



www.mecasolar.com Ads by Goooooole

NorCal Solar Energy

Residential Solar Systems Built To Last for Your NorCal Home.
www.SunPowerCorp.com

California Solar Energy

Research home solar panels in California. Get a free quote!
California.researchSOLAR.com



Ads by Google

Nuclear energy provides
70% of the emission-free electricity in the U.S. Get the facts.
www.nei.org

New Ford Fusion Prices
Fast & Free Ford Fusion Quotes. Get the Inside Price from Dealers!
www.WhyPaySticker.com

Used Ford Fusion Reviews
Research, Reviews, Pricing & More. Get Fusion Discount Prices
www.Ford.Edmunds.com

Zero Point Energy Exposed
Can You Power Your Home For Free? Get The Truth - Start Saving Today
www.ZeroPointPower.net



Ads by Google

July 24, 2007

Governor Schwarzenegger to research Revolutionary Radiation Free Fusion Reactor

In a move sure to impress environmentalists and further cement his Earth friendly image, Governor Schwarzenegger is set to launch a multimillion dollar research effort into a revolutionary new source of clean non-polluting power.

The project is focused on the Inertial Electrostatic Fusion reactor invented by the award winning American physicist Dr. Robert W. Bussard. The Radiation Free Fusion Reactor has the potential to change the whole landscape of energy generation, which is usually a choice between bad and worse options that include Nuclear, Coal and Natural Gas systems.

The State of California peak energy usage is about 40,000 Megawatts and is only expected to grow steadily over the coming years . Fusion opens a whole new avenue of cheap clean energy that could not on

ly satisfy growing energy needs but also fuel massive water desalination plants that could help solve California's acute water shortages.

Fusion is the energy that powers everything in the universe. The sun's energy comes from fusion. Alternatively, fission is the process whereby heavy atoms, which are nearly unstable, are split into two radioactive atoms. Fusion, on the other hand, is when two light atoms merge.

The fusion process invented by Dr. Bussard takes boron-11 and fuses a proton to it, producing, in its excited state, a carbon-12 atom. This excited carbon-12 atom decays to beryllium-8 and helium-4. Beryllium-8 very quickly (in 10-13 s) decays into two more helium-4 atoms. This is the only nuclear-energy releasing process in the whole world that releases fusion energy and three helium atoms -- and no neutrons. This reaction is completely radiation free.

The potential of one Electric Fusion reactor would be in the range of 100 to 1,000 MW and would provide power for up to 250,000 homes at peak output with a potential cost of construction of around \$200 million dollars, making it relatively inexpensive compared to the ITER reactor that is to begin construction in France at a cost of \$12 billion US dollars.

Dr. Robert W. Bussard is an American physicist working primarily in nuclear fusion energy research. Bussard received his PhD from Princeton. He is currently functioning as co-founder and director of Energy/Matter Conversion Corporation. He is the former Assistant Director to the U.S. Atomic Energy Commission and has held prominent positions at Los Alamos National Laboratories,



The reactor works by using Quasi-spherical magnetic fields that trap injected energetic electrons to form a spherical negative potential well. Fusion ions trapped in this spherical well focused through central region oscillate across the "core" until they are reacted.

Oakridge Labs, and TRW Systems.



· **Ads by Google:** [Nuclear Energy News](#) [Solar Energy Kit](#) [Wind Energy Info](#) [Energy Technologies](#) [Energy Efficient](#)