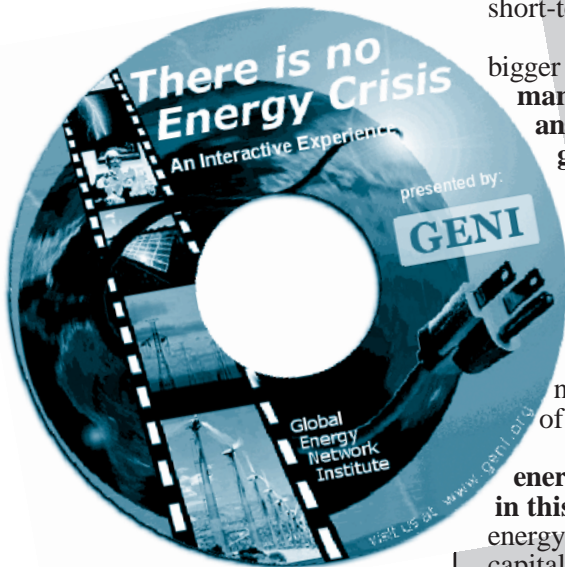
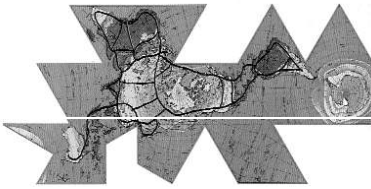


GENI

GLOBAL ENERGY NETWORK INSTITUTE



Energy Ministers commit to regional links

There is no energy shortage!

The earth at night -- Prosperity is not universal

Endorsements from:

- Vicente Fox
- Walter Cronkite
- Dalai Lama
- Victor Yershevich

What you can do!

Dear GENI Friend,

Energy -- it's production, transportation, cost and waste stream affects everyone. The recent changes in this industry are creating great uncertainty: deregulation, California's energy crisis, natural gas shortages, utilities going global while others file for bankruptcy. Some of these are short-term anomalies, and some changes become the trends of our future.

During chaotic times, it's always best to step back and ask the bigger question: **Can we meet the energy needs of society in a sustainable manner for the long term?** For years, the GENI Initiative has answered by declaring the highest priority for utilities, environmental groups and national governments is to link the renewable energy resources around the world.

After a decade, the first half of this strategy has been universally embraced. GENI participated in a series of energy ministerial summits hosted by the U.S. Dept. of Energy -- and every Energy Minister from Asia, Africa, North and South America pledged to accelerate the interconnection of electric power networks with neighboring nations. Just ten years ago, only 25% of the 200 nations of the world traded electricity across borders. Today, half of them do!

What's needed now? A massive shift towards renewable energy generation -- fostered by a deliberate, equally large investment in this technology. For the past several decades, fossil fuels and nuclear energy accounted for 80% of all power generation -- burning up our planet's capital resources. On the other hand, renewable energy represents our earth's income resource -- it's potential is virtually unlimited and has now become cost competitive.

Dr. Buckminster Fuller declared, "There is no energy shortage, there is no energy crisis, there is a crisis of ignorance." When all our energy options are considered, there is enough clean energy for everyone, forever.

The sooner we shift, the better for everyone. We invite you to visit our updated web site: www.geni.org -- and request a copy of the CD-ROM, "There is no Energy Crisis."

In partnership for the planet,

Peter Meisen
President

ENGINEERING PEACE &
SUSTAINABLE DEVELOPMENT

www.geni.org

WORLD'S ENERGY MINISTERS PLEDGE TO LINK POWER GRIDS

U.S. Energy Department teams with World Bank on Regional Electricity Venture

Hemispheric Energy Ministers Conference
New Orleans, July 1999

Joint Statement on Sustainable Energy Development and Cooperation in Support of the Environment

U.S. Africa Energy Ministers Meeting
Tucson, Arizona December 1999

Integrated Trans-ASEAN Energy Network to be Accelerated

Association of Southeast Asian Nations
Energy Ministerial
Hanoi, Vietnam, July 2000

LATIN AMERICA

The U.S. Energy Secretary announced the beginning of a Joint Cross Border Transmission Project co-sponsored by the World Bank and a South American Group, the Commission for Integration of Electricity (CIER). The project will promote regional integration in electricity systems and power markets in 10 South American Countries. This project highlights three of the issues discussed: it will reduce the cost and expand the reach of electricity supply and mitigate the environmental impacts of production and transmission in these South American countries and provide opportunities for the private sector.

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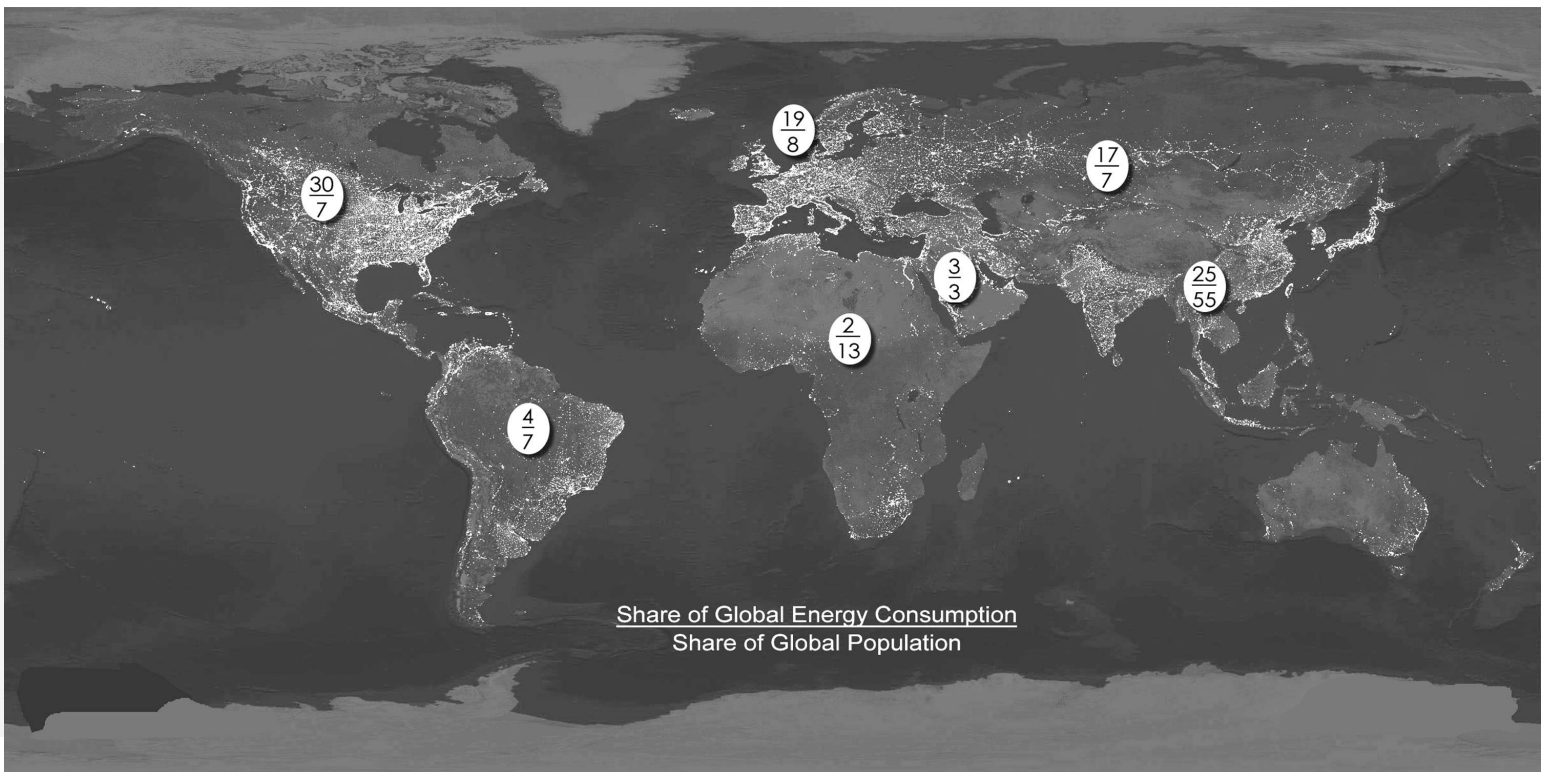
Peter Meisen

The Earth at Night

a picture of all humanity, or one of prosperity?

This beautiful mosaic view of our planet from outer space show pearls of light that appear to link all humanity. It's easy to find major cities, the Nile River and the Siberian Railway. However what you don't see is just as important as what you do. Notice the intensity of light in North America and Europe, representing several hundred million people each. Compare this to the 3 billion people who live in China, India and Southeast Asia, where energy per capita is about 5% of the western nations.

A stark light/dark line is evident between prosperous South Korea and the struggling North. One third of our human family, 2 billion people, has no access to electric power, and are literally in the dark. It's also important to remember that 80% of this light is powered by either fossil or nuclear fuel, and thus creates some form of toxic pollution.



A F R I C A

The Energy Ministers met to discuss the unique needs of Africa, including its serious energy shortages, limited access to exploitation and consumption of energy, and heavy dependence on traditional energy sources, taking into account its diversity and enormous potential. The Energy Ministers stress the importance of the energy sector's role in poverty alleviation, social and economic development, and enhancing overall environmental protection on a local, national, regional and global basis to improve people's health and education, promote sustainable economic development, and improve the overall quality of life in the 21st century and beyond.

Targeted Areas for Cooperation: Regional Energy Integration: programs and activities, among government and public and private sectors to promote electricity grid and power pooling. . . and Clean Energy Sources and Energy Efficiency: programs to promote cooperation among African nations and the U.S. on clean energy sources in such as solar, wind, ocean, geothermal, hydro, biomass, natural gas, coal-bed methane development, smokeless fuel circulating fluidized bed coal technology and other clean coal technologies.

A S I A

The ASEAN Ministers of Energy agreed to accelerate the implementation of an integrated trans-ASEAN energy network consisting of an ASEAN Power Grid and Trans-ASEAN Gas Pipeline projects to promote ASEAN economic integration. In particular, the Ministers agreed to actively explore international and local sources of capital investment to bring these energy projects into reality. The Ministers acknowledged that the development of energy infrastructure, diversification of energy supply, improvement in energy efficiency and the utilization of new and renewable energy technologies would greatly contribute to the region's energy security.

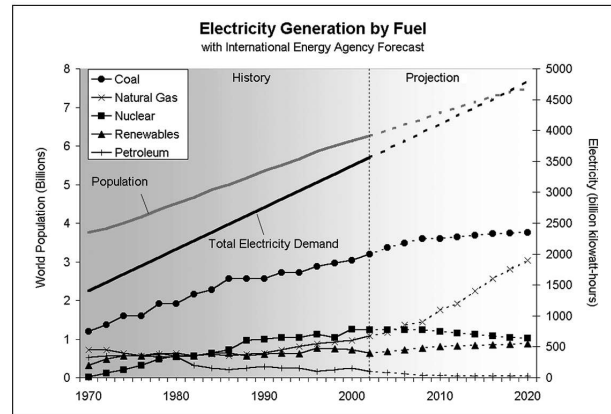
There is no energy shortage

Over the next two decades, \$9-\$15 trillion will be invested in new power projects around the world.

If these energy projects follow the business-as-usual expectations of the International Energy Agency, our planet is sure to experience damaging levels of air pollution, acidification of ecosystems, land and water contamination and loss of biodiversity.

Klaus Topfer, Director of the United Nations Environmental Program, wrote that "the economic burden of this pollution is estimated at 0.5 to 2.5 percent of world GNP, some \$150-750 billion per year. These facts alone are reason enough to find new sources of energy and change the way it is used. However, an even more compelling reason to accelerate the switch to clean forms of energy is climate change."

Population growth in the developing nations drives the demand for additional energy resources. 2 billion people, 1/3 of humanity, still have no electricity. Their need for potable water,



refrigeration of food and medicine, and basic lighting should be considered a basic human right in all societies.

At present, 80% of all power generation comes from fossil and nuclear fuels. The World Energy Council describes a "window of opportunity" between now and 2020. Because of the life times of power plants, refineries and other energy investments, there is not sufficient turnover of such facilities to change course quickly. But the seeds of the post-2020 world will have been sown by then. Thus, choices about the world's future energy systems are wide open now.

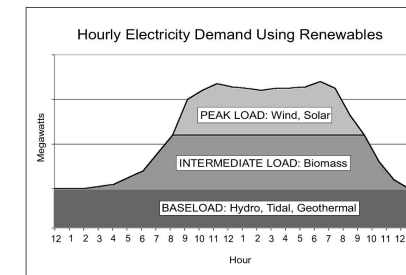
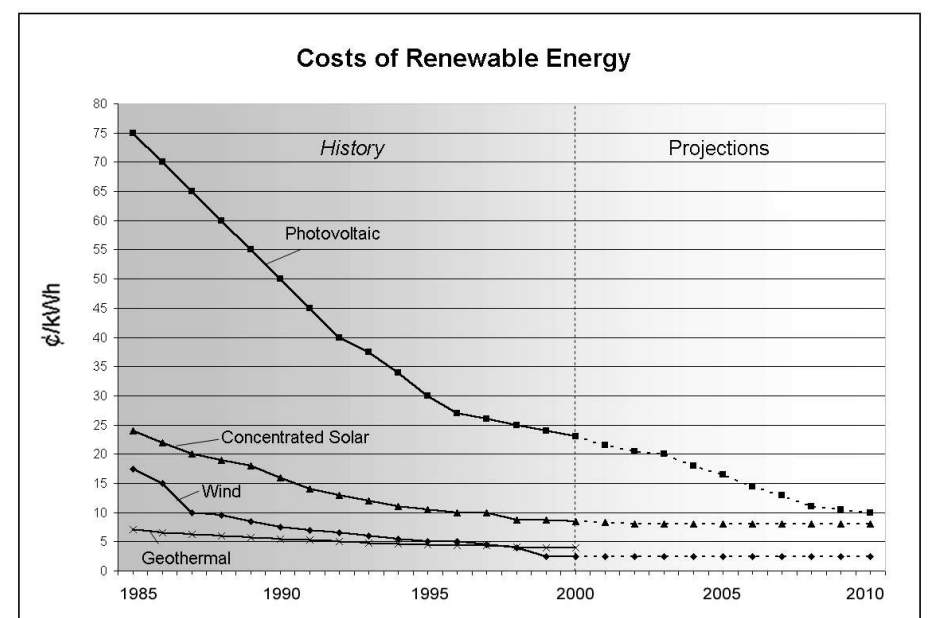
The global renewable energy resource is abundant far beyond our needs.

Clean and inexhaustible renewable energy capacity exists on all continents – and has now gained favor with investors and governments. From a small base in the 1970s, biomass, geothermal, solar, wind and small scale hydro have grown proportionally faster than both fossil fuels and nuclear power. In recent years, wind power is growing at 24% and solar energy at 17%, with major global firms like Shell, BP, Siemens and Enron playing lead roles.

There is no energy crisis

For example, wind power has grown from a producer of small machines to a modern, multi-billion dollar industry supplying bulk, grid-connected power. Over 16,000 megawatts of wind generate clean electricity in over 30 nations. Since 1980, the costs have dropped five-fold, making windpower cost competitive with most fossil fuel technologies.

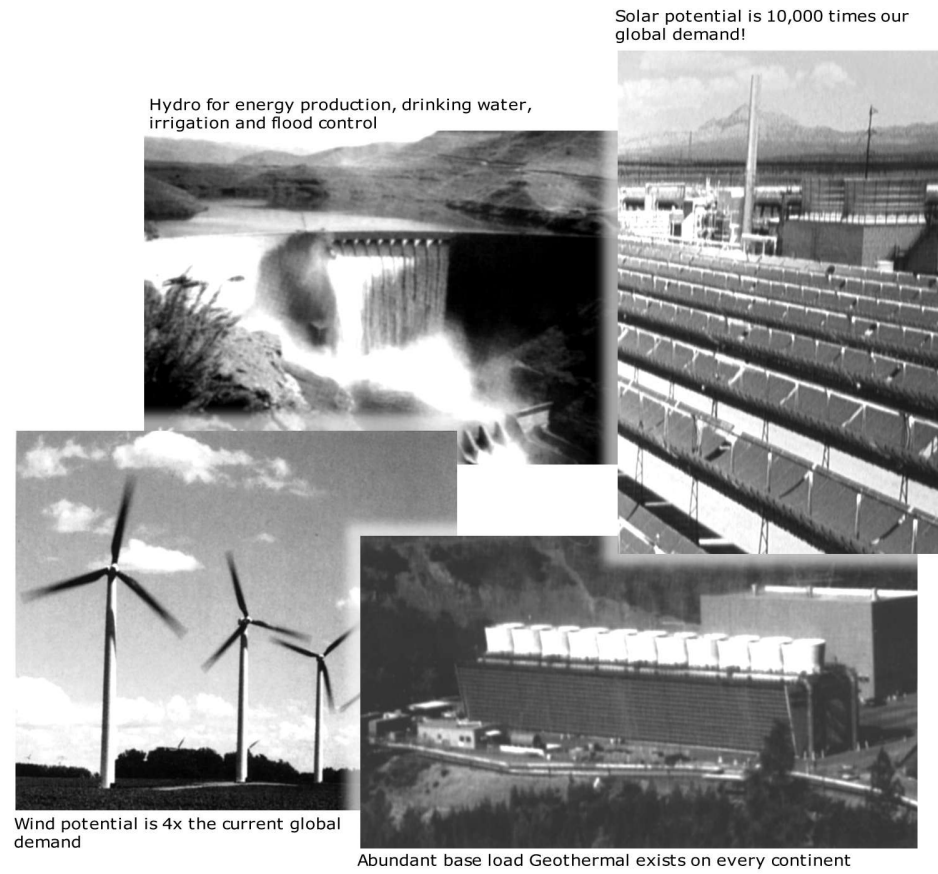
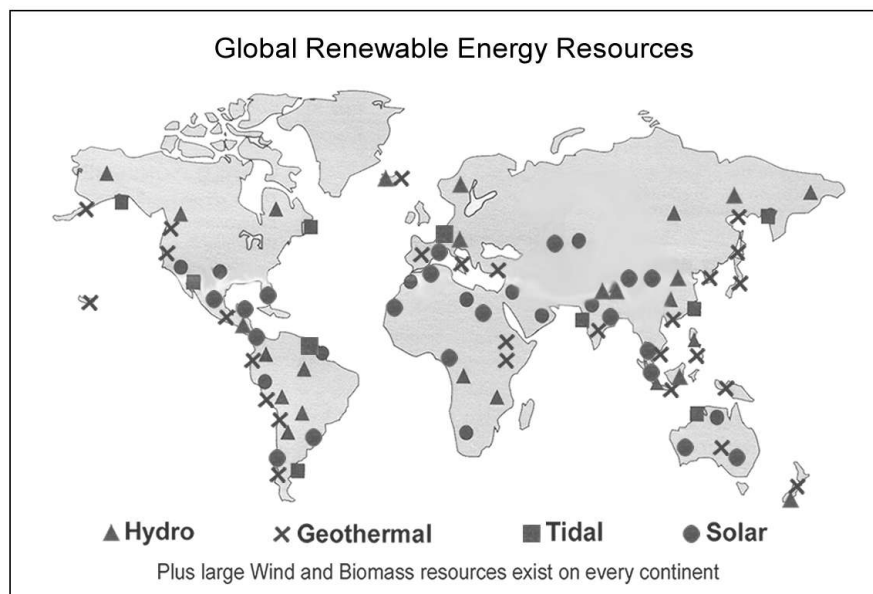
UNEP's Topfer, "there are no technical, financial or economic reasons why the nations of the world cannot enjoy the benefits of a high level of energy services and a better environment. It is simple a matter of making the right choices."



The demand for energy varies over a 24 hour day. Some renewables can provide the continuous baseload requirement, while intermittent resources are best suited for peak loads. Interconnected grids enable bulk renewable energy transfer from regions of production to our cities and industry.

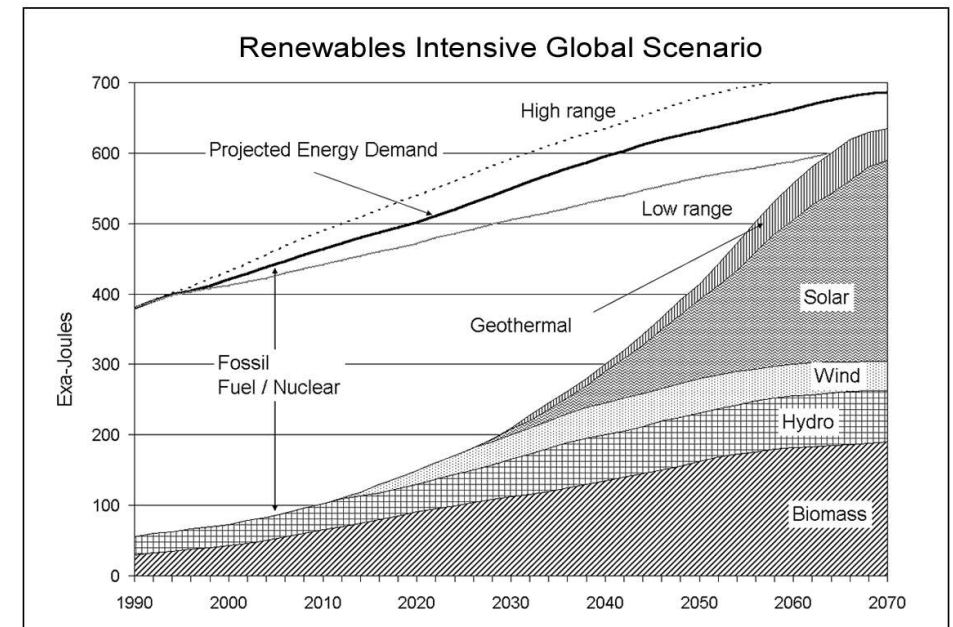
"Shell's long range planning unit has offered one future scenario where 50% of the world's energy needs could be met by renewables by 2050. Windpower is already a \$2.3 billion industry. By 2010 the global solar market could be worth \$230 billion."

U.K. Prime Minister Tony Blair



"I have summarized my discovery of the option of humanity to become omnieconomically and sustainably successful on our planet while phasing out forever all use of fossil fuels and atomic energy generation other than the Sun. I have presented my plan for using our increasing technical ability to construct high-voltage, superconductive transmission lines and implement an around-the-world electrical energy grid integrating the daytime and nighttime hemispheres, thus swiftly increasing the operating capacity of the world's electrical energy system and, concomitantly, living standard in an unprecedented feat of international cooperation."

Cosmosgraphy, 1993, Fuller and Kuromiya



There is a crisis of ignorance



"The critical issues we face have time frames much longer than any political term of office. These problems are interconnected.

We need more comprehensive thinking and long-range global planning. I invite you to investigate the GENI initiative as I have. It offers hope for all humanity."

WALTER CRONKITE
Former CBS News Journalist

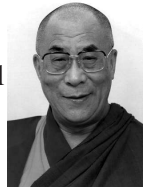


"We must see the problem as a whole. We must understand and explain to all other men on our planet that the interconnection

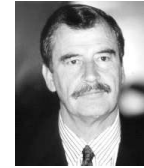
between power systems of different countries is one of the important tasks for all humanity."

VICTOR YERSHEVICH
Director of Science, Energoset Project

"The Global Energy Network Institute plans to undertake various regional projects that will benefit humanity and the planet. I fully support this initiative."



HIS HOLINESS THE DALAI LAMA



"We are absolutely in agreement with this initiative and we want to let you know that we will be supporting all work that you develop in this relation."

VICENTE FOX, President of

Why stay on the path of pollution when the road to renewables is so clear?

CONTRIBUTE & CONTACT

WHAT CAN YOU DO?

Global and local activities are needed to accelerate the attainment of the GENI Initiative. Your participation can take many forms. Please contact the GENI office for more information on any of the following opportunities.

CONTRIBUTE YOUR MONEY

Make a pledge to help bring this vision into reality. We need monthly donors!

You can contribute cash, stocks, real estate, put GENI in your will or create a charitable remainder trust.

GENI has the following project funding requirements:

- The GENI Computer Model – \$1.6 million
- Film/Documentary "The Powerful Planet" – \$325,000
- World Game at United Nations – \$100,000

GENI is a 501(c)(3) non profit organization. Your contribution is tax-deductible in the United States.

CONTRIBUTE YOUR CONTACTS

We need to reach the key leadership in 200 countries.

Please share this information with your nation's policy-makers, business executives, media and spiritual leaders.

Each of them is looking for new solutions to global problems. Copy this newsletter or send us your referrals.

CONTRIBUTE YOUR TIME OR EXPERTISE

Bringing an idea to the world needs assistance in many ways. You can write to the editor of your favorite magazine or newspaper (we have excellent opinion editorials for you to submit).

Help market our World Wide Web Site <http://www.geni.org> to your favorite news groups and create hot links with related sites.

You could book a presentation on the GRID initiative for your trade association annual meeting or host a fund-raising event in your home.

CONTACT IS EASY

You can write, call, fax, e-mail or cybersurf GENI.

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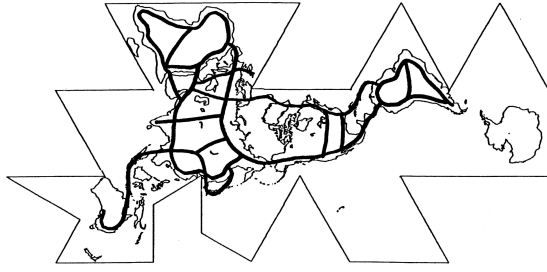
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GENI Mission – to accelerate the attainment of optimal, ecologically sustainable energy solutions in the shortest possible time for the peace, health and prosperity of all. GENI is a tax-exempt 501(c)(3) corporation registered in the State of California.

A compelling global strategy for peace and sustainable development.

T_{wo} decades ago, the late R. Buckminster Fuller proposed interconnecting regional power systems into a single continuous global electrical energy grid. • While this vision is still years away, technological advances have made the linking of international and inter-regional energy networks practicable today. • Transmission lines allow utilities to level the peaks and valleys of demand. This is accomplished between East-West time zones, as well as North-South seasonal variations in demand. • The origin of the energy grid initiative emerged as the highest priority of the World Game.™ Its stated purpose is “to make the world work for 100% of humanity in the shortest possible time through spontaneous cooperation without ecological damage or the disadvantage of anyone.” Research reveals that these major benefits will result from expanding electrical networks. • Increase in everyone’s standard of living • Reduction of fossil fuel demand and the resultant pollution • Relief of the population explosion • Reduction of world hunger • Enhancement of world trade • Promotion of international cooperation and peace • A prime goal of GENI, Global Energy Network Institute, is to educate all people especially world leaders, to the potential benefits of this global solution.

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