

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

Minutes of June 16, 2016 Meeting

County of Los Angeles Department of Public Works
Conference Room B
900 South Fremont Avenue
Alhambra, CA

SUBCOMMITTEE MEMBERS PRESENT:

Timothy Hall, California Department of Resources Recycling and Recovery (CalRecycle)*
Wayde Hunter, North Valley Coalition
Mark McDannel, Sanitation Districts of Los Angeles County
Mike Mohajer, Los Angeles County Integrated Waste Management Task Force
Coby Skye, County of Los Angeles Department of Public Works

SUBCOMMITTEE MEMBERS REPRESENTED BY OTHERS:

Jim Stewart, for Kay Martin, Bioenergy Producers Association

SUBCOMMITTEE MEMBERS NOT PRESENT:

Jacques Franco, UC Davis Policy Institute for Energy, Environment and
the Economy*
Alex Helou, City of Los Angeles
John Kaddis, County of Los Angeles Department of Public Health
Ron Kent, Southern California Gas Company
Rob Sherman, Republic Services, Inc.
Eugene Tseng, University of California, Los Angeles, Solid Waste Program
Jeff Yann, Hacienda Heights Improvement Association

OTHERS PRESENT:

Clark Ajwani, County of Los Angeles Department of Public Works
Mackenzie Domann, County of Los Angeles Department of Public Works
Patrick Holland, County of Los Angeles Department of Public Works
Jason W. Jones, County of Los Angeles Department of Public Works
William Skinner, Hitachi Zosen Inova, U.S.A.

*Designates participants over the telephone

I. CALL TO ORDER

The meeting was called to order at 10:05 a.m.

II. APPROVAL OF THE APRIL 21, 2016 SUBCOMMITTEE MEETING MINUTES

A vote on approval of the April 21, 2016 Meeting Minutes could not be held, due to a lack of quorum.

III. APPROVAL OF THE MAY 19, 2016 SUBCOMMITTEE MEETING MINUTES

A vote on approval of the May 19, 2016 Meeting Minutes could not be held, due to a lack of quorum.

IV. PRESENTATION FROM WILLIAM SKINNER OF HITACHI ZOSEN INOVA, U.S.A., ORGANIC WASTE TO BIOGAS TECHNOLOGY

Mr. William Skinner, West Coast Sales Manager for Hitachi Zosen Inova, U.S.A. (HZI), provided a [PowerPoint presentation](#) on the company's fully integrated organic waste to biogas conversion technology systems. The company has acquired a technology called Kompogas to create biogas from source separated organic waste and/or the organic fraction extracted from municipal solid waste through anaerobic digestion (AD). During his presentation, Mr. Skinner commented that HZI is currently working on a project in San Luis Obispo County, which is expected to be in operation by early 2018 and is expected provide a recycling solution for all organic waste in San Luis Obispo County.

Mr. Coby Skye inquired into what level of contamination HZI was equipped to manage. Mr. Skinner stated the technology could handle up to a ten percent contamination rate.

Mr. Wayde Hunter inquired into what applications the technology's digestate could be used for and how the residual particles are managed. Mr. Skinner informed the Subcommittee the digestate produced would primarily be applied as agricultural reuse, while some of the residual particles are reprocessed through the system, and other materials were landfilled.

Mr. Jim Stewart inquired into what level of financial investment would be required for construction of the system. Mr. Skinner estimated the technology would require a \$16–20 million dollar investment for a project to process around 35,000 tons per year.

V. DISCUSSION ON COUNTY CONVERSION TECHNOLOGY CONFERENCE

Mr. Clark Ajwani provided the Subcommittee with an update on the planning and status of the County hosted Conversion Technology (CT) Conference. The Conference date has been confirmed as Friday, July 29, 2016. Staff has continued with public outreach of the Conference with Save the Date notifications, Calls for Speakers, and Calls for Sponsorship. Among the Conference's confirmed sponsors include the Bioenergy Producers Association, Hitachi Zosen Inova, Anaergia, Inc., and the Air & Waste Management Association.

Mr. Ajwani informed the Subcommittee that the Conference Agenda is near finalized. Four panels have been scheduled for discussion on an array of topics, including, best practices of CTs around the world, environmental findings from CT studies, CTs and sustainability, and legislation pertaining to development of CT projects in California.

Mr. Ajwani reported to the Subcommittee that staff has also received confirmation from most of the preliminarily scheduled speakers. Senator Ricardo Lara, Chair of the State Senate Committee on Appropriations, has been confirmed as the Conference's afternoon keynote speaker, and discussions are underway for Sheila Kuehl, County Supervisor for District 3, to be the morning keynote speaker.

Mr. Patrick Holland advised the Subcommittee that staff is preparing announcement letters inviting State regulatory agencies, including, among others, the Air Resources Board, the South Coast Air Quality Management District, the State Water Resources Control Board, and the California Department of Resources Recycling and Recovery (CalRecycle), to attend and participate in the Conference while encouraging these agencies to disseminate awareness of the event to other interested groups.

VI. UPDATE ON CONVERSION TECHNOLOGY EVENTS/MEETING/OUTREACH ACTIVITIES

Mr. Clark Ajwani provided the Subcommittee with an update on the planning of a tour of a food waste to animal feed facility in Ontario operated by ReGreen Technologies, Inc., which previously presented to the Subcommittee. The previously proposed tour dates were postponed due to scheduling conflicts.

However, new dates are being considered, and staff will poll the Subcommittee for their availability soon.

VII. RECAP ON CONVERSION TECHNOLOGY DEVELOPMENT

Mr. Ajwani provided the Subcommittee with an update on the efforts of the County's CT contractor, Alternative Resources, Inc., to update the database of new and existing CT providers listed on the County's Southern California Conversion Technology [website](#). He reported that ARI also continues to work with the County Sherriff to develop a potential AD project at the Pitchess Detention Center. Staff is working with the contractor on a presentation to provide the County Chief Executive Office for approval. He informed the Subcommittee that the area around the project is also of interest to the Board of Supervisors for potential development.

VIII. PUBLIC COMMENT

Ms. Betsey Landis inquired into the existence of a marketplace in the County for portable CTs. Mr. Skye described a scenario, detailed in the [Comparative Greenhouse Gas Emissions Analysis](#), of how a sampled comparison of 1000 tons per day of residual materials collected at a materials recovery facility (MRF) would be processed at a landfill from how materials would be processed at an integrated CT-MRF facility. The results of the analysis comparison indicated a substantial, as well as encouraging, net reduction in greenhouse gas emissions.

IX. ADJOURNMENT

The meeting adjourned at 10:52 a.m.