

**Evaluation of Municipal Solid Waste Conversion Technologies
Prepared for the City and County of Santa Barbara, California
April 4, 2008**

The City and County of Santa Barbara, California, have completed an evaluation of municipal solid waste (MSW) conversion technologies. The evaluation process included adopting goals and evaluation criteria; identifying conversion technology suppliers; issuing a Request for Information (RFI); and applying the evaluation criteria to determine a short-list of companies that are best suited for providing a conversion technology project as an alternative to landfilling MSW at the Tajiguas Landfill. The evaluation process and findings are summarized in the report "Evaluation of Municipal Solid Waste Conversion Technologies" (Alternative Resources, Inc., April 4, 2008)

The evaluation process has established an interest from technology suppliers and project developers in a conversion technology project for Santa Barbara. Eleven responses to the RFI were received, including responses for three anaerobic digestion technologies, seven thermal processing technologies, and one other technology incorporating biological drying and mechanical sorting. Eight of the technologies have been determined to meet the criteria adopted by the City and County, and offer the potential for a technically and economically viable conversion technology project for Santa Barbara (see Table 1). These eight companies are recommended for further consideration should the City and County decide to continue the procurement process with development of a Request for Proposals (RFP).

Based on an evaluation of the information submitted, other publicly available information, and market interest demonstrated by response to the RFI, issuing an RFP for a conversion technology project is reasonable for consideration of alternatives to landfilling MSW at the Tajiguas Landfill. The number of companies included on the recommended shortlist (eight) and the variety of technologies these companies offer should enable a competitive procurement process. Should the City and County decide to proceed with an RFP, it should include a formal request for qualifications as well as technical and price proposals.

Table 1. Recommended Short-List (Unranked - Listed Alphabetically by Type of Technology)
<u>Anaerobic Digestion</u> CA Renewable Technologies - CR&R/Arrow Ecocorp
<u>Thermal Processing</u> AdaptiveNRG (Plasma Gasification) International Environmental Solutions (Pyrolysis) Interstate Waste Technologies (Gasification) Plasco Energy Group (Plasma Gasification) Tajiguas Partners - WTE/Entech (Gasification)
<u>Other Technology</u> Herhof California (Biological Drying/Mechanical Separation/Off-Site Combustion)