EBCI & DEVELOPING RENEWABLE ENERGY
EBCI’s commitment to Energy Development

Resolution 636 (2007) passed by the Tribal Council, establish energy goals for the Tribe.

- Developed “Strategic Energy Plan”
- Identify energy cost savings opportunities for the Tribe.
- Identify renewable energy and energy efficiency alternatives available on the Qualla Boundary
Waste to Energy

- **Thermal Conversion**: *defined as the degradation of carbon based material through the use of an indirect, external source of heat, in an oxygen starved environment*

- The gases and base oils that are extracted during the decomposition process produce clean bio-fuels.

- **Waste Streams that hold value for bio-fuels**
  - Municipal Solid Waste
  - Tires
  - Plastics
THERMAL CONVERSION UNIT

- Feedstock Hopper
- Cooling Tower Gas Cleanup
- Dual Feed Knife Valves
- Upper & Lower Retort Auger Chamber
- Dual Discharge Valves
- Pyrolysis Heating Chamber
- Super Low NOx Burner NOx = <20-PPM
Business Structure

- LLC/Section 17
  - LLC Code
  - Boys Club

- Joint Venture
  - Tribe owns intellectual property DEMD studies
  - Partner owns assets and expertise in process