



January 31, 2008

**Addendum #4 for RFI ESD,  
Alternative Technology Energy Facility**

The purpose of this addendum is to provide answer questions submitted to the City regarding the RFI.

All other specifications, terms and conditions of this RFI not addressed by this or other formal addenda issued by the City of San Jose are unchanged.

---

Q1: What is the San Jose/Santa Clara Water Pollution Control Plant annual natural gas usage?

A1: This parameter is discussed in the Biomass-To-Energy Study, Section 2.2 - Table 2-2. Additional natural gas usage data from 2006-2007 is available in Addendum 4 Supplemental Information at <http://www.sanjoseca.gov/esd/rfp.asp>.

Q2: Please verify the annual quantity of biosolids and moisture/composition and projections for future years.

A2: This parameter is discussed in the Biomass-To-Energy Study, Section 3.1. Additional biosolids data from 2006-2007 is available in Addendum 4 Supplemental Information at <http://www.sanjoseca.gov/esd/rfp.asp>.

Q3: What are the potential quantities of fats, oils, and grease (FOG) and food waste?

A3: The FOG parameter is discussed in the Biomass-To-Energy Study, Section 3.2 - Table 3-4. Additional grease hauling data from 2006-2007 is available in Addendum 4 Supplemental Information at <http://www.sanjoseca.gov/esd/rfp.asp>.

Potential quantities of food waste are currently only estimated by applying CIWMB waste characterization data to San Jose's waste stream. Using this data for our calculations, there could be almost 15% food in the overall waste stream and over 18% food in the commercial stream based on CA's 2004 study. Assuming an average of 700,000 tons goes to landfill each year from San Jose generators, we can assume 100,000 to 125,000 tons of food waste is going to landfill each year. This does not assume any particular material quality or contamination level is understood from this data. Ten thousand tons of food waste is currently recovered through commercial programs. Other biodegradable material currently being landfilled is not addressed here.

Link to CA 2004 report:

<http://www.ciwmb.ca.gov/Publications/LocalAsst/34004005.pdf>

Q4: Is there any potential for establishing an RFP schedule or process?

A4: If the responses to this RFI justify it, the City would probably begin work on an RFP promptly, with the hope of releasing it late this year. If such action is not justified by the responses, the City plans to address conversion technologies in the Zero Waste Plan to be submitted to Council in December 2008.

Q5: Is there any interest in municipal solid waste (MSW) conversion processes (demonstration or larger)?

A5: Pending completion of the Zero Waste plan, the City does not expect to seriously consider conversion processes for unprocessed MSW. However, conversion processes that address residual materials from MSW processing facilities, including existing MRFs, composting, and curbside facilities, are of interest.

ADDENDUM END