

ESP GOALS 2013-2014

ESP GOALS 2014-2015



Eliminating Landfill at Electro-Spec



- Reclaim Scrap Metal
- Reclaim Precious Metals Gold, Silver, Palladium
- Reclaim Plating Sludge (Precious Metals, Cu, Ni, etc.)

Eliminating Landfill at Electro-Spec

- General Trash 38.25 tons
- Electroless Nickel 30.87 tons
- How to eliminate going to landfill ????

Eliminating Landfill at Electro-Spec

- Purdue University Sustainable Manufacturing

PURDUE
UNIVERSITY



Eliminating Landfill at Electro-Spec

□ General Trash sent to Covanta 2013-2014

38.25 tons eliminated

38 tons CO₂

Generated 20,900kWh electricity 22 homes for 1 month

Reduction of 10 tons of coal or 1596 fuel oil

Recycled up to 1900lbs steel

Eliminating Landfill at Electro-Spec

□ Electroless Nickel sent to Covanta 2014-2015

31.0 tons eliminated

31 tons CO₂

Generated 17050kWh electricity 18 homes for 1 month

Reduction of 8 tons of coal or 1302 fuel oil

Eliminating Landfill at Electro-Spec

□ Combination of General Trash/En

69.0 tons eliminated

69 tons CO₂

Generated 37950kWh electricity 40 homes for 1 month

Reduction of 17 tons of coal or 2898 fuel oil

Recycled up to 1900lbs steel

Eliminating Landfill at Electro-Spec

□ Cost Savings

The cost of sending items to Covanta was 3% higher than sending to Landfill.

Saving the Environment



Eliminating Landfill at Electro-Spec

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The cost of sending items to Covanta was 3% higher than sending to Landfill.

Saving the Environment



Eliminating Landfill at Electro-Spec

General Trash/Electroless Nickel

Landfill Free

