

Plant Economics

We must first analyze the MSW produced in your region to give you an accurate estimate on the amount of energy produced by your specific plant.

Based on US MSW we can achieve 776kwh per ton of trash, with less than 25% moisture. Our China partners have lower caloric value, and higher moisture content in their waste. But, we will achieve 45% more electric production than all other technologies available with any similar feedstock. Our team can work with you to help raise the heat value of your MSW to reach the optimum performance achievable.

The investment is controlled by you or your EPC. We provide a detailed list of all equipment needed and all specs associated. This allows you to control your costs. Estimates vary. Average estimates are around \$60 million, with many predicting much less.

Analysis Based On US MSW Composition

Tipping Fees vary State by State and Nation by Nation.

Tipping Fees US avg=\$25 per ton

$\$25 \times 500\text{tpd} = \$12,500 \text{ per day} \times 335 \text{ days} = \$4,187,500 \text{ USD per year}$

Electricity Generation

$776\text{kwh} \times 500 \text{ tpd} = 388,800 \text{ kwh per day} \times .10 \text{ Est PPA} = \$38,880 \text{ USD per day}$

$\$38,880 \times 335 \text{ days} = \$12,998,000 \text{ USD per year}$

Total Revenue

$\$4,187,500 + \$12,998,000 = \$17,185,500 \text{ USD per year}$

Operations and Maintenance = \$2.5 million per year

Total Profit

$\$17,185,500 - \$2,500,000 = \$14,685,500 \text{ USD Profit Per Year}$

For your perusal we have enclosed a 3rd party verification of RST energy output.