



American Capital Resources

February 12th, 2014

Via Email To: beth.patrina@state.or.us

**MS. BETH PATRINO
COMMITTEE ADMINISTRATOR
HOUSE COMMITTEE ON AGRICULTURE AND NATURAL RESOURCES
OREGON STATE LEGISLATURE
900 COURT STREET NE, ROOM 347
SALEM, OREGON 97301**

REFERENCE: SB 1578

DEAR MS. PATRINO:

Yesterday I became aware of the above referenced Senate Bill and was provided your contact information by Mr. John Fox, CEO of EletraTherm, Inc. After having just read through those portions concerning the use of Woody Biomass, I wish to express my support for its responsible conversion into renewable energy. I would respectfully suggest language in said Bill regarding both applications of combined heat and power (CHP), as well as Combined Cooling, Heat and Power (CCHP); such commonly referred to as cogeneration and trigeneration, respectively.

Our company's primary focus has been on the conversion of such Woody Biomass into useful renewable energy that does not require its processing into the suitable forms of prior known conversion technologies. This is to say our technology renders unnecessary the costly chipping, grinding, and other fractionalization processes; thereby eliminating the status quo redundant handling and other parasitic energy involved in Woody Biomass conversion to useful renewable energy.

It was by and through our advancement of this technology that I came to meet Mr. John Fox. It was soon after our meeting we coupled our technologies to demonstrate our technologies' viability via exportation of renewable electricity to the SCANA Corporation in South Carolina; such occurring over our 2 year demonstration period commencing September 9, 2010.

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Due to the vast Woody Biomass underutilization illustrated in prescribed burns for hazardous fuels reduction, land filling, air curtain incineration, and other such waste of Woody Biomass as a renewable energy fuel source I would highly encourage the supporting rationale found in SB 1578.

I would also mention that through the use of ElectraTherm's robust and proven technology with our most recently engineered and advanced combustion unit (not classified as a boiler under the Boiler Safety Act and thus does not carry the costly requirements related thereto), SB 1578 has the clear potential to aid in the creation of near countless decentralization bioenergy facility applications that can create a value of huge volumes of at and/or near the source Woody Biomass; such often economically stranded via the sheer absence of viable conversion technologies that I have disclosed to you herein.

These potential bioenergy facilities could provide a multiplicity of positive benefits that include the creation of green sector jobs, environmental solutions, and collective significant volumes of renewable utility grade distributed power generation. I would further note that through the decentralization of such bioenergy facilities significant phantom losses (the difference in what is generated and what is actually delivered to end users of power) could likewise be avoided. Further noteworthy would be the creation of a much more stable power grid obtained via renewable power exportation from an array of rural and remote locations.

Thank you for your time in reviewing my opinions. Please also feel free to contact me should yourself or others desire further discussion or information.

Respectfully Submitted,

American Capital Resources Company



Duane Julian, President

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