

Available for Interview: contact Sandra Williams 386-736-4434

thequeen@queenofgreen.net > www.queenofgreen.net

Easy to be green? How about a \$58 power bill?

The Author of the “Queen of Green Tells All!” tells your audience:

- › The number one no brainer “green” thing everyone should have.
- › How to get thousands from the federal government for going green.
- › Why electricity rates go way up even though the power companies are regulated.
- › Which kills more birds, wind turbines or cats? The answer might surprise you.
- › How mold can infiltrate your house and cause health disasters.
- › The wild career the Queen had before she wrote her book.
- › How the Queen got those seven world records.
- › Who has more annual sunshine, NW Nebraska, or NW Georgia?
- › A PV system can cost a hundred grand. The Queen paid less than \$500 for hers.
- › Why the electric company dreads tankless water heaters.
- › Where your hair dryer will explode most spectacularly if used with no converter.
- › Germany has more solar energy per capita than just about anywhere else but is on the same latitude as ... Alaska?!
- › Almost everyone needs Air Conditioning these days. How you can save 70% of your cooling costs.
- › What Jay Leno has to say about going green.
- › What transformed a dirt poor sheep farmer in Ireland into a millionaire?
- › What system can run huge steam turbine power plants with no fossil fuel.



Queen of Green

“The Queen of Green Tells All!”

Is available for
\$14.00 from

www.queenofgreen.net

Sandra Williams' 30 year aviation career has been full of adventures. She has seven aviation world records (in skydiving) and has been an airline Captain for years.

What could possibly convince her to give it up? It was a harsh realization, but eventually she grasped that she was part of the problem. What clued her in? Maybe it was the millions of gallons of gas she had used during that aviation career.

She decided to change sides. From fossil fuel junkie to Queen of Green. Her years as a flight instructor had honed her skills at explaining complex subjects in an understandable way.



Captain Williams

Now she brings those abilities to the world of “green”. Her goal is the same. Take the somewhat dry subject of renewable/ alternative energy and make it easy to understand and entertaining. Sandra is now CEO of Energy Alternatives LLC and Author of the book “The Queen of Green Tells All!” a fun and easy to read guide to green energy.

Fun Trivia Questions for the Queen of Green Interview:

- 1) If you're going on a trip, and you decide to try to use your hairdryer as is, with no converter - where will your hairdryer blow up most spectacularly?
 - a. Tokyo, Japan
 - b. Paris, France
 - c. Bogota, Columbia

- 2) For every shower you take with an electric water heater, you put CO₂ into the air. Which of these is the equivalent in weight to the amount of this CO₂?
 - a. A large chainsaw
 - b. One full set of acrylic fingernails prior to installation
 - c. A standard bag of flour

- 3) Installing a solar water heater on your house is equivalent to doing which of these?
 - a. Taking a car off the road - you'll save 12,000 pounds of CO₂
 - b. Not refining 11.4 barrels of oil
 - c. Buying yourself a new ipod and a new iphone.

- 4) A single LED bulb will nicely illuminate what?
 - a. A two car garage
 - b. A small bathroom
 - c. The living room of a hamster

- 5) 20 years ago, when the Queen would go to work, what was her required equipment?
 - a. A parachute, she was a skydiver
 - b. Precision garden tools, she was a topiary specialist
 - c. A hard hat, she was a heavy machinery operator

- 6) Which of the following kills more birds?
 - a. House cats
 - b. Large wind turbines
 - c. Lawn mowers

- 7) Who had the first operating Air Conditioning System in the world, and when?
 - a. 1931 - The Palace Theatre in Topeka, KS
 - b. 1902 - The New York Stock Exchange
 - c. 1924 - Greenleaf and Son's Quality Printing - Savannah, GA

- 8) What system does almost everyone in Iceland understand that most of us know nothing about?

- a. Glacier based heat exchange
 - b. Ocean current turbine
 - c. Geothermal
- 9) Nasty and dangerous mold in your house can result from which of the following?
- a. An oversized AC unit
 - b. Watered down paint
 - c. Porous walls
- 10) Anything which remains plugged into the wall even while turned off will suck electricity - just a tiny bit. What is the name of this?
- a. Remora
 - b. Tapeworm
 - c. Vampire
- 11) Germany, which per capita uses more solar energy than almost anywhere else in the world is at the same latitude as which US State?
- a. Arkansas
 - b. South Dakota
 - c. Alaska
- 12) Net Metering refers to what practice by the Power Company?
- a. The measure and taxation of fishing nets which are caught in power plant cooling ponds.
 - b. A new method of metering which allows the homeowner to calculate the time of greatest electricity usage.
 - c. The practice of paying retail for any electricity produced by a homeowner or business.
- 13) Which of these areas has more sunshine throughout the year?
- a. NW Nebraska
 - b. NW Georgia
 - c. Central South Carolina
- 14) Which of these areas has the best wind resource?
- a. The panhandle of Oklahoma
 - b. The middle of Lake Michigan
 - c. Key West Florida

Answers:

1) b

The answer is Paris! Voltage in Japan and Columbia - strangely enough - is 110. In Paris, as in most of Europe, standard voltage is 230.

2) c

The average 10 minute shower uses about 20 gallons of hot water. For each four gallons of hot water produced through electricity, one pound (.45 kilos) of CO₂ is emitted from the power plant. Meaning the average shower results in about 5 lbs (2.2 kilos) of CO₂ being put into the air.

3) All of the above

Installing a solar water heater saves all sorts of energy - the equivalent of 11.4 barrels of oil - resulting in 12,000 fewer lbs of CO₂ being put in the atmosphere. You'll also save more than \$500 per year in operation costs - enough to buy plenty of fun gadgets.

4) c

A single LED bulb is a tiny thing - about the size of the tip of a pen. Most LED based systems use lots of these little bulbs put together.

5) a

She was a skydiver. She has seven world records, and performed at Air Shows all over the world. She's not very good with plants, but would love to operate heavy machinery!

6) a

Cats of course! 'Tis an urban legend that wind turbines kill massive numbers of birds. The actual number is something like two - per wind turbine - per year. House cats on the other hand, take out 39 million birds every year - in Wisconsin alone.

7) b

New York wins hands down. Print shops and movie theatres were big early users of air conditioning systems, but the New York Stock Exchange beat them all to it - and much earlier than most of us would have guessed.

8) c

Iceland is blessed with a wonderful resource - a large pool of super heated water far under the island. Some years ago, Reykjavik - the capital of Iceland, installed a municipal heating system based on this lovely resource. Geothermal as we might use it here in the US is based on a smaller and different form of heat exchange. However - geothermal systems are wildly efficient for both heating and cooling.

9) All of the above

An oversized AC unit can shock cool the air, meaning humidity is not removed. If walls are porous due to poor paint application, a really gross (not to mention dangerously unhealthy) case of mold can result.

10) c

Though a blood sucking fish, and an intestinal parasite seem like excellent names for appliances which steal your electricity when you're not looking, in fact, the name is vampire.

11) c

Alaska! Surprise. Just goes to show that solar energy can work almost anywhere in the world.

12) c

Net metering is a great deal for a homeowner or business which has a PV or PhotoVoltaic system as it means the power company will pay the same retail price for any power you produce as you pay them. Most power companies do not voluntarily institute net metering programs since they'd rather have you pay retail... but only pay you the lower wholesale cost. Many states either have net metering programs or are seriously thinking about them.

13) a

Surprise! It's NW Nebraska. Most would probably guess Georgia or SC. Just goes to show, every area has alternative energy resources. You just gotta check to see which ones.

14) b

Every area does have renewable energy resources, and whenever you're around a big body of water, the wind will be excellent. Many big wind turbine "farms" are located on the shore of big lakes... like the Great lakes. Both Canada and the US have many.

**QUEEN OF
GREEN**

Sandra Williams ▶ 2423 E. New York Ave ▶ DeLand, FL 32724 ▶ 386-736-4434
thequeen@queenofgreen.net ▶ www.queenofgreen.net

Sample Questions for the Queen of Green

Q: You used to be an Airline Captain. Why in the world would you leave that to do this green energy stuff? Isn't flying fun? I've heard it's a great job.

Q: You said something about Jay Leno... what does he think of green energy?

Q: I've always heard that PV systems cost \$40,000 or so, yet you say you have one that costs less than \$500?

Q: You say the power company dreads tankless water heaters. Why would that be? I thought tankless heaters were great.

Q: Many people these days have mold problems with their homes or businesses. You mention something about mold in your book.

Q: These days, almost everyone needs Air Conditioning during the summer. You say there's a way to save up to 70% on your cooling costs?

Q: I've always heard that wind turbines are bad because they kill millions of birds. You say that's not true?

Q: You also claim there is some sort of massive power plant that can be run with no fossil fuels at all. How is that possible?

Q: What's your favorite no-brainer green item?

Q: How many panels on your roof for a solar water heater?

Q: You obviously like solar water heaters. How much are they?

Q: This system only works in the south - right?

Q: We've all heard about incentives to go green. How much are they?

Q: What does renewable energy actually mean?

Q: Many people really hate the power company and want a "divorce". Is that possible?

Q: Do you think global warming is real?

Q: Do you think an energy disaster is coming?

Q: I've heard you have seven world records. Is that true?

To contact the Queen of Green: thequeen@queenofgreen.net
Sandra Williams: 386-736-4434 ▶ cell: 386-956-6674 ▶ www.queenofgreen.net