



INTOENERGY, formerly Emerald Energy, is the pioneer waste-to-energy program developed by Ingenium. It is designed to assist generators who manage certified, non-infectious, and non-hazardous debris/materials in the laboratory and manufacturing process.

Benefits of the INTOENERGY Program:

- A sustainable alternative to landfilling that can help you reach your medical waste reduction goals.
- Waste can be recaptured and converted into energy powering local electrical grids or used as an engineered fuel to power cement kilns.
- Reduced cost (no need for red bags, sharps containers for pipette tips, etc.)
- Reduced liability.
- Extended storage time.
- Waste no longer falls under your Waste Management Plan, which means:
 - Material is no longer inspected.
 - No more tracking documents.
 - Potential reclassification to smaller generator status.
- Monthly/Annual waste reports to show how much waste you've converted to energy.

INTOENERGY Fun Facts:

- Every pound of that waste reduces the need for 1.5 pounds of coal, or 19 cubic feet of natural gas, thus helping to preserve our natural resources.
- An average box weight in the INTOENERGY program is approximately 20 pounds, which can produce over 117-kilowatt hours of electricity.
- The average home in the US uses just over 9,000-kilowatt hours per year, so shipping one box per week would generate 66% of the home's annual electrical energy needs.
- One ton of this waste can replace 1.5 tons of coal.
- One ton of this waste can replace almost 39,000 cubic feet of natural gas.
- INTOENERGY supplies collection boxes and bags made of recycled cardboard and plastic.
- Waste treated by the INTOENERGY process undergoes the functional equivalent of incineration at a fraction of the cost of medical waste incineration, with costs on par with autoclave treatment.
- Nothing left to waste...any solids resulting from the combustion of the waste are used in the production of roadbed material.

Food for Thought:

- Shipping just one box per week can generate over 6000-kilowatt hours of electricity annually. Shipping only two boxes through the INTOENERGY program can power one California home for an entire year!

Ask Yourself:

- How much electricity and thermal energy is my facility throwing into a landfill?
- Is this solution a better way to manage this material?
- Does this meet a sustainability and/or landfill diversion goal?

Let's get started with a pilot test!

Please reach out to our Customer Support Team at customerservice@pureingenium.com for more information on how to get started.

www.pureingenium.com
800-805-6236