

THE BIG GREEN ENERGY BUS

Our flagship vehicle, The Big Green Energy Bus is a rolling energy laboratory featuring cutting edge green technology from LED flat panel lights to interactive touch screen energy systems to “living” displays and algae. Inside the “BGEB” visitors are immersed into a world of ‘edutainment’ stations that provide them with fundamental, hands-on learning in energy efficiency, solar power, algae, hyper vehicles, water recycling and green building. The BGEB’s systems are dynamic and change with the amount of energy being produced by its popup rooftop solar panels and its biodiesel generator. By interacting with the onboard systems, visitors learn how algae can be used to produce gasoline, how to turn sewage in to fuel and drinking water, how to make biodiesel, how to build green, how to compost and how to turn America’s unhealthy school buses into clean green buses like this one!



POWER REQUIREMENTS:

Outdoors the BGEB is self-powered.
Indoor events require 1 x 110 Volt, 20 Amp circuit

SIZE:

38 feet long, 10 feet wide, 12.5 feet high
(15 feet high with raised solar panels)

learning stations that explain each of the features of the bus

conservation displays

flip on and off the lights & see how much power can be saved!

exciting interactive multi-media displays that educate students



a greywater display where water is recycled and students can actually eat the vegetables

learn how solar panels work

HERO
EX FUEL FOR HUMANITY™

FEATURES:

- Seven touch screen displays with interactive green technology
- five 3D interactive display stations
- 16 solar panels
- 40" dynamic LED TV energy monitoring display system
- Biodiesel generator
- VIP lounge with 3 screens and surround sound
- “Living” displays including algae and water recycling
- Wi-Fi connectivity (20-foot radius)
- Can host 300 visitors an hour
- Seats 25 for movie screenings
- All green interior construction
- On Board 8.5kW Power Generation for small to edium sized music events

Special thanks to Frank Caridi for his hard work and dedications with the Big Green Energy Bus.



THE BIG GREEN ENERGY BUS SPONSORS

HERO BX:

The leading producer of biodiesel, HERO BX is dedicated to providing the highest quality sustainable fuel in the United States. Since its first production facility turned on in 2006, HERO BX has been known throughout the industry as a producer of some of the world's best fuel, producing biodiesel from animal fat, used restaurant grease, and waste product from soy bean processing. As a leader in innovation HERO BX is diversifying into next generation seed oils including camelina as well as even more exciting feedstocks such as algae oil. HERO BX operates multiple plants across the U. S. directly employing hundreds and indirectly employing thousands, which contributes to U.S. economic growth. As domestic and foreign petroleum oil resources are exhausted HERO BX will be able to provide the U.S. with domestically produced, sustainable fuel for generations to come. HERO BX is one of the United States' best examples of the how we can create jobs in the U. S. while reducing our dependence on foreign oil and creating a green economy.



Sapphire Energy



Sapphire Energy is pioneering an entirely new industry – Green Crude Production – with the potential to profoundly change America's energy and petrochemical landscape for the better. Products and processes in this category differ significantly from other forms of biofuel because they are made solely from photosynthetic microorganisms (algae), sunlight and CO₂; do not result in biodiesel or ethanol; enhance and replace petroleum-based products; and are carbon neutral, renewable and scalable. The final products – gasoline, diesel and jet fuel – meet ASTM standards and are completely compatible with the existing petroleum infrastructure, from refinement through distribution and the retail supply chain.

Sapphire's Green Crude already has been used successfully in several test flights with the commercial airlines Continental and JAL.

www.sapphireenergy.com and www.greencrudeproduction.com.

PERF GO GREEN:

Perf Go Green creates 100% eco-friendly, non-toxic, food contact compliant 100% biodegradable plastic products as a practical and viable solution to eliminating plastic waste from the world environment.



www.perfgogreen.com

Paul Mitchell Systems



Paul Mitchell Systems ardently supports a wide variety of philanthropic causes. Recent donations, products, and services have been made to non-profit organizations operating in the fields of environmental protection and awareness, and the arts.

www.paulmitchell.com

CURRENT ENERGY:

Current Energy develops and implements comprehensive solutions for the commercial and residential markets that are both cost effective and environmentally friendly. They boast the world's first energy efficiency store.



www.currentenergy.com



www.veggievan.org

THE BIG GREEN ENERGY BUS SPONSORS

ECOsurface FLOORING:

The flooring on the bus is made from recycled tires. ECOsurfaces Commercial Flooring is largest user of scrap tire rubber in the U.S., converting over 80 million pounds of tires annually into recycled rubber flooring for commercial use including schools. Manufactured primarily from recycled rubber, ECOsurfaces come in a range of designer friendly color patterns, can contribute to LEED points and is FloorScore certified.



www.ecosurfaces.com

OUTBACK SOLAR POWER CHARGING SYSTEM AND INVERTERS:

As you walk in the bus on the drivers' side, you'll notice a panel of heavy duty electronic equipment made by OutBack Solar. OutBack products allow you to take the DC power produced by solar and wind and convert it to household AC electricity. OutBack Power provided the Bus with a complete FLEXware 500 system, including FX Series True Sinewave Inverter/Chargers, FLEXmax Maximum Power Point Tracking (MPPT) Charge Controllers and balance-of-systems components. OutBack has a reputation of producing highly reliable products that work in very harsh conditions that cause most power electronics to fail such as mobile vehicle applications, remote villages and hospitals in Africa, and off-grid homes far from the utility. With installations all around the world, OutBack is a proven solution to provide you power where you need it.



www.outbackpower.com

SOLAR PANELS:

On the roof of the bus are 1Sharp Off Grid 80 WATT solar panels. Sharp's advanced surface texturing process increases light absorption and improves efficiency. Common applications include cabins, solar power stations, pumps, beacons, and lighting equipment. When you choose Sharp, you get more than well-engineered products. You also get Sharp's proven reliability, outstanding customer service and the assurance of a 25-year limited warranty. A global leader in solar electricity, Sharp powers more homes and businesses than any other solar manufacturer worldwide.

A portion of the Panels were supplied by EARTH FRIENDLY PRODUCTS and their new Solar Division EARTH FRIENDLY SOLAR. We pledge that our products are environmentally responsible, work well and provide value. We will never test on animals or use animal ingredients. We will conduct business in a socially responsible manner that safeguards the earth.



www.ecos.com

GENERAC BIODIESEL/DIESEL FUEL GENERATOR

Underneath the bus on the drivers' side is a Generac QP85 Biodiesel/Diesel Generator that provides electricity to the bus when the sun isn't shining or when we're using heavy-duty appliances. For over 50 years Generac Power Systems has been engineering and manufacturing standby power. Today's range of products includes everything from portable and RV generators to automatic standby systems for homes, businesses and industry (four out of five automatic home standby generators sold are manufactured by Generac).



www.generac.com



www.veggievan.org

THE BIG GREEN ENERGY BUS SPONSORS

ECOBLU

Yes, all the wood onboard is blue! EcoBu's product Bluwood has created and distributes a lumber treatment that can be applied to any wood product in construction. It is insect resistant and resists water damage. How is EcoBlu green? By enduring weather and resisting termites, Bluwood lasts much longer than non-treated lumber. The treatment process has a distinct advantage of not containing arsenic or other toxins.

www.SCBluwood.com



QUIXOTE

Q U I X O T E

It takes power to make power! The good folks over at Quixote have supplied the portable electricity for the BUS during it's construction. If you've seen TV or film, you've probably seen it because Quixote was there! From studio space to production offices to 4K Par HMI's (those are lights, for you non-industry types!) Quixote rents it. Sadly, the Big Green Energy Bus is not available for your mobile GREEN film production needs, but the QUIXOTE VERDE is! It's probably got cushier seats, too.

www.quixote.com

ZERO MOTORCYCLES:

The Zero S is a revolutionary motorcycle that is designed to tackle any city street, hill or obstacle," said Neal Saiki, inventor and founder of Zero Motorcycles. "The innovation behind the Zero S is what separates it from the competition. The Zero S is a high performance motorcycle that also happens to be fully electric and green. The fact that it's electric means not having to get gas and reduced maintenance."

www.zeromotorcycles.com



eConnect Group



We are sustainability professionals dedicated to providing public & private enterprise with successful strategies that lessen their carbon footprint on the planet. More importantly we demonstrate how going green can benefit your bottom line.

www.econnectgrp.com

ABOUT THE VEGGIE VAN ORGANIZATION

OUR VISION



OUR GOAL THIS YEAR

MAKE OUR GREEN CURRICULUM AND 35 MINUTE EDUCATIONAL CUT OF 'FUEL' AVAILABLE TO EVERY SCHOOL IN THE U.S. THIS YEAR - **FOR FREE!**



Our Mission

The Veggie Van Organization will provoke a fundamental shift in society's understanding of, and accountability for, our natural resources by creating change agents who will drive the adoption of sustainable energy systems throughout the world.



www.veggievan.org