

Green Collar Jobs Ohio's Renewable Future Now!!!

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Revised Edition 2.0

Mission Statement

“AIR LIGHT TECH CORP is dedicated to uplifting the quality of life of the national and international society. Creating a sustainable future is a powerful step that we all can make to assure that our descendants inherit this world in similar condition than it was delivered to us. By training men and women that are suffering from barriers to employment in the Green Job Sectors; a stronger economy and abundant energy future will be born. We invite the world to join us....”

PARTNERSHIPS

- It is important that humanitarian and philanthropic organization pair up with corporations to make this new future
- The LEGIONS OF LIGHT FOUNDATION (501 (c)(3)) is a science research and educational entity that has teamed up with SOLAIR ENERGY TECH, and AIR LIGHT TECH CORP
- Partnerships like these will revolutionize the way we experience the world

About The LLF/LLI

- The Legions of Light Foundation/Institute is a 501 (c)(3) NPO founded in 1998
- The LLF is a science research and educational entity with many interests
- Renewable Energy Technology is one of our degrees of interest

About The SET/ALT

- SOLAIR ENERGY TECH (SET) - is a alternative energy technology manufacturer and innovator
- AIR LIGHT TECH CORP (ALT) - a research and development engineering firm specializing in alternative energy and fuels sources

Footprints In The Sky

This work by Dr. R. A. Benson includes:

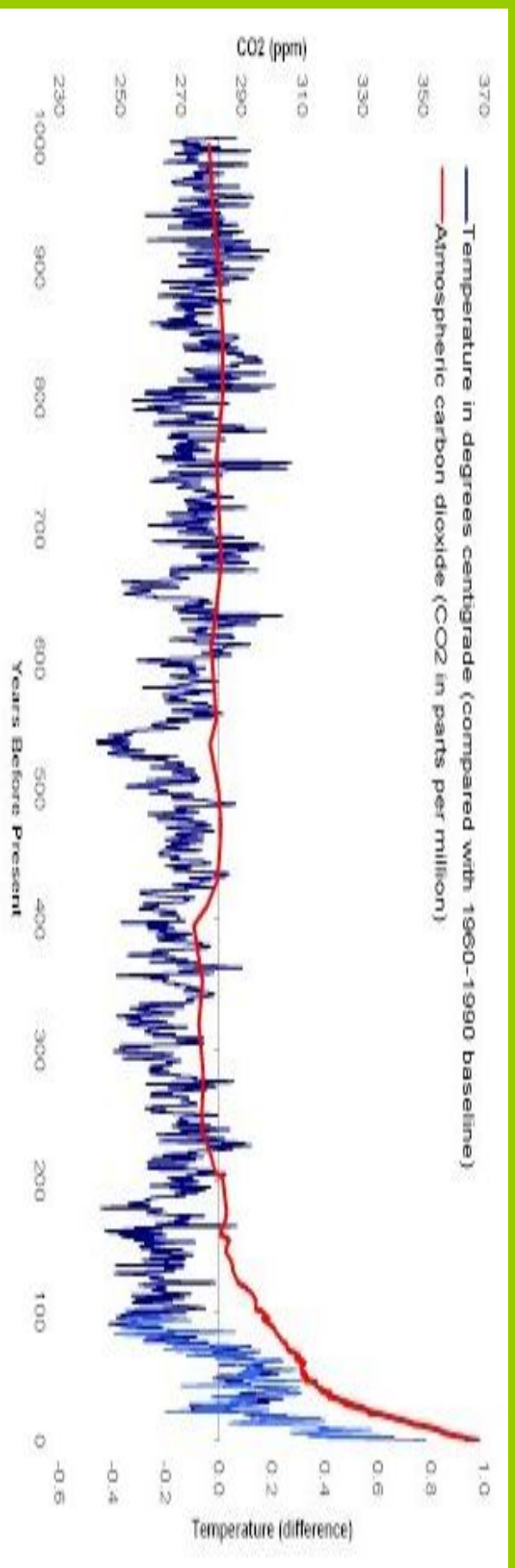
- *Evaluation of the future of industry and fuel in the US*
- *Possible solutions to the pending energy crisis*
- *Detail explanation of alternative fuels*



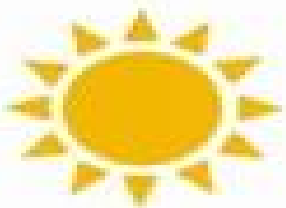
Harsh Realities

- According to the UN each American is responsible for 22 tons of CO₂ each year
- Arctic climate change is creating extreme weather conditions globally
- Virtually all industrial nations are making strides towards a renewable future
- Americans are the grossest violators of the environment by far
- Americans are behind in the race to RE

Climate Change



- The climate has warmed 0.74°C over past 100 years; 0.4°C since 1970
- The IPCC predicts 1.4°C to 5.8°C between 1990-2100
- IPCC is 90% sure that human CO₂ emissions have caused a Greenhouse Effect



Some solar radiation is reflected by the earth and the atmosphere

Some of the infrared radiation passes through the atmosphere, and some is absorbed and re-emitted in all directions by greenhouse gas molecules. The effect of this is to warm the earth's surface and the lower atmosphere.

Solar radiation passes through the clear atmosphere

Most radiation is absorbed by the earth's surface and warms it

Infrared radiation is emitted from the earth's surface

The Consequences

We will leave our
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- Hotter w/ dirtier air
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The Consequences

We will leave our children a world that's:

- Hotter w/ dirtier air & water
- Plagued by more wildfires & droughts
- Victimized by severe floods and other disasters



The Threat of 1°



- 1° change in global temperature can :
- Affect sea levels and rainfall levels
- Melt Arctic ice caps (NASA says 9% is lost per decade)

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- Affect sea levels and rainfall levels
- Melt Arctic ice caps (NASA says 9% is lost per decade)
- Destroy or drastically affect a habitat

What Can Be Done?

The Kyoto Protocol is a legally binding agreement amongst various nations. This agreement:

- Covers more than 170 countries
- Holds the UK to a commitment of 12.5% reduction in CO₂ by 2012 from 1990
- The US and Kazakhstan are the only signatory nations refusing to ratify the act

New Energy Policies

- The 111th Congress Passed H.R. 1 which includes an enhanced energy policy
- This bill offers \$18.5 Billion for RE and Energy Efficiency
- California is arguably the most advanced state with many state and local energy policies
- Ohio state has some strong RE policies, but local governments are behind

OH Senate Bill #221

- Under Sec. 4928.64 by the end of 2024 Ohio will dedicate 12.5% of energy to RE
- Sec. 4928.67 allows net metering for utility customers to sell energy to the utility
- This bill requires utility providers to credit customers with RE systems for energy
- This bill offers incentives for businesses that use RE power systems

Unemployed in OH

- Poverty and unemployment has shattered the job market in Ohio
- Cuyahoga, Lorain, and Franklin counties have been devastated by jobless claims
- People that have education and social/ethnic barriers to employment are at levels more than twice the national rate
- Green Jobs can help bring life back to the job market of Ohio

Cuyahoga County Stats

- The unemployment rate in February 2009 in Cuyahoga County was 7.6% which is 1.1% higher than the national reporting for the national average. Cleveland city proper has an even higher unemployment rate than the county as a whole.

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- 12% (100,000) of adult residents 25+ had no high school diploma
- 25-44 year old college graduates make up 32% of the population
- 16.9% of African-Americans in the county are unemployed (30,000); more than twice the 6.7% unemployment seen in whites
- Latinos have an unemployment rate of 10.4%

Lorain County Stats

- 15% of the population left high school between 9th-12th grades without obtaining a diploma. That is about 1 out of 7 people are high school dropouts.
- 6% of the population have less than a 9th grade education
- African-Americans make up 21% of the population
- Whites make up 65% of the population
- 14% of the population are neither black nor white
- 15% of the population have less than \$10,000 a year household income
- 9% make between \$10,000-14,999/year for the household
- 18% make less than \$25,000/year for the household
- According to Lorain Trends Data the Unemployment is said to be 13.3% compared to the 6.9% national unemployment

Franklin County Stats

- The median working age is 32 years old
- The unemployment rate of 7.9% close to 1.5% higher than the national average
- Nearly 16% of the real estate in Franklin County is vacant
- The average income is \$26,847 annual
- Approximately 47% of the residents rent as oppose to own
- 10% of the population dropped out in high school

Model For Green Job Training

Our objective is to prepare residents with barriers to employment for green jobs by:

- Targeting our Demographic
- Training Displaced Workers
- Forming/Working with Green Business Council
- Internships
- Case Management & Follow-Up
- Pathways to Employment & Educational and Occupational Mobility
- Involving the Community
- Working with Local Governments

Green Job Sectors

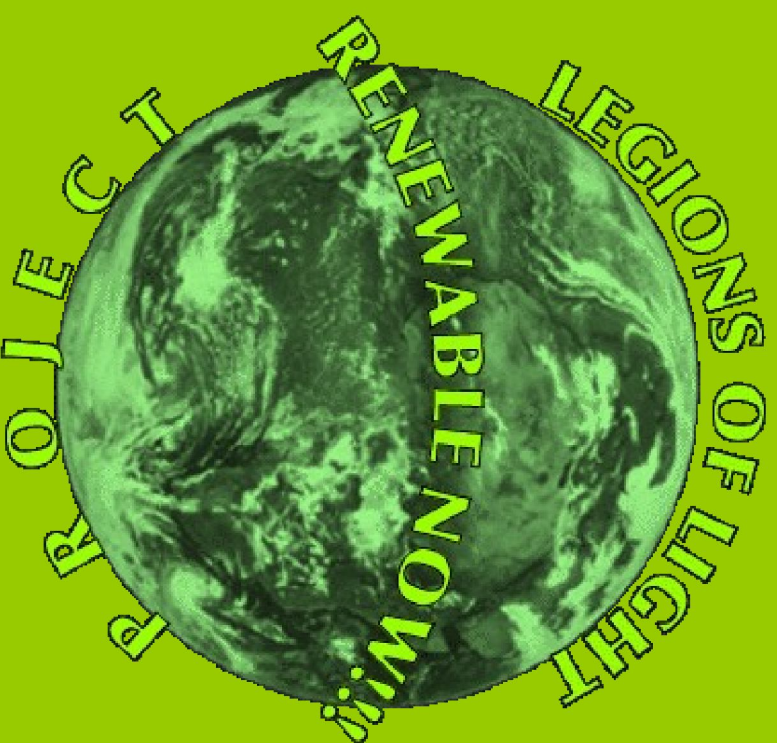
1. Environmental Consultation
2. Auto Mechanic shops that convert vehicles to operate on bio-fuels, vegetable oils, and other alternate fuels
3. Energy retrofits to increase energy efficiency and conservation
4. Food production using organic and/or sustainably grown agricultural products
5. Furniture crafting from environmentally certified and recycled wood
6. Green Building (construction)
7. Large-scale green waste composting
8. Hauling and reuse of demolition and construction materials and debris (C&D)
9. Hazardous material clean-up
10. Green Landscaping
11. Manufacturing jobs related to large-scale production of renewable technologies
12. Materials reuse/producing products made from recycled, non-toxic materials
13. Non-toxic household cleaning in residential and commercial buildings
14. Expansion and maintenance of parks and open spaces
15. Printing with non-toxic inks and recycled paper
16. Public transit jobs
17. Recycling
18. Whole home performance (i.e. HVAC, attic insulation, weatherization, etc.)
19. Water retrofits to increase water efficiency
20. Urban agriculture
21. Renewable Energy System installation and maintenance

Green Job Training Program

- Approximately 3-6 months training for clients
- Initial Assessment
- Basic Literacy Skills
- Oral Presentation
- Soft Skills/Life Skills
- OSHA Training Certification
- Financial Management
- Environmental Education
- Computer Literacy
- Mathematics Illuminated
- Basic Vocational Skills relevant to green job sectors

Renewable Now!!!

The LLF partnership project (Renewable Now Project) with SET and ALT is taking the initiative to usher in the Alternative Energy future today!!!



Renewable Now!!!

- The LLF is taking the initiative to usher in the RE future
- Our RE Catalog is available free online
- This fund raising catalog is available online at:
<http://lulu.com/drra>



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- We are making the green collar jobs movement a priority
- Green jobs will turn the economy around



Creating A New Future Now...



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