***THOR BAILEY***

 **Agriculture Residue Conversion Systems**

PO Box 33 Durham, CA 95938

 530-966-2882 twbgcn@gmail.com

**Agriculture Biomass Management Consultant** with 42 years of diverse experience in green technologies and biomass energy contracts. Blending vision, leadership and technical knowledge I have successfully initiated several companies and non profit organizations and co-ops to assist small businesses. I have developed strong business relationships in the Northern California renewable energy arena, including private and government sectors; participated in numerous renewable energy and agricultural trade shows, conferences, public forums and have served as a board member for various energy companies. Participate as speaker and panelist for biomass conversion, healthy soils and renewable CHP forums / conference throughout California.

***Accomplishments***

* Leading paradigm change for biomass conversion into biochar and soil amendments.
* Speaker and panelist for renewable energy and agricultural conferences for Biofuels.
* Consultant for business development, marketing, management and manufacturing
* Thirty years experience on conventional and organic farming.
* Irrigation, greenhouses and mechanical development of varied systems.
* Renewable energy biofuel crop production (biofuels).
* Organic and biotech tree farming partner
* Agricultural quality control and standards management
* Experienced in non-profit organizations (cooperatives, community organizations).
* Cutting-edge applications expertise in the utilization of farm energy to assist small businesses, both commerce and agricultural
* Proven strategic alliance partner and team builder
* Adept in analyzing and solving complex biomass technology & logistics issues

***Business & Consulting Experience***

**Green Carbon Nexus Inc 2014 - Present**

**Founder / President Business Development**

**Green Carbon Nexus Inc (GCN)** is headquartered in Chico.

GCN Mission: Develop and manage a specialized minimum risk fund for the development of, Sustainable Agriculture Systems producing, Carbon Credits, Biochar and Soil Amendments. GCN is building on the evolving investments and experience by developing a Biomass Mitigation Fund (BMF)

**Applied Biomass Technicians Inc 1998 - Present**

**Founder / President**

Applied Biomass Technicians Inc. (ABT) is headquartered in Northern California. ABT is an integrated project facilitator and personnel management company specializing in sustainable Agriculture. Shareholders & associates have extensive experience in wood CHP plants, fuel supply, ethanol, anaerobic digesters and soil amendments. In 1998 ABT was formed to help UC Davis commercialize their anaerobic digester. ABT specializes in diverse experience and labor force development for in the field operations.

**Non-profit Organization Support**

**California Biochar Association 2016 - 2017**

**Advisor / Coordinator**

CBA’s objectives include: building a California biochar coalition of farm, forestry, pyrolysis technology, business and environmental interests to scale the distributed production and use of pyrolysis conversion into biochar products in a sustainable way; developing economically viable and environmentally sustainable solutions for farmers and forestry.

**Ag Biomass Foundation (ABF) 2003 - 2009**

**Founder / Advisor**

Donations were managed by North Valley Community Foundation (NVCF);

[http://www.nvcf.org/fund/ ag-biomass-foundation/](#_top)

* Mission: *provide education, collaboration & marketing support of consumer benefit regarding use and practical application of biomass conversion systems based on sound agronomics and environmental science.*

**Biomass Processors Association (BPA)** **1990 - 1992**

**Co Founder / Interim Executive Director**

BPA was formed to provide support in resolving issues created by utility restructuring and transition away from Standard 4 utility power sales contracts for .12 kWh into avoid cost at about .05 kWh. The BPA organization was made of 30 members & associates representing primarily Agriculture based feedstock processing equipment dealers, wood fuel producers / transportation and Agroforestry crop developers.

**Woodfuel Processors Association 1982 - 1985**

**Co-founder and President**

Political support to the multiple fuel processors supplying the growing industry needs. Non- profit merged into the California Chapter of National Wood Energy Association (NWEA).

***Non-profit Organizations & Government Collaborations With:***

* + Strategic Energy Innovations (SEI)
* Resource Conservation District (RCD)
* USDA Natural Resource Conservation Service (NRCS)
* USDA Rural Development (RD)
* California Climate Agriculture Network (CalCAN)
* California Food and Agriculture (CDFA)
* California Energy Commission (CEC)
* California Biomass Collaborative (CBC)
* California Air Resource Board (CARB)
* California Department Water Resources (DWR)
* California Farm Bureau (CFB)
	+ Federal, State, County Representatives

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