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A Modern Dilemma the Status Quo versus a Need to Avert Climatic Disaster The Power of Small Groups: A Call To Action NOW!

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| Item Type | article;article |
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| Download date | 2024-12-07 12:38:13 |
| Link to Item | https://hdl.handle.net/20.500.14394/8186 |

StepItUpBelchertown:

BY Alan Page, Ph.D. Member

A Modern Dilemma the Status Quo versus a
Need to Avert Climatic Disaster
The Power of Small Groups:
A Call To Action NOW!

Based upon:

A new Sustainable living model described in -
“Bio-energy in the Black”: by J. Lehmann

Small group response to failure of big enterprise

- We have watched the global economy fail as large mega enterprises can no longer cope with global issues.
- The time has come for each to assume individual responsibility for much that we have been told was beyond our concern.
- StepItUpBelchertown is a small group with a sustainable agenda and a very limited window for success.
- **OUR MANDATE MAKE BELCHERTOWN SUSTAINABLE AGAIN.**

Current Stressors

An Unsustainable Human Economy has been Built on Fossil Energy with Complete Disregard for Predicted Consequences of these systems:

Sources of Problems:

- CO2 emissions beyond the natural buffer capacity of vegetation, mineral, oceanic resources.
- Human populations beyond the limits of regional support systems
- Global economy based on transport of physical property
- Human expectations of energy slaves
- Business model that encourages belief that there are no consequences from choices

Natural Law Constraints

- When a natural catastrophe occurs “nature” responds in ways that fit the situation.
- Nothing happens that nature can not handle
- Emotion is absent from the “natural” response
- The range of possibilities depend on what follows the event.

Sustainability – What it is and why it matters

- Sustainability is the normal performance of biotic communities within limits placed on an area by the nature of the place.
- Sustainable activity does not degrade the ability of a site to maintain the community in that place. The community that develops after an event may be different from previous resident communities, but may still be a sign of sustainability.
- Sustainability is not one size fits all – rather it is the confluence of all local factors operating within the limits of a place.

A new Paradigm

- “Bio-energy in the Black” by Johannes Lehmann is a paper written in 2007 about a new opportunity to develop a sustainable model for human society.
- We need “Carbon Negative Energy” (CNE) systems NOW!
- Fortunately, bio-energy can come from systems designed around an old model – TERRA PRETA.

Carbon Negative Energy

- Carbon Negative systems produce energy & remove CO₂ for long term storage and are characterized by:
- Energy capture from partial gasification of biological material, leaving ungasifiable carbon as biochar.
- Production and return of biochar to soil that produced the feed stock
- Positive effects of biochar on soil capability to grow biomass – these effects cover many of the major problems that come from our current model of human activity.

Implementation of the new Paradigm

- Acceptance that sustainable solutions are and must be based on local actions.
- Building a base of individual responsibility for life support and maintenance of the ability of the local area to support the people who choose to reside there.
- Using local biology as the basis of life; through the conversion of biowastes into bio-energy and biochar.

Contact:

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