



Bringing a CBR to a Community: What does that do for the Community?

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Among the mountains of documentation describing the Community BioRefinery (CBR), all it can do, what its goals and priorities are, there are numerous references to the fact that a principal goal of the CBR is to “support and benefit the local communities”. But what does that really mean?

And, what is CBR’s focus; CBR’s vision? Simply put, to create networks of economically sustainable Community Bio-Refineries in local communities throughout the U.S. and the world, helping to establish sustainable green communities by providing:

- 1) incredibly nutritious food products;
- 2) green energy through true biofuels and ‘green’ electrical power; and
- 3) bio-products, helping meet the goal of energy independence of local communities and our nation, from foreign oil.

But what exactly is a “biorefinery”, anyway? We have been conditioned to think that a ‘biorefinery’ is a place where ethanol is produced. Hardly. Per the USDA and Department of energy (DOE), a *true* biorefinery is a place where multiple products are recovered and/or created using all of the plant material introduced into it.

Local CBR Projects will produce the highest quality foods and nutraceutical products, including revolutionary new branded food products, and organic aquaculture and vegetables that will available for sale in local markets. CBRs will also produce, *in the same biorefinery*, advanced **true*** biofuels that will be “drop-in-place” clean biofuels that will replace the use of petroleum (diesel fuel, gasoline, avgas, jet) in the local community. ***Note:** A “true” biofuel is one which contains zero petroleum, per USDA and DOE definitions.

A CBR will also produce green electric power that will not only make the facility energy self-sufficient but also serve to sustain the local community, with purified water as a by-product. This accomplishment will make the local community safer and more sustainable through the local production of more safe products that will help reduce the dependency of the community upon these “unsafe” products. These “unsafe” products are usually produced in large centralized manufacturing plants located hundreds or even thousands of miles away (such as oil refineries, nuclear power plants, cereal and food processing plants, and foreign vegetable and seafood operations) that sometimes produce unsafe products. Also, these operations depend heavily upon petroleum to transport their products thousands of miles to the local communities and supper tables.

CBR’s Mission will be accomplished through the vertical integration of the production of much higher value-added foods, nutraceuticals and other products with the production of advanced (Next Generation) biofuels in the same biorefinery. These products will be produced from local feed stocks with such products sold in local markets. CBRs will decentralize the production of these products in the local community to generate economic development (“economic development clusters”) throughout the agriculture sector and in participating local communities. CBRs will offer energy independence to our local communities, as CBRs serve to replace petroleum fuels, from diesel fuel to true biodiesel fuel; gasoline to true bio-gasoline; aviation fuels (avgas) to true bio-avgas; jet fuel to bio-jet fuel, and plastics and biochemicals. Essentially, the local community will have its own “green oil well” and “green power generating plant” that can’t be disrupted.

Finally, each CBR is designed to create 600 well-paying jobs (with full benefits) which can support the raising of families. On top of that, we expect at least as many indirect support-oriented jobs. CBRs will have day care facilities on-site to recuse the pressure of providing for caring for children to allow their parents to take advantage

of these jobs and not have to worry about their children while at work, or, forego a job because young children at home may otherwise prevent one or both parents from working for their local CBR.