

Alternative Technology Advisory Subcommittee
Los Angeles County Solid Waste Management Committee/
Integrated Waste Management Task Force

Minutes of January 21, 2010

County of Los Angeles
Department of Public Works
Conference Room C
900 South Fremont Avenue
Alhambra, California

SUBCOMMITTEE MEMBERS PRESENT:

Jacques Franco *, Department of Resource Recycling and Recovery (CalRecycle)
Rafael Garcia, Browning-Ferris Industries of California, Inc.
Wayde Hunter, North Valley Coalition
Mike Mohajer, Los Angeles County Integrated Waste Management Task Force
Jeff Yann, Hacienda Heights Improvement Association

SUBCOMMITTEE MEMBERS NOT PRESENT:

Kevin Chen, Southern California Edison
Kay Martin, Bioenergy Producers Association
Mark McDannel, County Sanitation Districts of Los Angeles County
Eugene Sun, City of San Marino Mayor
Eugene Tseng, Eugene Tseng and Associates

SUBCOMMITTEE MEMBERS REPRESENTED BY OTHERS:

Paul Alva, represented by Coby Skye, Los Angeles County Department of Public Works
Alex Helou, represented by Miguel Zermeno, City of Los Angeles, Bureau of Sanitation
John Kaddis, represented by Jose Reynoso, Los Angeles County Department of Public Health

OTHERS PRESENT:

Hillary Gross Moglen*, Cerrell Associates
Angélica SantaMaría, Los Angeles County Department of Public Works
G. Vospher, GES

*designates participants over the telephone

I. CALL TO ORDER

The meeting was called to order at 10:08 a.m.

II. APPROVAL OF MINUTES OF DECEMBER 17, 2009

The minutes for December 17 were approved by the majority of the members present with the exception of Jacques Franco who abstain from voting.

III. RECAP ON CONVERSION TECHNOLOGY EVENTS/MEETINGS

Ms. Mitchell reported on her participation as a presenter on the County's Conversion Technology efforts at the Pacific Biomass Conference held in Sacramento. This conference included representatives of regulatory agencies, industry and some environmental justice groups. During the two day conference there was several discussions on the utilization of biomass to create fuels and products.

Discussion ensued regarding the various regulatory hurdles that these types of facilities face in California to get permitted. Mr. Skye mentioned that there were a couple of articles on the conference bringing awareness to these issues. Mr. Mohajer requested that Ms. Mitchell's presentation be forwarded to all Subcommittee members.

Mr. Skye will be speaking at the upcoming VerdeXchange Green Marketmakers Conference 2010 that will take place on January 25, 2010 in Downtown Los Angeles.

Mr. Franco informed the subcommittee that the City of San Jose had an RFI open for Anaerobic Digestion of Municipal Waste materials, and that the Energy Commission has an upcoming deadline for AB 118 proposals. CalRecycle will be participating in the scoring of the proposals. It is expected that several vendors will respond. Mr. Mohajer asked for a copy of the reports to be provided to the Subcommittee members once they become public.

IV. UPDATE ON PUBLIC OUTREACH CONTRACT

Hillary Gross Moglen of Cerrell Associates provided an update on the Public Outreach Contract. Cerrell is currently working on setting up a meeting with various environmental group representatives. The intent is to provide a forum for Professor William Welch with UC Riverside to make a presentation on his recent study on conversion technologies from around the world and provide an opportunity for

questions and answers. Cerrell has also been assisting staff with preparations as they get ready to present their recommendations on the demonstration project to the Board of Supervisors. Once the board approves the recommendation from staff, then the public outreach by Cerrell will be more focused on the demonstration projects.

V. UPDATE ON PHASE III & IV CONTRACTS

Mr. Skye provided an update regarding the Phase III/IV contracts, and noted that individual and group meetings with Deputies from each of the five supervisorial offices have been held. Staff is briefing supervisor's offices to make sure that they are fully informed on the item and their questions are answered. Comments on the content and how it is presented to the board were received; staff is currently incorporating those changes. Staff anticipates filing the board letter in the next few weeks, and participation from the ATAS at the Board meeting is appreciated.

VI. "CLEAN AND ECONOMICAL ON-SITE WASTE TO ENERGY" PRESENTATION BY KEVIN BUTLER OF POWERHOUSE ENERGY

Mr. Butler provided an overview on Powerhouse Energy Company from its inception to its current day to day operations to future outlook of the company. Powerhouse specializes in Gasification as a form of renewable energy operating with high temperatures but not quite high enough to be considered under the category of plasma arc technology. In the commercial arena Powerhouse at this time can do power generation, hydrogen production and conversion of methane gas, Powerhouse also counts with partners that are working with conversion technology into liquid fuels as a renewable energy. One aspect that makes Powerhouse effective, as presented by Mr. Butler, is that all work is done in-house, from financing, construction and maintenance of modules. The presentation focused on the efficiency of the technology provided by Powerhouse with low emissions and a conversion rate of up to 95%. Powerhouse is currently working on a demonstration site in Carson City Nevada, it is anticipated that after all permits are accepted construction and operation will take 1 year. Discussion ensued with ATAAS members that had questions regarding Powerhouse/Pyromex technology and work in progress.

VII. OPEN DISCUSSION

Mr. Zermeno provided a brief update on City of Los Angeles' Alternative Technology Project. A draft contract is being reviewed at this time for the vendor under the emerging technologies category (CART), and a second meeting with them is being scheduled. Under the commercial technology category, the vendors are being

evaluated, and City staff is waiting on top management to give guidance on how to proceed.

VIII. NEXT MEETING DATE

The next meeting date is tentatively scheduled for February 18, 2010.

IX. ADJOURNMENT

The meeting was adjourned at 11:06 a.m.