ENVIRONOMICAL LIVING

SOCIAL, ENVIRONMENTAL AND ECONOMICAL

© TM

CLIMATE CHANGE IS REAL

TRANSITIONING IS A MUST

MOUNTAIN BASED SUSTAINABLE ELECTRICITY IS A MEANS TO GROW THE ELECTRICAL GRID

Conventional Energy Problems

Electrical Power is produced by Fossil Fuel(s) and Hydro Dams

Fossil fuel(s) exploration, extraction, production, transportation and combustion creates extensive water, land and air pollution. All mining requires tailings ponds to settle the toxic minerals. Most tailings ponds are extremely environmentally hazardous.

Oil rigs build well sites and roads on farmland and wilderness. If the well site is productive, it then becomes a pump station. Oil rig sites and roads minimize farmland and wilderness habitat. Extracting oil requires the use and loss of vast amounts of water.

Fracking oil rig drilling bores deep into the Earth's shale layer. Vast amounts of water, sand and chemicals are injected into the borehole to create a network of cracks that enable the gas to flow. The cracks remain forever and accommodate land movement.

Sand and other applied aggregates are inadvertently depleted. Non productive wells are dumped on the tax paying public. Mining tailings ponds are toxic and typically become huge lakes that kill water fowl and other wildlife that land on or enter them.

Hydro electric dams bury traditional land. Buried vegetation rots and emits methane. Dams and reservoirs reduce the river's flow. River temperature increases, water quality degrades, wildlife are negatively impacted, the delta dries up and swamp life dies off.

All Conventional Energy Systems are Environmentally Harmful

Sustainable Electricity Strategy

The Sustainable Electricity Strategy is Environmentally Benign

It is best to build wind mill and solar panel farms on the tops of mountains, rather than remove the mountaintops to mine coal. To add more electricity, water will be enabled to cascade down the mountains with kinetic force and speed into turbine pipes.

Mountaintop windmills and pumped hydro are non intermittent. Deep geothermal and green hydrogen will add even more non intermittent electricity. Small modular nuclear reactors (SMR's) and fusion are also reliable and will be added, when developed.

The wind always blows on mountaintops. Constant wind will cool the solar equipment and drive the windmills. Mining and drilling technology will build service elevators and powerline tunnels to maintain and carry electricity to in-mountain storage batteries.

Multiple types of mountain electricity will be stored in the bases of the mountains in large sand batteries. Sand batteries will offer electricity for months without recharging. Long life sand batteries and electrical power line tunnels enable a fully electric lifestyle.

Mountain sourced Sustainable Electricity is environmentally safe. Fossil fuel(s) extraction, production and combustion will be most effectively minimized. Multiple sources of mountain based Sustainable Electricity needs to be researched and developed.

Research and Develop the Sustainable Electricity Strategy

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securing government research and development funding usually requires fifty percent of the total research and development cost

YOU SHOULD CONSIDER JOINING IN THE GROUP DEVELOPMENT OF SUSTAINABLE ELECTRICITY