

Preliminary Project Questionnaire

Waste Data:

1. What is the basis for the waste (e.g. MSW, medical waste, agricultural waste, etc.)
2. If the waste is MSW, will this include tires? If so what would be the estimated percentage of the waste that is tires.
3. How much waste is available based on an estimated tons per day and/or tons per year
4. What is the expected heating value of the waste (in Btu/lb or kJ/kg)
5. What is the average moisture content of the waste?

Site Data:

1. What is the distance to the nearest electrical distribution lines?
2. What is the distance to the nearest natural gas distribution lines?
3. Are any fuels (e.g. diesel, propane) currently stored on site?
4. What is the space available at the site?
5. How many days per year does the site operate? Is it closed on weekends?

Disposal Cost Data:

1. Is it currently necessary to pay for disposal of the waste, such as a tipping fee? If so what is the cost for disposal (e.g. US\$/ton) for the waste streams (e.g. MSW, tires, etc.)?
2. How much waste is disposed daily (including weekends)?
3. If the waste is currently trucked to a landfill, how far away is the landfill?
4. What is the average capacity of a truck used for hauling waste?
5. What is the cost of trucking used for hauling waste (e.g. \$/ton)?
6. What is the average cost of diesel locally?
7. What is the average annual maintenance costs for the trucks and labor if owned and operated directly?

Energy Requirements:

1. How much electrical capacity is desired (in kW)?
2. How much thermal energy is required in the form of steam (lbs. of steam) or hot water (gallons of water)?
3. Is continuous 24-hour energy desired, or only energy during working hours?