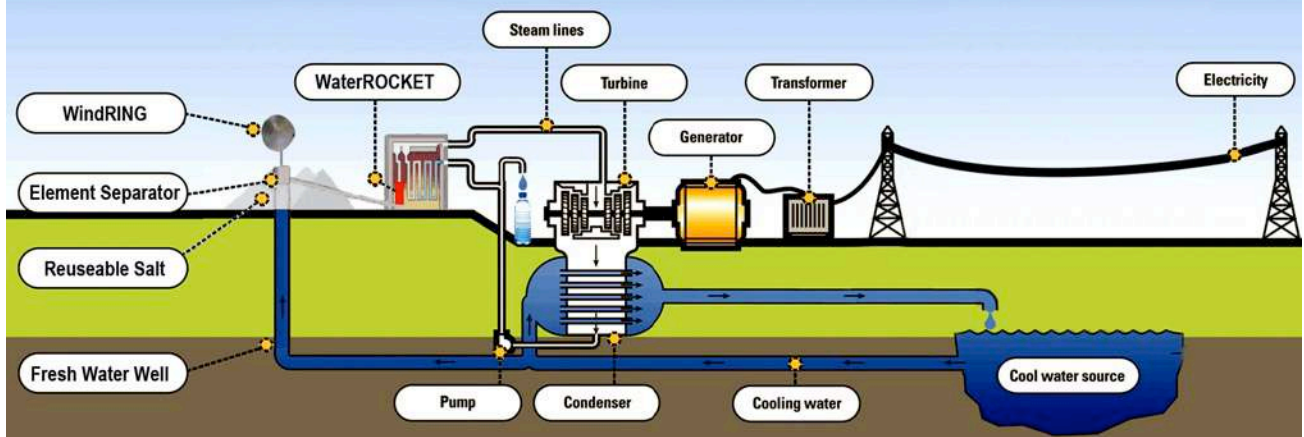
The price of oil and gas can fluctuate causing insecurity. **CLEAN Water&Power** uses a fuel supply that is very secure at **ZERO** cost.

We will keep the existing **BELCO** generators as back up power, temporarily. Until we have enough **CLEAN Water&Power** generators to provide back up. Then **CLEAN Water&Power** will absorb and digest **BELCO** assets, removing toxic energy and toxic fuels from Bermuda forever.

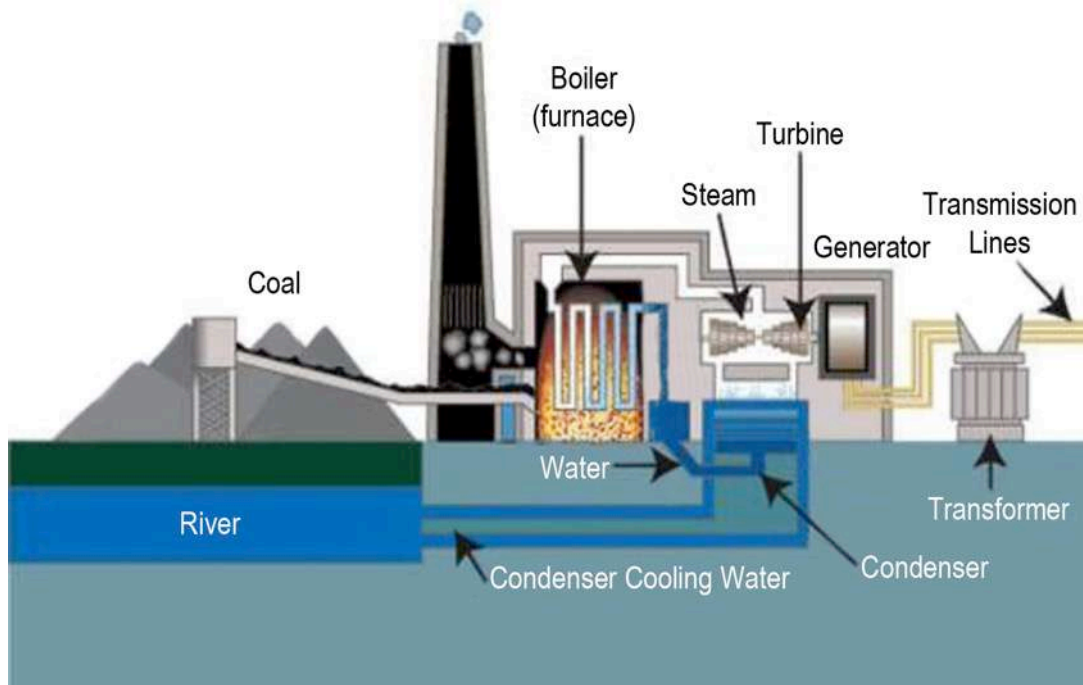
Typical Nuclear Power Plant



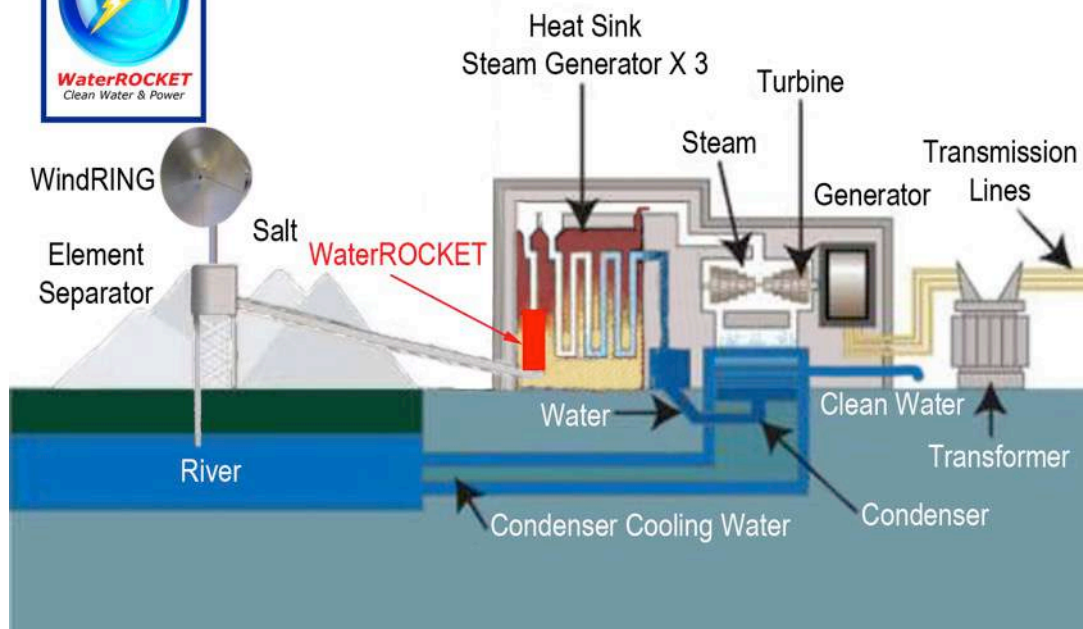
WaterROCKET Clean Water and Power



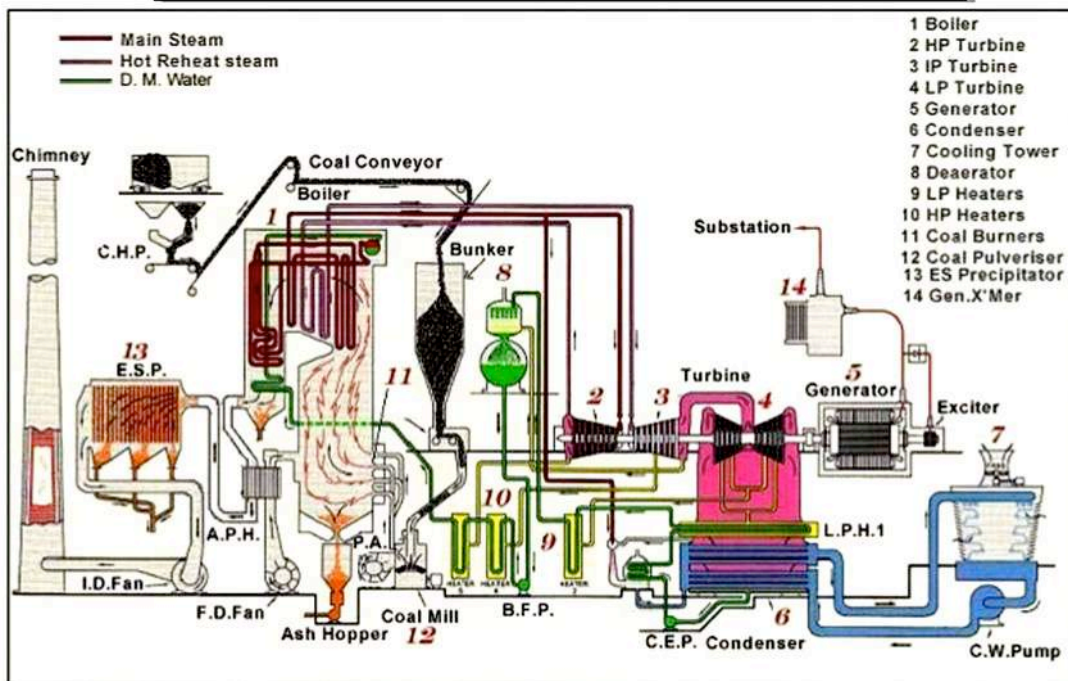
Thermal Power Station



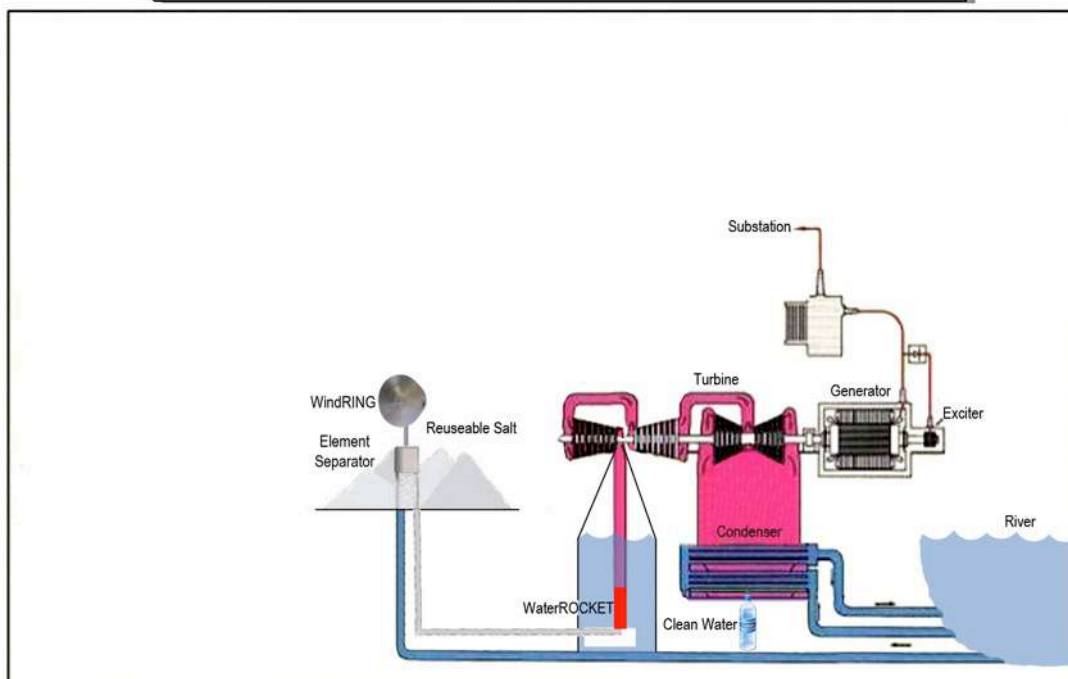
WaterROCKET Clean Water and Power

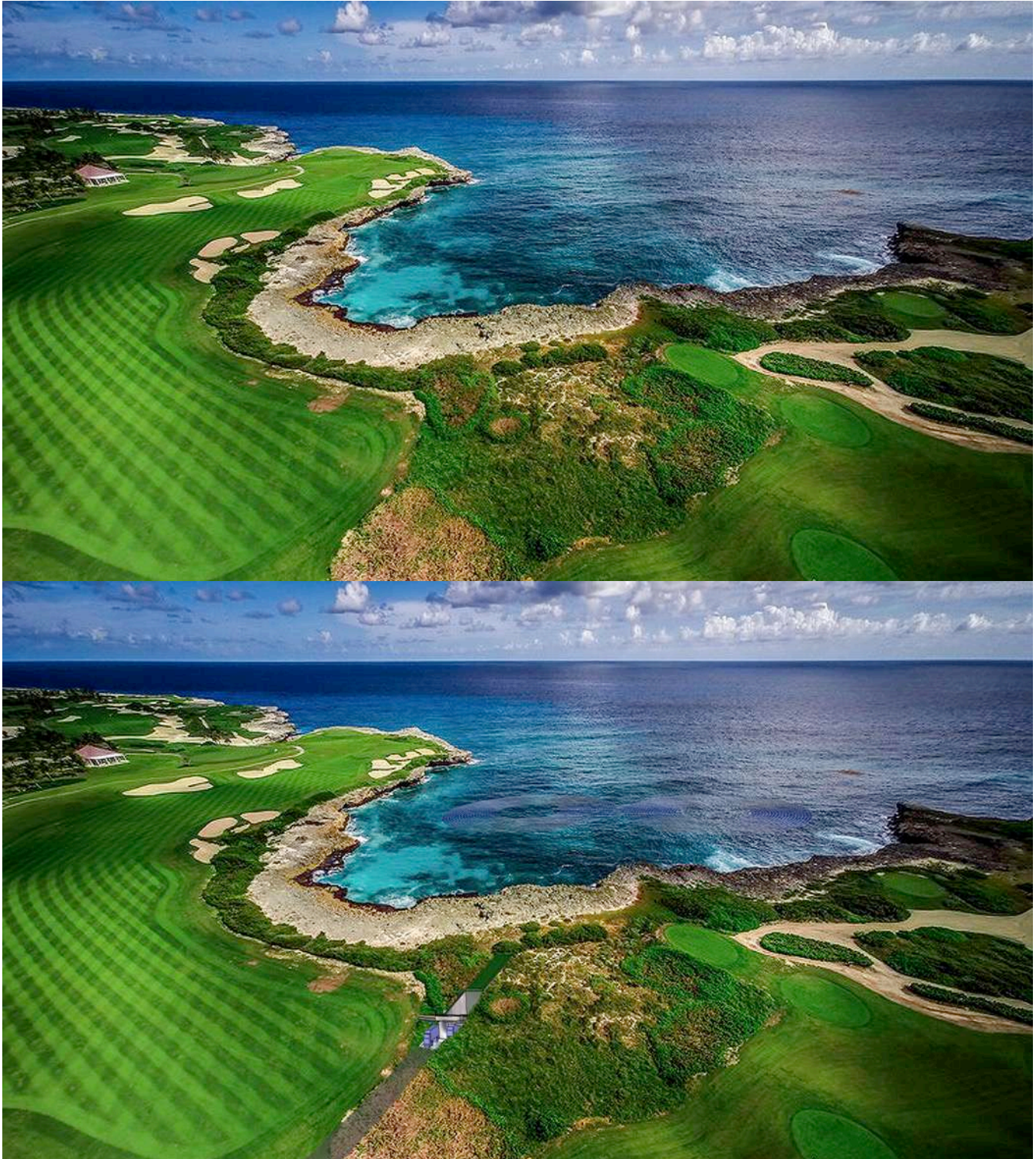


Coal to Electricity

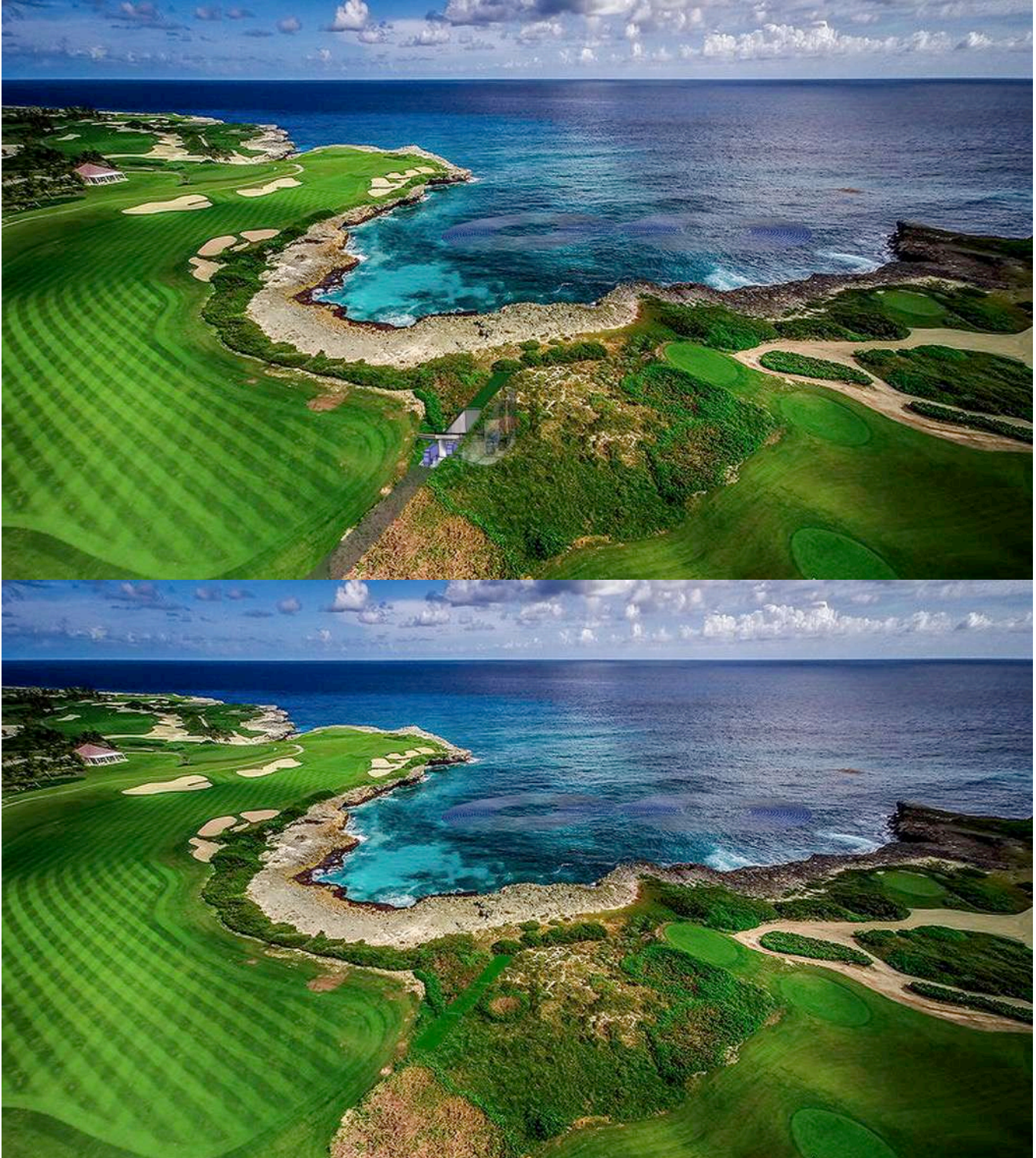


Clean Electricity & Water





Bermuda has very exclusive ocean front property, so we go **UNDERGROUND**.
100 MW or 200 MW or any reasonable amount of power can be generated.
We use just 10,000 square feet of underground space per 100 MW.
We dig a trench 60 feet deep and line the walls with waterproofing and concrete.



Hundreds of megawatts of clean water and energy generation is now **INVISIBLE**.
The process of making green power also results in millions of gallons of water.
We will fill the aquifer and wells, then bottle drinking water for the people.
Making clean water and clean power at lower cost will make Bermuda thrive.



There are many secure locations in Bermuda for 200 MW of clean power.



All of the components of the CLEAN Water&Power system are delivered in containers and installed in camouflaged buildings to become invisible.

Does it work?
Yes it works.



This is the prototype hydrogen/oxygen rocket motor while making 384,000 pounds of thrust for 45 days straight. After the test, the rocket was disassembled so the parts could be inspected and the materials could be scrutinized for any form of wear. All of the dimensions matched. There was no change in the wall thicknesses, roundness, flatness, surface qualities or textures of the any of the rocket motor parts. The rocket motor has only one moving part, the throttle, which was also unaffected by the 45 day test. The motor is automatically protected by a layer of cool gasses that insulate the rocket motor parts from the rocket temperatures that were anywhere near the yield point or the melting point of the rocket motor parts. This moving insulation system is the subject of a patent application that will be internationally filed once we have the funds to do so. For the first time, we can make power and water for the same cost without carbon pollution.

Bermuda could be switched over to LNG by 2020 with a pricetag of between \$258 million and \$315 million for just 60 megawatts.

CLEAN Water&Power can switch over to CLEAN Hydrogen in 2018 for \$25 million plus 50%/W&P sales for 200 megawatts.

Then there is the energy charges, which are tiered. The first block is zero to 50 kilowatts, costed at 16 cents per kWh; the second block is 251 to 700 kWh, at 24 cents per kWh, and then the tail block from 701 and upward at 30 cents per kWh.

EXAMPLE:

Initial fee. \$33.00

First block 250 kWh x 16 cents = \$40

Second block 449 kWh x 24 cents = \$107.76

Tail block 150 kWh x 30 cents = \$45

And that is not all. Your total kilowatt usage per month also has a fuel-adjustment-rate tacked on at 12 cents per kWh. Let us say that you are using 700 kilowatts per month. This means another \$84 (700 kWh multiplied by 12 cents).

We will be providing tail block power at 24 cents per kilowatt-hour.

We intend to announce the dramatic DECREASE in power rates from 45 cents to 24 cents as we introduce CLEAN Water&Power service.

This will be a reminder that we care about the people of Bermuda.

Sorensen CLEAN Water&Power project located in Bermuda at .24¢ per kilowatt hour								
Location	200 MW	Power Rate	Hours/Year	Income /Year	Cost of unit	Cost/income	Return on Investment	Three
Installation	200,000kW	kW/h USD	8760	\$	\$25M	% of year	Days	Years \$
Bermuda	200,000	0.24	420480000	\$420,480,000	\$25,000,000	0.0595	22	\$1,261,440,000

By making more power than Bermuda needs, we can stimulate more growth in tourism, hospitality, industry, health care, construction, transportation, banking, shipping, retail and other businesses.

By supplying up to a million liters of drinking water per day, we can refill the aquifer, wells and push seawater out to sea.

Questions? Call the inventor at 310-802-8082

Thank you to Arpheion Inc.

Bulk Generation Proposal Guidelines

1 Introduction

1.1 This note provides guidelines on what would be expected to be included in the Bulk Generation proposal in order to ensure that the Regulatory Authority of Bermuda ('the Authority') is able to: meet its obligations under the Electricity Act 2016 ('EA 2016') in a manner that is consistent with the National Electricity Policy; and implement the regulatory regime established by the electricity sector licences. The recommendations in this note reflect established practice and precedents for the development of IRPs and similar capacity planning exercises seen in a wide variety of relevant regulatory jurisdictions.

2 Bulk Generation Proposal Requirements

2.1 Input assumptions for alternative generation proposals should be consistent with the requirement for a quantitative modelling methodology as the IRP requires a large number of numerical inputs and assumptions to be used. For example, these inputs would be expected to include (this list is not intended to be exhaustive):

- (i) Data on capital, operating and fuel cost of future generation technical and other
- (ii) operating characteristics, and expected retirement dates;
- (iii) Assumptions on future macroeconomic performance (e.g., growth) and government policy.
- (iv) Technical and operating characteristics of future generation technologies and their availability;
- (v) The price for input fuels and other related commodities, as well as the availability and price considerations of import infrastructure;
- (vi) Costs related to network infrastructure upgrades (if required),
- (vii) Sensitivity analysis of possible "high" and "low" cases along with base case scenarios for each source of uncertainty. These scenarios would be expected to be targeted at the assumptions that have the greatest impact on overall system costs. The uncertainties can include, but not limited to:
 - a. production uncertainty;
 - b. fuel price uncertainty;
 - c. alternative capital and operating cost assumptions for future generation resources.

2.2 In order to ensure that the alternative generation proposal is credible, comprehensive, and auditable, the data inputs and assumptions used would be expected to be transparent and well documented. In particular, the alternative generation proposal would be expected to include detailed references and other supporting documentation where necessary to show how the various input assumptions were selected.

Answers to this request for information from Bermuda



1st Floor, Craig Appin House | 8 Wesley Street, Hamilton HM 11 | Bermuda | T 441 405 6000 | F 441 474 6048 | E info@rab.bm

Fairness • Innovation • Integrity

Bulk Generation Proposal Guidelines

(i) Data on capital, operating and fuel cost of future generation technical and other

This is different!

If you want pollution, be conservative, go with oil and gas.

If you want CLEAN Water&Power in Bermuda, go with something completely new, a better idea than CARBON.

We have been promised independent capital to build the units, if we get the approval of Bermuda to buy the clean electricity at a 10% discount over today's retail rates and a commitment to buy clean energy over toxic energy going forward.

We will operate the new CLEAN Water&Power company supplying Bermuda with water and power at a 10% less than today's retail rates for toxic energy in Bermuda.

The fuel cost is the beauty of the CLEAN Water&Power system. The fuel cost is ZERO.

BELCO cannot compete with a ZERO fuel cost.

CLEAN Water&Power company is ecologically sustainable and economically sustainable.

Bermuda will never have to worry about oil spills, tanker ship accidents, water pollution, air pollution, ground pollution or that smell of burning diesel ever again.

CLEAN Water&Power simply is not using the carbon element at all. We use Hydrogen and Oxygen from seawater to produce 200MW of clean electricity and millions of gallons of clean distilled drinking water every day, using 10,000 square feet of land for each 100MW.

This land can be hidden under any one of the hundreds of streets that lead out to the ocean. CLEAN Water&Power will construct the partially underground plant at the shore to have a seawater source. The CLEAN Water&Power plant will have an underground connection to the water mains under the road. The CLEAN Water&Power plant will have an electrical connection to the existing Bermuda electrical grid. Perhaps, if funding allows, CLEAN Water&Power will install an underground electric, water, data, fiber optic, communications, and future service conduit to provide Bermuda with utilities that cannot be blown away by a hurricane.

The CLEAN Water&Power units will be built in California and shipped, in standard shipping containers, to Bermuda for installation.

(ii) operating characteristics, and expected retirement dates;

CLEAN Water&Power is permanent.

All of the system parts can be repaired or replaced over time to make the system perpetual and is included.

We have a primary unit and a backup unit on the island.

If both units fail, BELCO can provide backup power.

(iii) Assumptions on future macroeconomic performance (e.g., growth) and government policy.

CLEAN Water&Power will provide 200MW of power to a 160MW maximum grid.

After 3 years of operation, CLEAN Water&Power will install an additional 200MW for future expansion and clean back up for the people of Bermuda.

Once there is 400MW for a 160MW maximum grid. The system will be complete and included maintenance will sustain the CLEAN Water&Power system for our grandchildren and their children.

(iv) Technical and operating characteristics of future generation technologies and their availability;

CLEAN Water&Power is the future. No carbon pollution.

CLEAN Water&Power will operate the system and provide clean electricity and clean water at lower rates than today, adjusted for inflation.

(v) The price for input fuels and other related commodities, as well at the availability and price considerations of import infrastructure;

CLEAN Water&Power has no cost of input fuel.

CLEAN Water&Power uses seawater and makes electricity and drinking water.

No fuel imports are necessary, Bermuda is surrounded by seawater, which is all we need to provide utilities.

(vi) Costs related to network infrastructure upgrades (if required),

CLEAN Water&Power can provide electricity to the existing grid. CLEAN Water&Power can provide clean distilled water to the existing water mains.

CLEAN Water&Power recognizes the need for utilities that cannot be destroyed by hurricanes. After 3 years of operation, CLEAN Water&Power will use some of the profits from electricity and water sales to underground all utilities to protect from hurricanes. This cost will be recovered by charging exactly the same rates as today, adjusted for inflation.

(vii) Sensitivity analysis of possible “high” and “low” cases along with base case scenarios for each source of uncertainty.

Importing toxic, flammable, expensive, explosive, high price fuel from over 1000 miles away is UNCERTAIN.

CLEAN Water&Power has none of these problems.

CLEAN Water&Power uses seawater as fuel. It is not toxic. It is not flammable. It is not expensive. It is not explosive. The fuel is not high price; in fact it has no price. It is not imported; it surrounds Bermuda.

CLEAN Water&Power is the ultimate in certainty.

These scenarios would be expected to be targeted at the assumptions that have the greatest impact on overall system costs. The uncertainties can include, but not limited to:

a. production uncertainty;

CLEAN Water&Power uses the best of today's technology for the back half of the system.

High-pressure – Intermediate-pressure – Low-pressure rotary steam turbines are incredibly efficient and reliable, so we will keep them as is.

Electro magnetic exciter generators are designed for supplying today's power grids, and are efficient and reliable, so we will keep them as is.

The front half of the system uses hydrogen and oxygen from seawater for power. We eliminate carbon.

Hydrogen is a clean way to make steam for certainty.

Clean water is a great side benefit with certainty.

b. fuel price uncertainty;

CLEAN Water&Power is free seawater price certainty.

c. alternative capital and operating cost assumptions for future generation resources.

CLEAN Water&Power plans to install more than the 160MW maximum in the first plant or two at 200MW.

CLEAN Water&Power can place 200MW in one plant or spread out two 100MW plants to distribute the power.

CLEAN Water&Power is dependent on promised investment, which is not certain. BELCO cost of hundreds of millions of dollars for LPG ships and ports for only 60MW is very certain, unless CLEAN Water&Power gets funding.

2.2 In order to ensure that the alternative generation proposal is credible, comprehensive, and auditable, the data inputs and assumptions used would be expected to be transparent and well documented.

CLEAN Water&Power is a complete revolution.

CLEAN Water&Power has no history, because it is new.

CLEAN Water&Power technology is trade secret, worth trillions and will not be shared.

CLEAN Water&Power will simple provide water and power.

In particular, the alternative generation proposal would be expected to include detailed references and other supporting documentation where necessary to show how the various input assumptions were selected.

CLEAN Water&Power is completely new technology.

Bermuda is a good place to start this new technology, because its fuel surrounds it.

CLEAN Water&Power will show you what we plan to do, not how we will do it.

CLEAN Water&Power will not show the top secret, trade secrets, however, we are totally transparent when we say:

These are the assumptions of CLEAN Water&Power

1. Bermuda can save the money for building the LNG LPG Liquid Petroleum Gas port and ships.
2. Bermuda can stop importing toxic, flammable, expensive, explosive, high price fuel from over 1000 miles away.
3. Bermuda will be the first carbon/nuclear free utility system on an island, if you move now.
4. Bermuda will not pollute paradise any more.
5. Bermuda will have an abundance of fresh distilled water to keep the aquifers full and the grass green.
6. We have separate ideas for converting the old BELCO plants into clean industries and attractions that Bermuda can feel proud of.

These may seem like simple answers.

That is because they are simple.

If the CLEAN Water&Power system had been invented 200 years ago. It would have been ridiculous to use toxic fuel.

According to the BELCO website, Bermuda has 167MW of capacity.

The screenshot displays the BELCO website interface. At the top is the BELCO logo. Below it is a navigation menu with links: Home, About BELCO, Services, Storm Centre, Education, Careers, News, Contact BELCO, and Account Access. A public notice banner reads: "Public Notices: After hurricane power outage, protect appliances, electronics - unplug, shut off fuses". The main content area is divided into several sections:

- StreetLight Reporting**: Includes an image of a streetlight and text: "Three ways to report: Use our interactive map", "Email streetlights@belco.bm", and "Phone 955".
- Tree Trimming Requests**: Includes text: "For tree trimming related service interruption requests:", a list of contact options (Call: 296-3408, Email: treetrimming@belco.bm, Fill out Service Interruption Form online), and a link to "Read BELCO's Tree Trimming Policy".
- Generation in Bermuda**: Contains three paragraphs of text about BELCO's Central Plant, diesel and gas turbine engines, power frequency, and capacity.
- Current Outages**: Includes text: "Access our new Outage Map for information on all current outages".
- Education**: Includes text about undergraduate scholarships, education awards, and postgraduate scholarships, with a link to www.bermudascholarships.com.
- Electrical Safety**: Includes a list of safety topics: "Beware of Sparks or Fires", "Playing Safely", "Outside Your Home", "Inside Your Home", and "Call Before You Dig".

122.8MW of peak power was recorded in 2010

The use of electricity will go up with the growth of Bermuda

If we put up the resort projects at the Naval Yard, Morgan's Point, The Quarry, Admiralty Tower, The North Port, Ariel, Elbow, Redeveloping the Old Airport and the New Airport - Bermuda will need more power.

**For less than 10% of what
the Liquid Natural Gas ship,
port and power plant will
cost, to make another
60MW...**

**CLEAN Water&Power can
provide 200MW...**

**Abundance for Bermuda's
power and water needs.**