



Supplement to 9/15/2014 MPWMD Board Packet

Attached are copies of letters received between August 13 and September 8, 2014. These letters are also listed in the September 15, 2014 Board packet under Letters Received.

Author	Addressee	Date	Topic
Robert MacLean	Dr. Jeffrey Single, cc to Dave Stoldt	9/2/14	Amendment to 2009 Settlement Agreement
Chris Shake	MPWMD Board	8/28/14	Recommendation to Appoint Andy Clarke – Division 2 Representative
Moe Ammar	MPWMD Board	8/27/14	“ “
Mike Zimmerman	MPWMD Board	8/26/14	“ “
Sam Teel	MPWMD Board	8/23/14	“ “
Mike Dice	Arlene Tavani for David Stoldt	8/21/14	Intro to Atmospheric Water Generators
Bill Thayer	MPWMD Board	8/18/14	Resignation from MPWMD Board of Directors

U:\staff\Boardpacket\2014\20140915\LetterPacket\LtrPkt.docx



CALIFORNIA
AMERICAN WATER

Robert MacLean P 619-522-6361
California American Water F 619-522-6391
1033 B Avenue, Suite 200
Coronado, CA 92118
www.calamwater.com

September 2, 2014

RECEIVED

SEP - 8 2014

MPWMD

Dr. Jeffrey Single
Regional Manager
California Department of Fish and Wildlife
1234 E. Shaw Avenue
Fresno, CA 93710

Dear Jeff:

On behalf of California American Water and the hard working stakeholders who seek to enhance the Carmel River ecosystem, I want to thank you for collaborating with NOAA, the SCC and CAW and for executing an amendment to the related 2009 Settlement Agreement between CAW, NOAA and CDFW. As you know, under the amendment the SCC has stepped in as NOAA's designee for all future payments by CAW, and has also received the balance of funds paid by CAW to CDFW as NOAA's designee prior to the amendment. The SCC will work with stakeholders to fund projects that will restore habitat and otherwise protect threatened Steelhead. We appreciate your flexibility, and believe the new arrangement will facilitate completion of beneficial projects in the shortest time possible, bringing meaningful and lasting changes to the Carmel River ecosystem in the near term.

Sincerely,

Robert MacLean
President

cc:

- Joyce Ambrosius, National Oceanic & Atmospheric Administration
- Mayor Jason Burnett, City of Carmel
- Chuck Bonham, California Department of Fish and Wildlife
- Congressman Sam Farr
- John Laird, California Natural Resources Agency
- Brian LeNeve, Carmel River Steelhead Association
- Sam Schuchat, California State Coastal Conservancy
- Larry Silver, Sierra Club
- Dave Stoldt, Monterey Peninsula Water Management District



RECEIVED

SEP - 2 2014

MPWMD

CHRIS SHAKE ENTERPRISES

August 28, 2014

Dave Potter, Chair, and Board of Directors
Monterey Peninsula Water Management District
5 Davis Court, Building C
Monterey, California 93940

RE: Andy Clarke

Dear Dave:

I would highly recommend the appointment of Mr. Andy Clarke to fill the vacancy on your Board of Directors due to the resignation of Bill Thayer.

I believe his experience and expertise relating to water issues will assist the Board in its efforts to finding a solution to our current water supply issues.

I urge you to appoint Mr. Clarke to the Board.

Best regards,

CHRIS SHAKE

CS:klr



PACIFIC GROVE
CHAMBER OF COMMERCE
& TOURIST CENTERS

RECEIVED

SEP - 8 2014

MPWMD

August 27, 2014

Dave Potter, Chair, and Board of Directors
Monterey Peninsula Water Management District
5 Davis Court, Building G
Monterey, California 93940

Dear Dave and Board members:

The Pacific Grove Chamber of Commerce urges you to appoint Andy Clarke to fill the vacancy on your Board caused by the resignation of Bill Thayer.

After graduating from Cal Poly, Andy moved to Monterey County where he began a career in finance. In 2005, he began his employment as the Assistant Controller with Alisal Water Corporation, where he is currently employed.

Mr. Clark's background will bring an unparalleled level of water issues expertise and experiences to the Board and will help greatly in the cooperative effort the Coalition and the District have been engaged in pursuing a solution to our water supply crisis.

Please appoint Andy Clarke to your Board. Thank you for your consideration.

Sincerely,

Moe Ammar
President

Coalition of Peninsula Businesses

*A coalition of the Monterey County Hospitality Association, Monterey Commercial Property Owners' Association, Monterey Peninsula Chamber of Commerce, Carmel Chamber of Commerce, Pacific Grove Chamber of Commerce, Monterey County Association of Realtors, Community Hospital of the Monterey Peninsula, Associated General Contractors – Monterey District
to resolve the Peninsula water challenge to comply with the CDO at a reasonable cost*

RECEIVED

August 26, 2014

AUG 28 2014

MPWMD

Dave Potter, Chair, and Board of Directors
Monterey Peninsula Water Management District
5 Davis Court, Building G
Monterey, California 93940

Dear Dave and Board members:

The Coalition of Peninsula Businesses urges you to appoint Andy Clarke to fill the vacancy on your Board caused by the resignation of Bill Thayer.

Mr. Clarke's background will bring an unparalleled level of water issues expertise and experiences to the Board and will help greatly in the cooperative effort the Coalition and the District have been engaged in pursuing a solution to our water supply crisis.

Please appoint Andy Clarke to your Board.

Sincerely,



John Narigi, Co-chair



Mike Zimmerman, Co-chair



RECEIVED

AUG 28 2014

MPWMD

August 23, 2014

Mr. David Potter, Chair
Monterey Peninsula Water Management District
5 Harris Court, Building G
Monterey, CA 93924

RE: Andrew Clarke

Dear Chair Potter and Members of the Board:

The Monterey County Hospitality Association strongly recommends that the Monterey Peninsula Water Management District's Board of Directors appoint Mr. Andrew Clarke to fill the vacant District 2 Director position. We have reviewed Mr. Clarke's resume and biography. Several of our members have met with Mr. Clarke. We are impressed with his experience in the financial industry and his practical knowledge of water issues and the operation of water systems. His experience as a Planning Commissioner is a plus. We are also impressed with Mr. Clarke's commitment to our community as evidenced by his work in many venues to support community activities and residents.

We believe Mr. Clarke will be a valuable addition to the Board. We endorse Mr. Clarke, without reservation, for this vitally important position.

Sincerely,

Sam Teel, Chair
Monterey County Hospitality Association

Arlene Tavani

From: Mark Dice <markdice@cox.net>
Sent: Thursday, August 21, 2014 8:11 AM
To: Arlene Tavani
Cc: 'Howard Ullman'
Subject: From Mark Dice intro to Atmospheric Water Solutions

RECEIVED

AUG 21 2014

Arlene,

MPWMD

It was nice to speak with you yesterday. As we had discussed I have attached an introduction to Atmospheric Water Solutions in a power point presentation. It will take you through the many options we offer and answer the need for water in almost any situation. A visit to our website will also give you information on our background of who we are. I'll send you additional information in a couple more emails.

We look forward to hopefully working with MPWMD in the near future.

Finest regards,

Mark Dice
Atmospheric Water Solutions
5000 SW 52nd St. Bay 513
Davie, Fl. 33314
619-368-2218
www.atmosphericwatersolutions.com

File sent to you by Howard Ullman:

AWS general july.pptx

[Download](#)

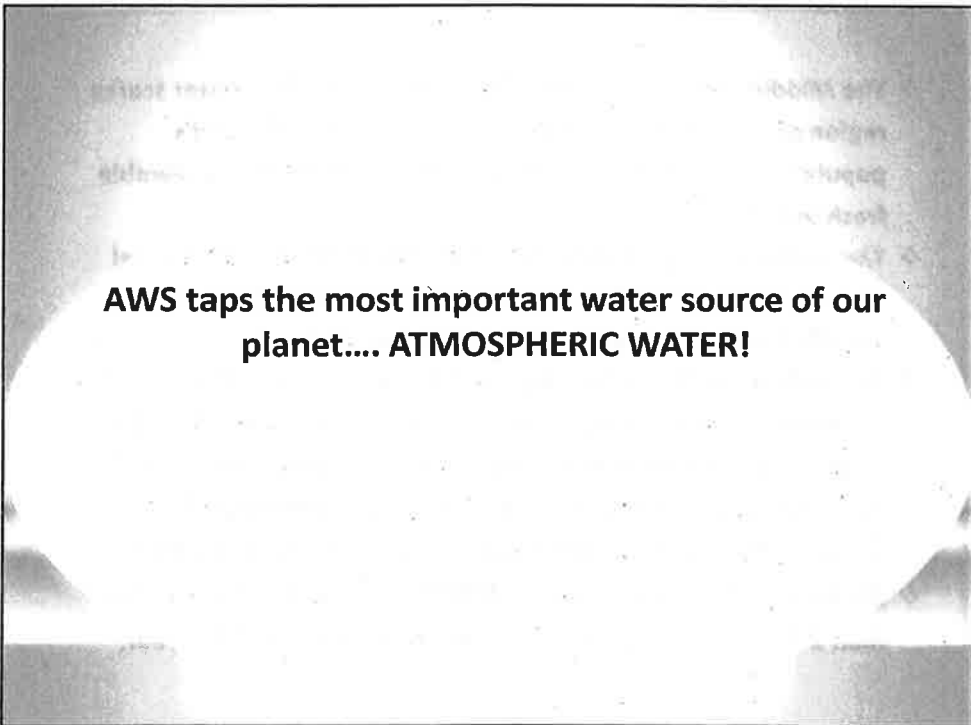
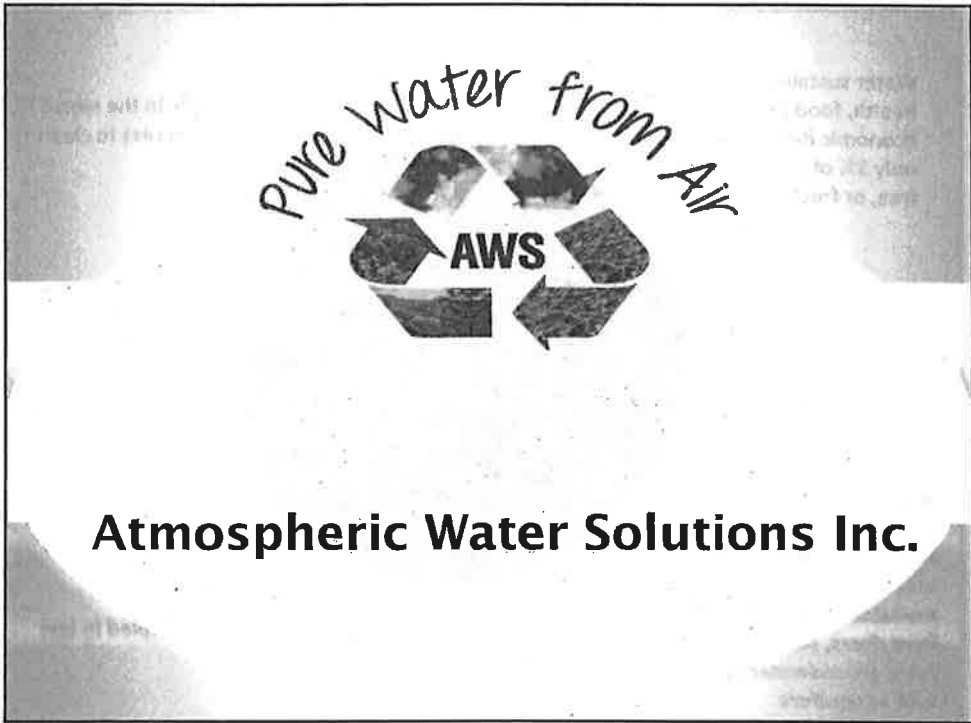
26.92 MB | Virus Checked

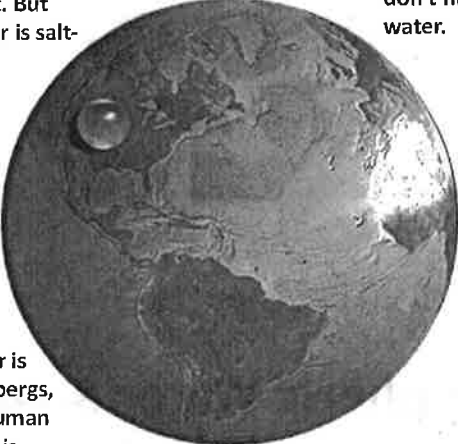
Download available for 30 days.

Can't access the link above? Copy the URL below and paste it into your browser:
<https://sendnow.acrobat.com/?i=abS7wA-DWbaIK-qNE4j52Q>

Note: Adobe SendNow may notify the sender when you download these files.

Powered By [Adobe SendNow](#) | © 2011 Adobe Systems Incorporated. All rights reserved.





Water sustains humans' health, food production, and economic development. But only 3% of Earth's water is salt-free, or fresh water

1 in 3 people in the world don't have access to clean water.

The amount of water we currently use is not sustainable

Nearly 70% of fresh water is locked in glaciers and icebergs, and is not available for human use. The fresh water that is available comes from rain or from rivers, lakes, springs, and some groundwater reserves, such as aquifers

Across the globe, water consumption has tripled in last 50 years.

- ❖ The Middle East and North Africa region is the most water scarce region of the world. The region is home to 6.3% of world's population but has access to only 1.4% of the world's renewable fresh water.
- ❖ The average water availability per person in other geographical regions is about 7,000 m³/year, whereas water availability is merely 1,200 m³/person/year in the MENA region.
- ❖ The region has the highest per capita rates of freshwater extraction in the world (804 m³/year) and currently exploits over 75% of its renewable water resources. Due to burgeoning population and rapid economic growth, the per capita water availability is expected to reduce to alarming proportions in the coming decades.
- ❖ By the year 2050, two-thirds of MENA countries could have less than 200 m³ of renewable water resources per capita per year.

Current Solutions

- ❖ Desalination?
- ❖ Rain water Harvesting?
- ❖ Importing and trading water?
- ❖ Black Water recycling?
- ❖ Grey Water Recycling?
- ❖ Water Reallocation?

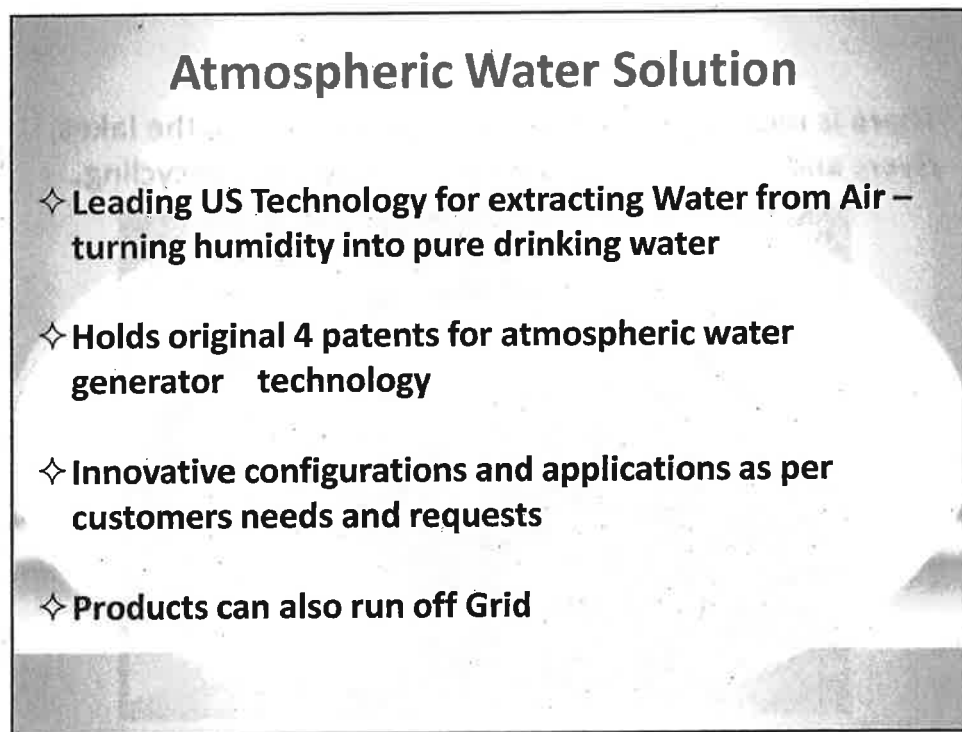
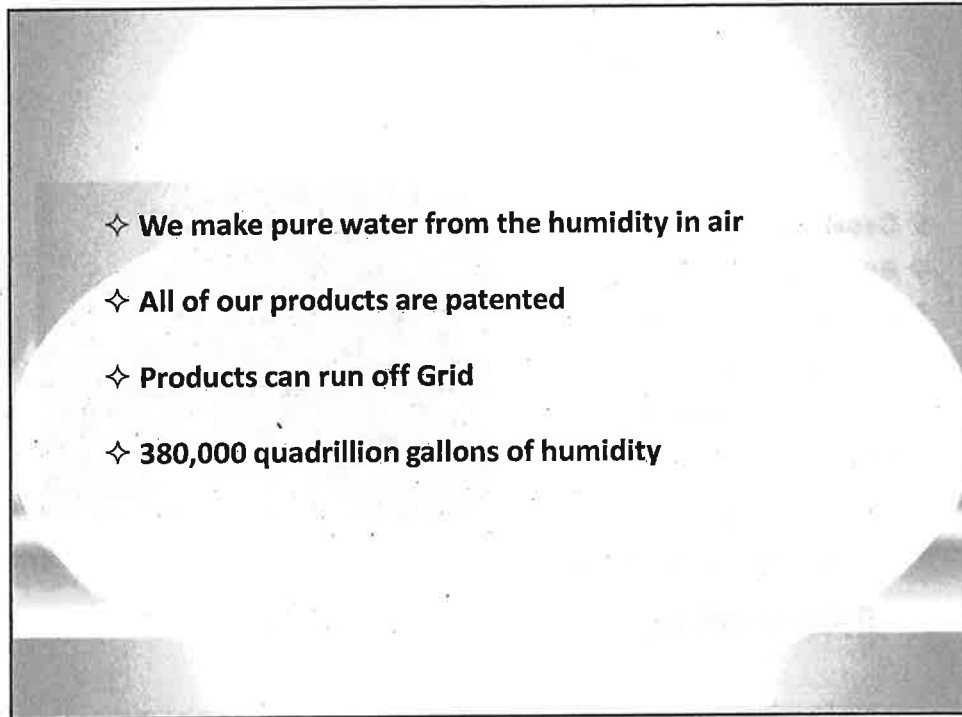


There is a new alternative.....

Water in the Air

There is more water in the atmosphere than all the lakes, rivers and oceans combined that is constantly recycling.





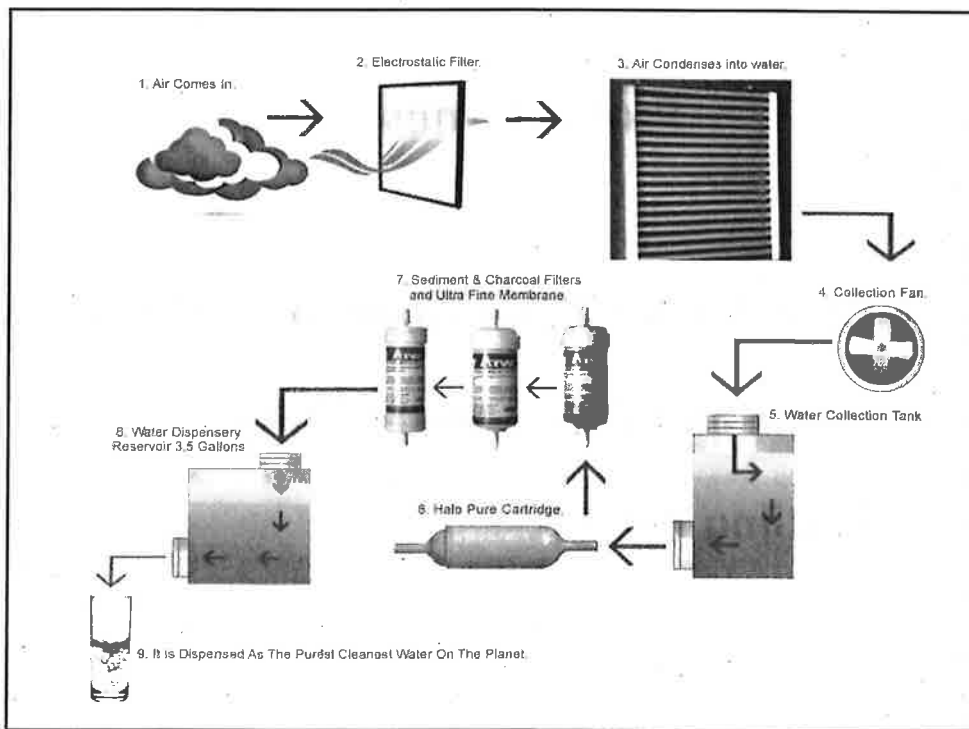
Superior Water Quality

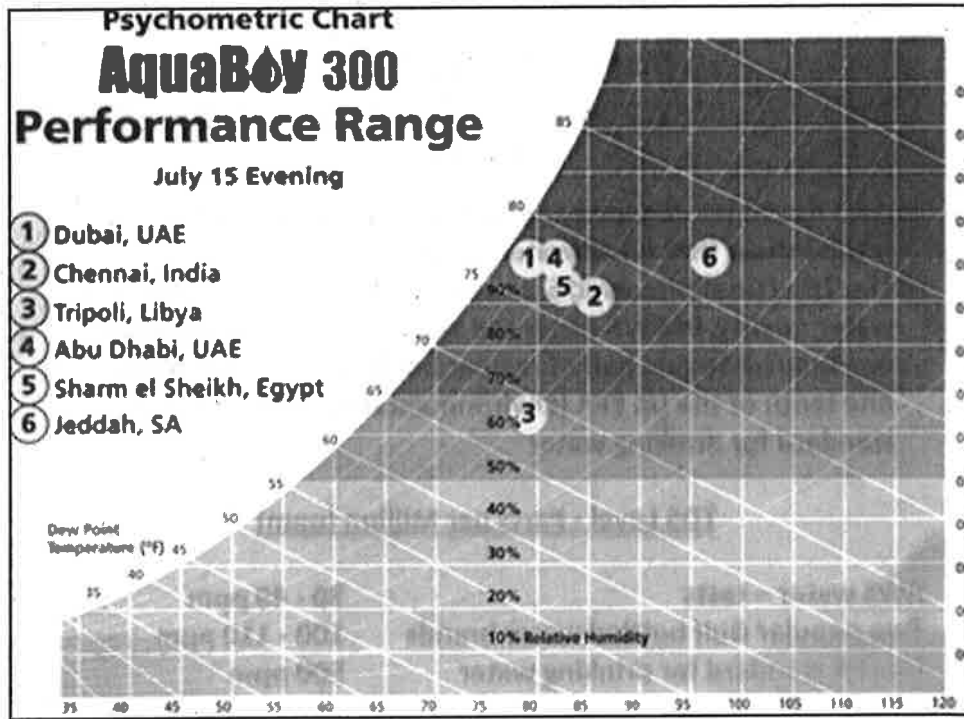
Comparison of AWS Test Results to Gulf Popular Bottled Water Brands

- ❖ AWS machines generate the highest quality pure water. Test results show that on all water quality parameters
- ❖ The TDS (Total Dissolved Solids) level, the main indicator of water quality, in AWS-produced water is as low as between one quarter to one half of regular bottled water, and below one tenth of the US EPA (Environmental Protection Agency) standard for drinking water

TDS Level - Parts per Million (ppm)

AWS water – tests	30 - 49 ppm
Two popular Gulf bottled water brands	100 - 110 ppm
US EPA standard for drinking water	500 ppm



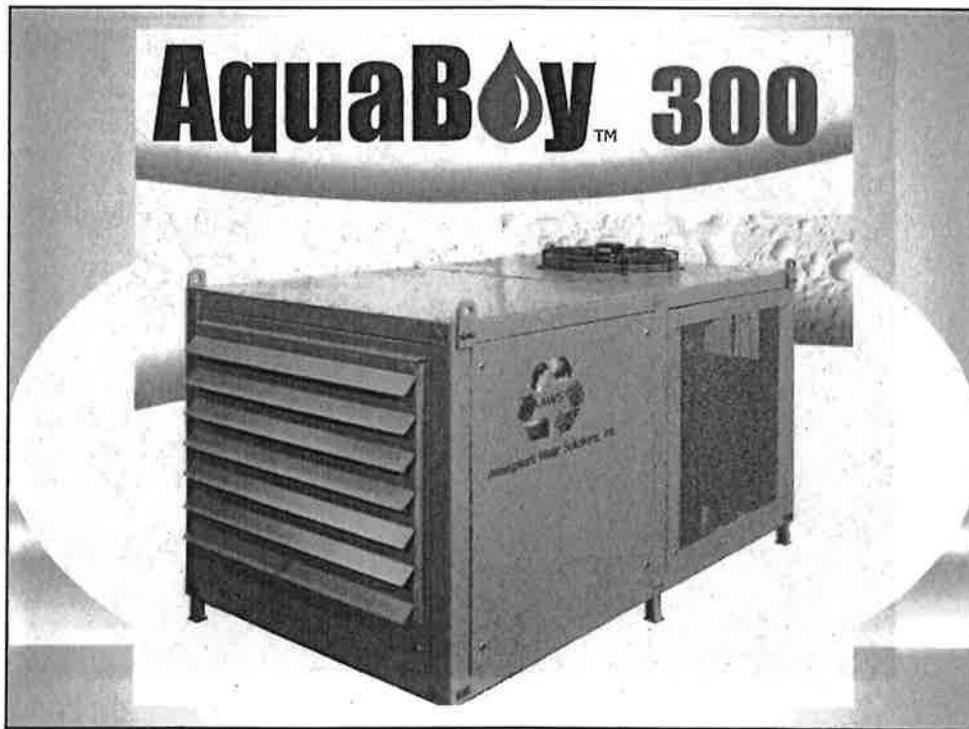


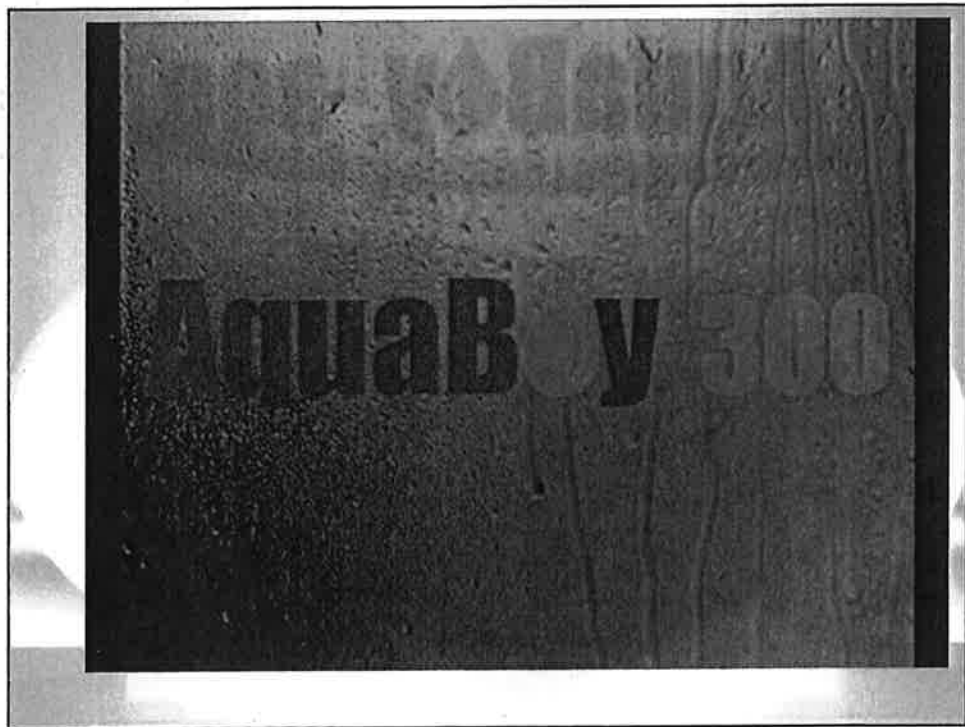
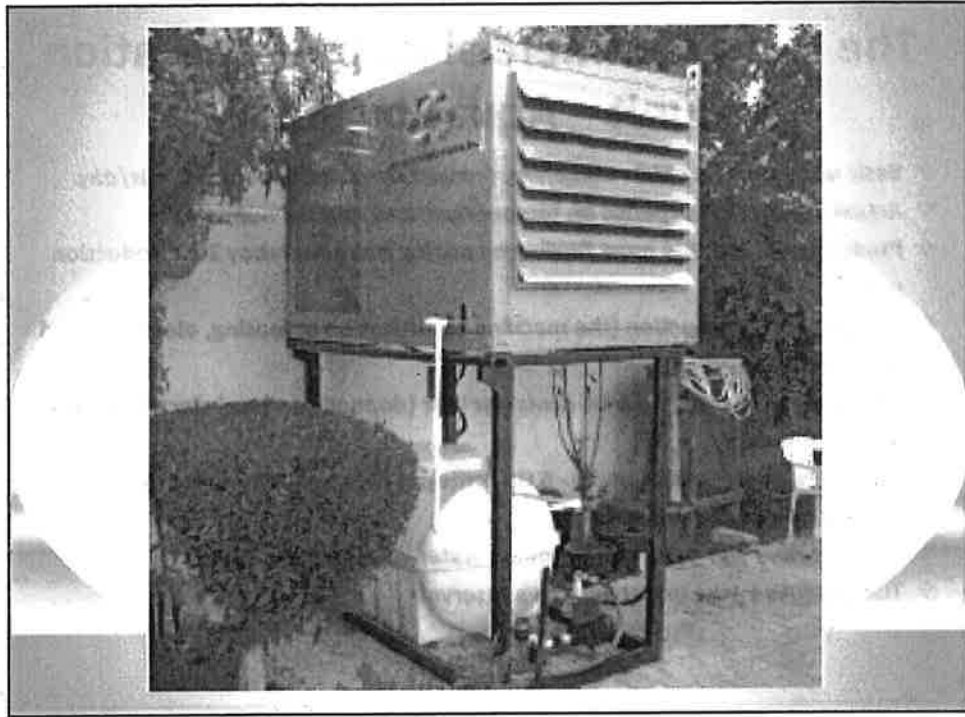
Product Lines

- ✦ **Commercial Water Generation Units**
- ✦ **Home and Office Water Units**
- ✦ **Bottling Plants**

The basic commercial water-generation unit – AquaBoy 300

- ❖ Basic unit: AquaBoy 300 - maximum production capacity of 1,150 liter/day.
- ❖ Actual production depends on temperature and relative humidity
- ❖ Production is scalable most flexibly by adding more Aquaboy 300 production units
- ❖ Cost of water production (the machine amortization or leasing, electricity and maintenance):
 - ❖ Grid-connected: 3 – 6 US cents per liter (depends on local electricity tariff for industry)
 - ❖ Using solar generators: 3 - 5 US cents per liter (amortization / leasing and maintenance costs only)
- ❖ The AquaBoy 300 machines produces water continuously, 24/7.
- ❖ The produced pure water goes to a reservoir





Main AWS Commercial Applications

- ◇ Water Production for Bottling Plants
- ◇ Water Supply in Remote Sites – Civilian and Military
- ◇ Water Supply in Emergency Situations
- ◇ Solutions for Hotels
- ◇ Solutions for Agriculture
- ◇ The Oasis Model: Pure Water Vending Solutions in Universities, schools and other Public Locations

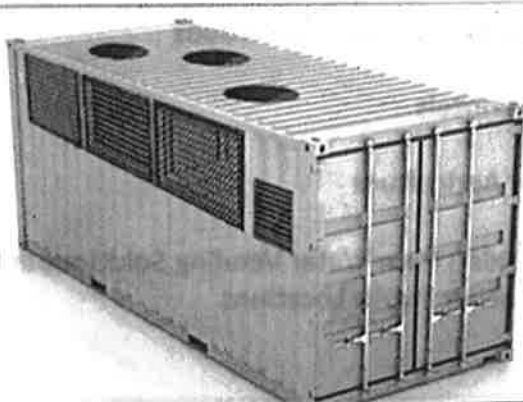
Aquaboy™ Counter Unit



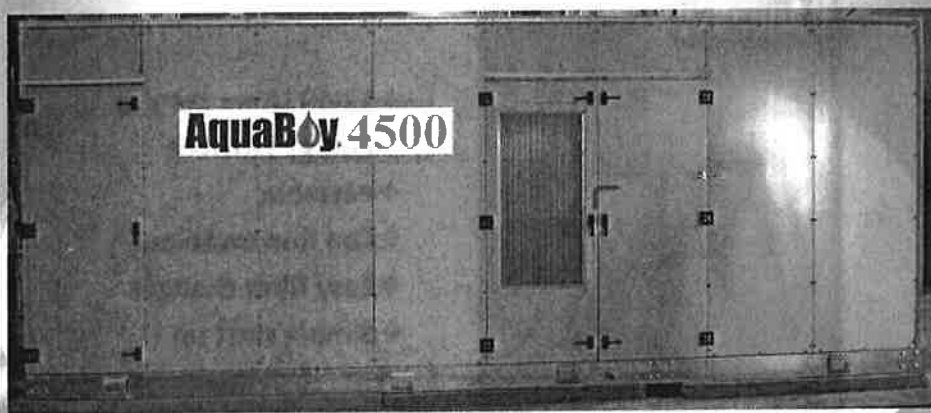
- ◇ 12-19 Liters per day
- ◇ Energy Efficient
- ◇ Portable
- ◇ Can Run on Solar
- ◇ Easy filter changes
- ◇ Simple start up

Water Supply in Emergency Situations

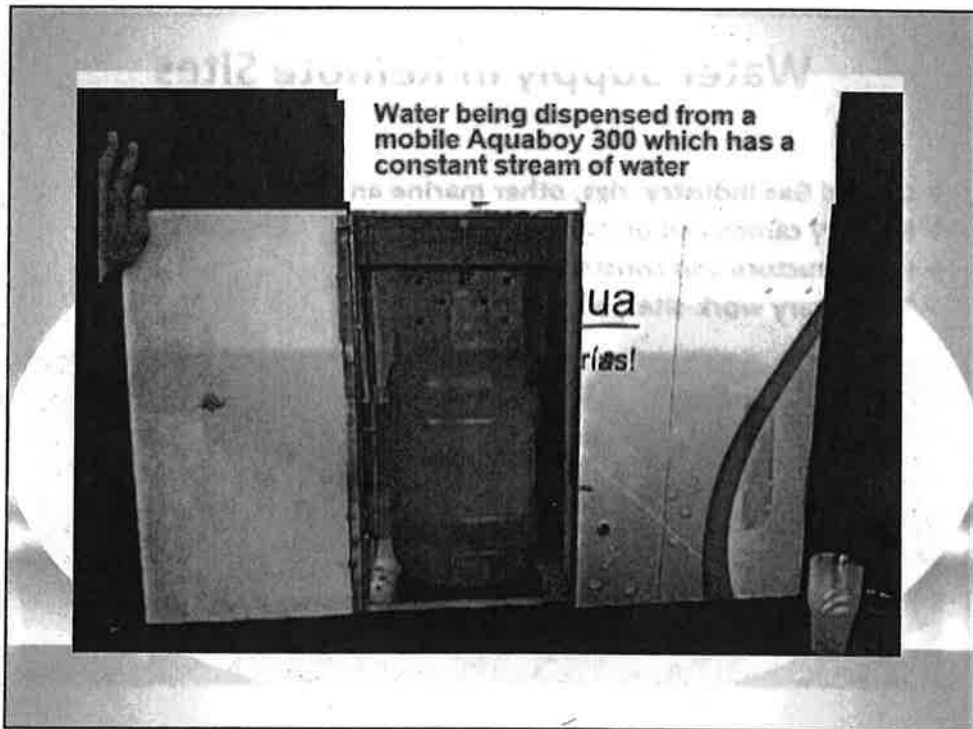
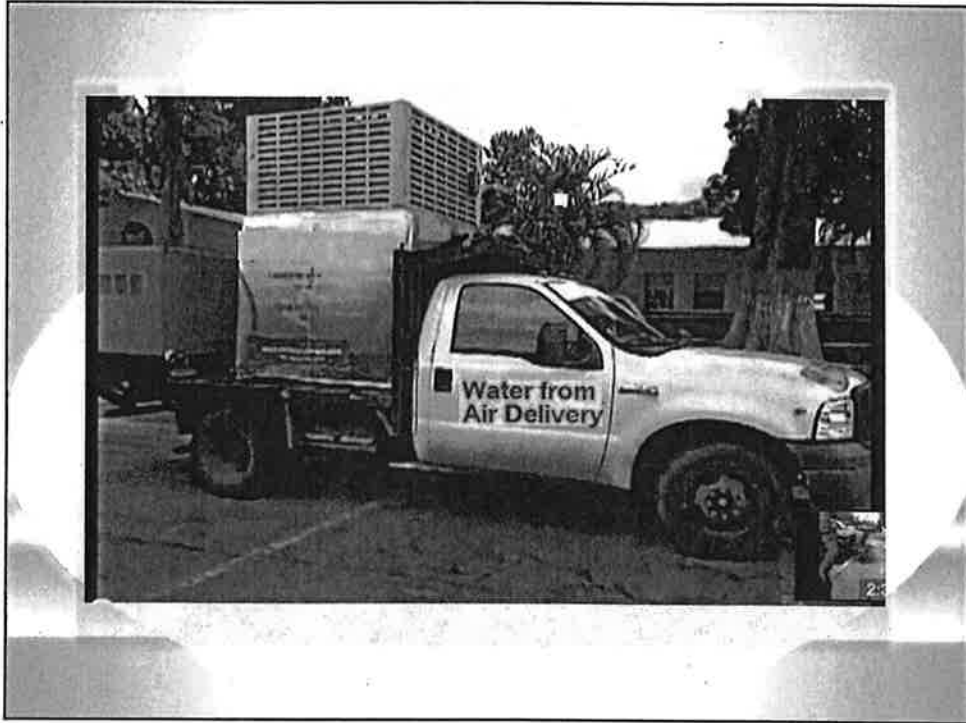
- ◇ Unlimited availability
- ◇ Powered by solar generators / diesel generators / bio-fuel generators
- ◇ Cost of water production 4 – 7 US cents per liter



Aquaboy 4500 Gallons per day



AquaBoy 4500





Water Supply in Remote Sites

- ◇ Oil and Gas industry: rigs, other marine and land facilities
- ◇ Military camps and units
- ◇ Infrastructure and construction companies
- ◇ Temporary work-sites, etc.



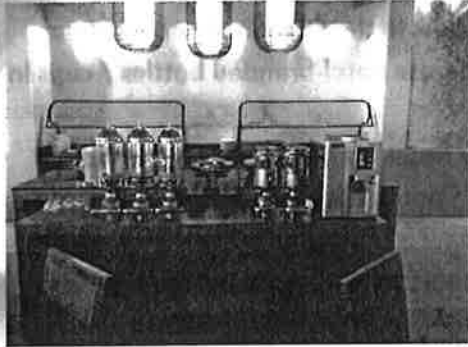
Solutions for Hotels (1)

- ❖ **The proposed model:**
 - ❖ **AWS AquaBoy 300 unit/s outside for production of superior quality pure water**
 - ❖ **Pure water goes to a central tank in the kitchen or service area**
 - ❖ **Water dispensed into multiple-use hotel-branded bottles / cups in the kitchen / bar, etc.**
 - ❖ **Pure water dispensed also by hotel-branded water mini-bars for use of the guests in the lobby, pool, spa, and/or other public areas of the hotel**
 - ❖ **Hotel gives the guests upon their arrival a branded multiple-use smart bottle for use in the hotel's pure water mini-bars**

Solutions for Hotels (2)

- ❖ **Other options:**
 - ❖ **A small bottling line in, where water bottled in hotel-branded closed bottles**
 - ❖ **Aquaboy Counter units and/or AquaBoy Pro units as in the Wyndham Hotel Group below**
 - ❖ **Other options available as per specific hotel requirements**

AWS AquaBoy in Wyndham Hotel Group A unit in the Lobby and one on the buffet table in the restaurant

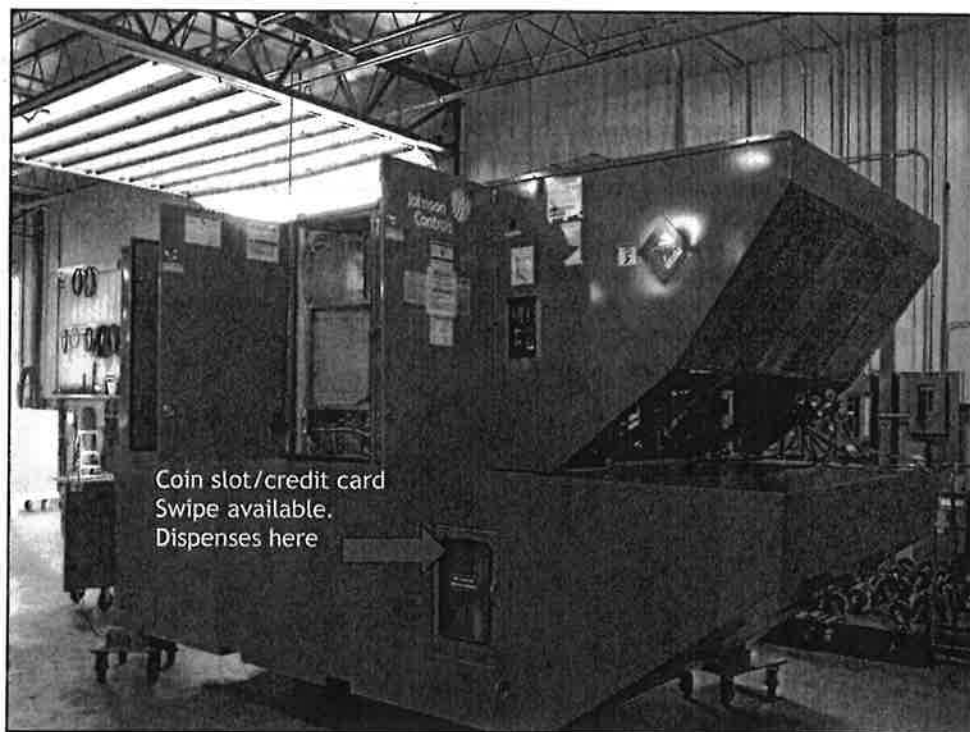


The Oasis Model: Pure Water Vending Machines (1)

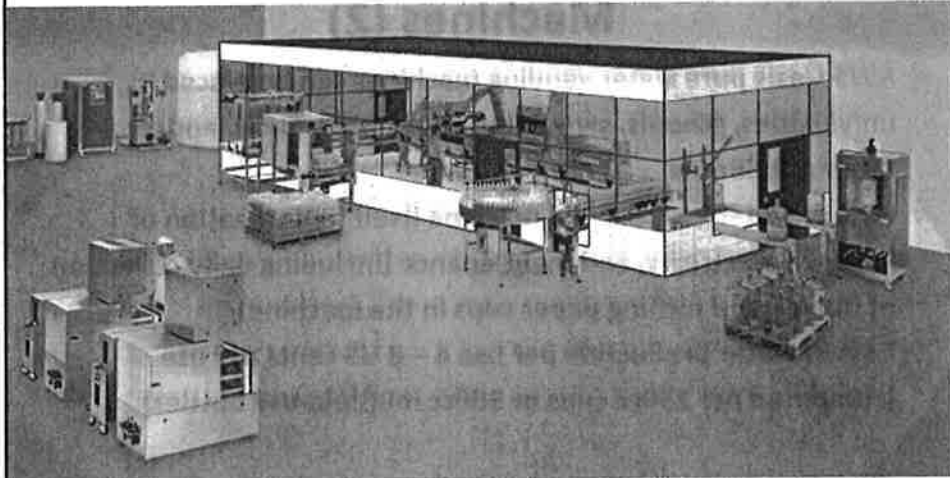
- ✧ **The configuration: An AWS AquaBoy 300 unit connected to a smart hotel branded water mini-bar**
- ✧ **The water minibar dispenses pure AWS water in two optional ways:**
 - ✧ **200cc / 330cc per use into a paper cup**
 - ✧ **500cc per use into a multiple-use bottle that the user puts under the tap (or any other quantity of water per use as the operator decides)**
- ✧ **A machine for sale of nice branded multiple-use foldable bottles stands beside the water mini-bar, where users can buy these bottles.**

The Oasis Model: Pure Water Vending Machines (2)

- ❖ AWS Oasis pure water vending machines can be placed in universities, schools, swimming pools, spas, malls, and/or any other public area
- ❖ Cost of water includes the machine itself (amortization or leasing), electricity, and maintenance (including daily collection of money and putting paper cups in the machine)
- ❖ Cost of water production per use 4 – 8 US cents per use (computed per 250cc cups or 500cc multiple-use bottles)



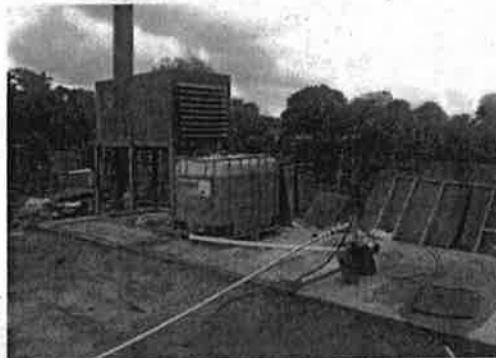
AWG Plant



Plant foot print is 10,000 square feet

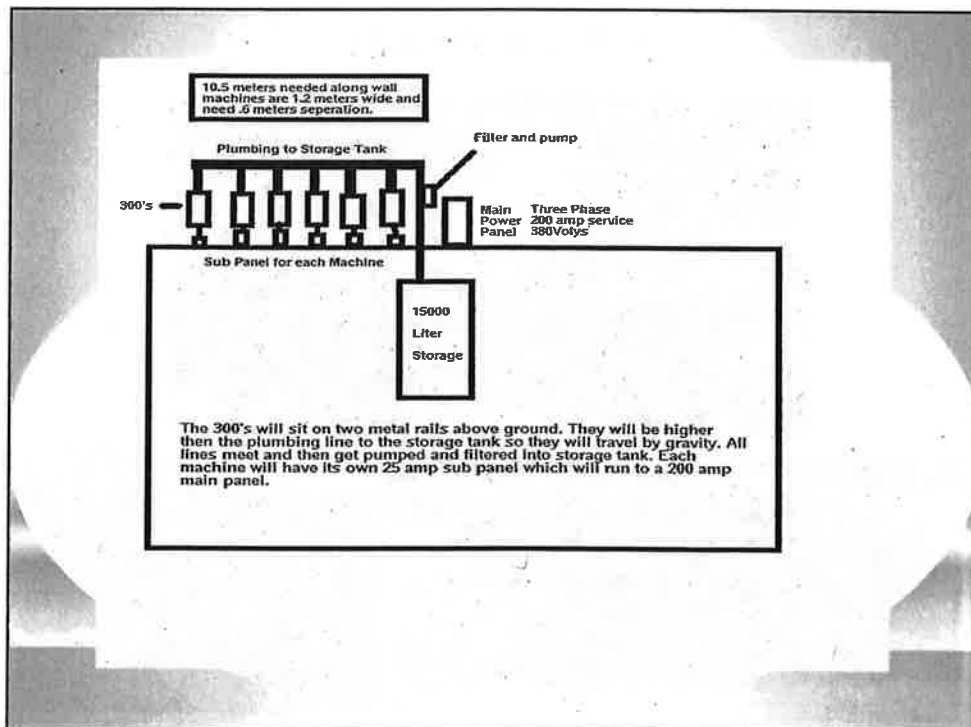
Solutions for Agriculture

- ❖ Extremely pure water for sensitive crops / significantly higher productivity
- ❖ Specially attractive for use in greenhouses and any other humid locations, where AWS AquaBoy 300 unit/s placed inside can replace dehumidifiers, and at the same time produce pure water
- ❖ In most cases, the saving in dehumidifiers (mainly on electricity) is twice as high as the cost of the AWS machines (including electricity)
- ❖ In addition, AWS Pure water significantly enhances productivity and/or used for drinking instead of expensive bottled water



Solutions for Bottling Plants

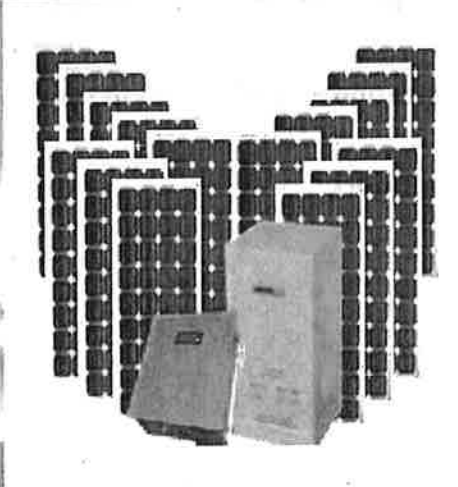
- ✧ AWS water production capacity can be expanded as per the size and needs of the bottling plant,
 - ✧ By bundling several AquaBoy 300 units together – as in the chart below
 - ✧ By using larger AWS water-generators




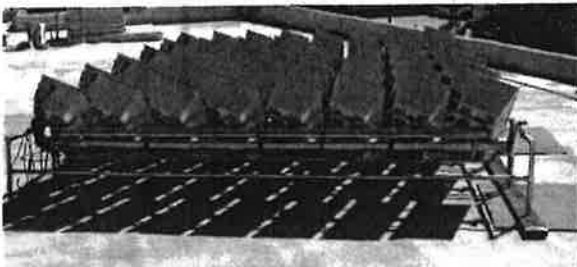
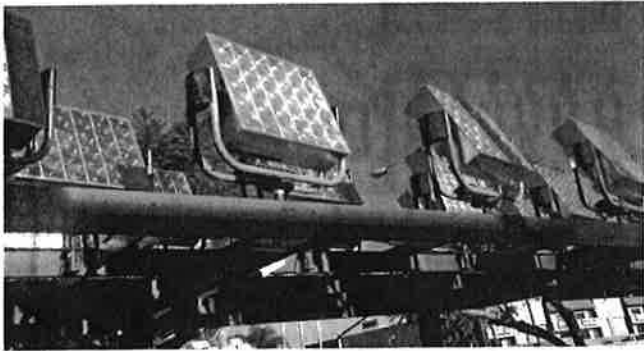
Solar Generator 5000 watts

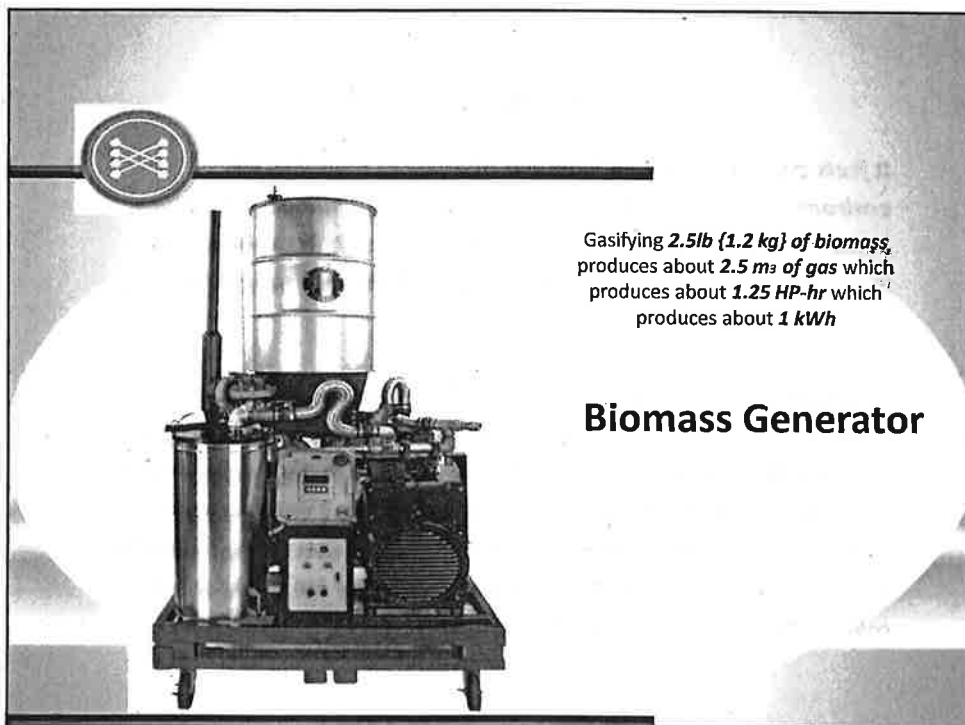
Main components:

Parts	Spec	QTY
Solar panel	12V100W	16
Controller & Inverter	96V5000W	1
Batteries (option)	12V100AH	8
Accessories	Cable	



Solar Power





Gasifying **2.5lb (1.2 kg) of biomass**, produces about **2.5 m³ of gas** which produces about **1.25 HP-hr** which produces about **1 kWh**

Biomass Generator

FUEL PRICE COMPARISON

Fuel	Price Range
Diesel	\$.35 = 0.50 kWh
Biomass	\$.02 = 0.05 kWh

BIOMASS FUEL CONSUMPTION

10KW Engine@75%Load
Biomass Wt. Power Output

1 hour	9kg	7.5kWh
8 hour	18kg	15kWh
24 hour	72kg	60kWh

20KW Engine@75%Load
Biomass Wt. Power Output

144kg	120kWh
216kg	180kWh
432kg	360kWh

Testimonials

It feels good to know that I am contributing to an improved environment, that I no longer need to carry large numbers of bottles home and that the water is purer than what is sold in stores and by water delivery services. Kudos to you for helping that happen!!! - L. Holtz, Marcum, LLP.

I want to tell you how pleased I am with my atmospheric water generator. As a cancer survivor health is a critical issue and your water machine delivers 24 / 7 the freshest and cleanest tasting water I have ever had. It provides me with a level of confidence I simply cannot get drinking from my tap or bottled water products. Everything I use it for tastes better. It's also great to have pure water for tea or chocolate and cold water for just enjoying a cool drink. - V. Shirck, Magnet World


The proofs in the pudding but the proof is also in the water. My water machine from Atmospheric Water Solutions gives me hot or cold water and they proved to me that it is the purest water in the world. I love my machine! - Kelly S. Miami

Atmospheric Water Solutions gets an A+ in my book for 3 reasons. 1. They offered to test my water. 2. They showed me my water was disgusting. 3. They proved to me that my new water machine makes the purest water in the world. I can't and won't drink anything else. - Gene P. Coral Springs, Fl

Do yourself a favor and do what I did. Make pure water from the air at zero cost. They proved it to me. - Laurel, Palm Beach, Florida

When I was asked if I would give a testimonial for my water machine I jumped at the chance. What got me from the beginning was when they tested my tap water, then the bottled water I drink and then the system I was using they all ended up being to put it nicely "nasty". I couldn't believe my family and I were drinking water that looked clear but when you tested it, it turns out a dark brown. My water machine stayed clear and I know that what's going into our bodies is the purest water in the world. My machine is quiet, looks great in the kitchen and produces at least 4-5 gallons a day. I'm so glad I found Atmospheric Water Solutions. You will be too! - Henry A, San Diego CA

My water machine bar none is the best machine ever. It makes pure water that is good for my entire family. Even the bottled water tastes bad compared to my machine. You really need to check it out. It's well worth it. Thank you Atmospheric Water Solutions. - John G. Los Angeles

 UNITED STATES PATENT AND TRADEMARK OFFICE <small>Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office</small>	
SEPTEMBER 12, 2012	PTAS
HOWARD ULLMAN 5000 THOROUGHREB LANE SOUTHWEST RANCHES, FL 33330	502054713
UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT	
<p>THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.</p> <p>PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.</p>	
RECORDATION DATE: 09/10/2012	REEL/FRAME: 028930/0652 NUMBER OF PAGES: 7
BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).	
ASSIGNOR: ZAKRYK, JOHN	DOC DATE: 06/13/2012
ASSIGNEE: ULLMAN, HOWARD 5000 THOROUGHREB LANE SOUTHWEST RANCHES, FLORIDA 33330	
APPLICATION NUMBER: 08641186 PATENT NUMBER: 5701749 TITLE: WATER COLLECTION AND DISPENSING MACHINE	FILING DATE: 04/30/1996 ISSUE DATE: 12/30/1997

Contact Us

Atmospheric Water Solutions, Inc.

5000 S.W.52nd St. Bay 519, Davie, Florida 33311, USA.

Howard Ullman –President and Founder

1-954-306-6763 Fax 1-954-533-7780

www.atmosphericwatersolutions.com



William A. Thayer Construction, Inc.
 2600 Garden Road, Suite 232 • Monterey, CA 93940
 (831) 641-9147 • Fax: (831) 641-9148
 admin@thayerconstruction.com
 Contractors Lic. No. 605259

August 18, 2014

Monterey Peninsula Water Management District
 5 Harris Court, Bldg. G
 Monterey CA 93940
 P.O. Box 85
 Monterey CA 93940-0085

RECEIVED

AUG 18 2014

ATTN Chairman Dave Potter

MPWMD

LETTER OF RESIGNATION

Dear Chairman Potter,

It is with deep regret, that I must tender my resignation as District 2 Director of the Monterey Peninsula Water Management District effective Friday August 22nd, 2014. This is due to the relocating of my personal residence outside the boundaries of District 2 and I would no longer qualify to represent the citizens of District 2.

I have enjoyed representing District 2 during my short time on the Board of Directors and feel I have made an impact.

I would like to acknowledge the dedication and hard work the Board of Directors perform as a professional team and it has been an honor to serve with them. I also would like to recognize your incredible skills in conducting our meetings and I have the utmost respect for your leadership, I have learned a lot in working with you and will take what I have observed and learned with me in my future endeavors.

I also would like to recognize the incredible staff for the Monterey Peninsula Water Management District as a professional team in all departments, without them providing the correct reports and information our job would be difficult to perform at the current level of expertise and knowledge. I also have to recognize the efforts of our General Manager Dave Stoldt for his expertise and leadership and the Water District is fortunate to have such an individual leading all departments.

Thank You


 Bill Thayer