 

 Our Ref. 9800



Program

Waste management and recycling are national problems resolving through the regional municipalities. Our EnergyWasteProgram brought a major growth to the Material Recovery market in the United States – heat, power, recycles and clean environment, and brings about a revolution in sales.

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**eec**'s policy in the EnergyWasteProgram is to be a convincing pioneering engineering advisor, who provides to the users that should be the first to utilize a comprehensive, innovative and highly efficient waste management-power generation technology.

**eec** or its subsidiary, is recommended to be the Portfolio Company―General Contractor―that provides financing, making the engineering design, orders the equipment, supplies and operates together with the regional municipality on the JV-bases for the period of repayment of the credit loan. The equipment and systems are made by an American Consortium whereon **eec** is developer and provider of automatic control system of periphery facilities and cash flow online remote control and authorized dealer for some regions over the world. The EnergyWaste project's plant works under the best conditions for clean combustion of diverse fuels, ranging from high sulfur coals to municipal solid wastes (MSW) and sludge.

MSW is the ideal fuel. Moreover, it is better than free. You don’t have to buy it. People pay you to take it so it has a negative value. The vast majority of MSWs are combustible and the heat converts into electric power with high efficiency.

The plant burns the organic components remaining after separation of MSW generating steam, which is used to drive a turbine in order to produce electric power. This power is produced with less harmful emissions than the conventional fossil-fuel powered energy plants.

The typical amount of net energy that can be produced per ton of municipal waste through a classical technology is about 0.67 MWh of electricity. Thus about e.g. 600 tons per day of MSW will produce at least 20 MW of electrical power through biomass combustion.

(i)  Memorandum of Good Understanding or simply a [Letter Contract](http://www.businessdictionary.com/definition/letter-contract.html?q=Letter%20Contract) is the first document that has to be signed with the Mayor of the city as a first step where the mutuality of interests and obligations is properly framed.

(ii)  Charter of JV Company with the Municipality is the next step, as the Memorandum so stipulates.

$1 million USD per month is the average amount that usually a Municipality currently pays for collection and transport of the MSW in quantity of 130,000 MT annually. After separation the recycles the remaining bio-mass burns out in a unique high-temperature plasma [internal combustion engine](http://dictionary.cambridge.org/define.asp?key=41508&dict=CALD) producing [30 MW output power―220,000 MWh](#bot)\* could be then supplied to 700,000 homes through the regional electricity grid. Annual revenue of $8.8 million is expected in addition to the cash income stream from service of the MSW and from the recyclables.

Such commercial development could provide a technology to meet Clean Air requirements of the model town but in addition to lower energy costs for the regional industry.

A new direction in public-private investment partnership forming constructive, cost effective and environmentally sound alliances between the local country government and private business we epitomize; for the comprehensive management and reduce of municipal & industrial waste and the clean efficient utilization of high sulfur and waste products with non-recyclable spent resources in the generation of industrial power; both process steam and co-generated electricity.

This is a very brief description of our EnergyWaste program addressed to both the municipality administrations, whit impending waste utilization problem and prospective investors who appeal this business and are ready to invest up to 10 percent of its price only.

 [[More information](../news/pps_waste.htm)]

The development of such projects is subject of comprehensive analyses and discussions for cooperation with any municipality and prospective co-investor, who is interested in making this business with us in South-East Europe.



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[\*](#back)   Example: For approximately 500 t/day System:

A line with two combustibles operates with GE turbines x 12 MW [[back](#back)]

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