

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

**Minutes for May 17, 2018**

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

SUBCOMMITTEE MEMBERS PRESENT:

Patrick Holland, Chair, Los Angeles County Department of Public Works  
Chris Coyle, Republic Services  
Wayde Hunter, North Valley Coalition  
John Kaddis, Los Angeles County Department of Public Health  
Mike Mohajer, Los Angeles County Integrated Waste Management Task Force  
Jim Stewart, BioEnergy Producers Association

SUBCOMMITTEE MEMBERS NOT PRESENT:

Tom Blank, Waste Management  
Jacques Franco, UC Davis Policy Institute for Energy, Environment and the Economy  
Tim Hall, California Department of Resources Recycling and Recovery (CalRecycle)  
Alex Helou, City of Los Angeles  
Ron Kent, Southern California Gas Company  
Ben Lucha, City of Palmdale Department of Public Works  
Mark McDannel, Los Angeles County Sanitation District  
Eugene Tseng, UCLA Solid Waste Program

OTHERS PRESENT:

Tracey Anthony, Alternative Resources Inc. (ARI)  
Karen Bertram, Integrated Energy, LLC  
Daniel Dela Cruz, Los Angeles County Department of Public Health  
Nam Doan, Los Angeles County Department of Public Works  
Carol Oyola, Los Angeles County Department of Public Works  
Margarita Quiroz, Los Angeles County Department of Public Works  
Sam Shammass, Los Angeles County Sanitation District  
Sonia Terry, Private Citizen

## **I. CALL TO ORDER**

Mr. Holland called the meeting to order at 10:15 a.m.

## **II. APPROVAL OF MINUTES FROM APRIL 19, 2018 MEETING**

A motion to approve the Minutes from the April 19, 2018, Subcommittee Meeting was made by Mr. Mohajer and seconded by Mr. Coyle. There were no objections or abstentions. The motion passed unanimously.

## **III. PRESENTATION FROM INTEGRATED ENERGY, LLC**

Ms. Karen Bertram, of Integrated Energy, LLC, gave a presentation regarding the Fort Irwin waste conversion technology report. Ms. Bertram provided the attached [presentation](#) to the Alternative Technology Advisory Subcommittee (ATAS). Ms. Bertram's company, Integrated Energy, developed a pyrolytic thermal conversion system to process municipal solid waste (MSW) and generate electricity at the Fort Irwin army base near Barstow, California. The system was designed to process 80 tons per day of MSW and produce two megawatts of electricity per day. Ms. Bertram stated that the thermal converter produces syngas that can also be used to create fuels.

After two years, the project was decommissioned due to budget concerns and challenges with the developer's lack of experience with conversion technologies. In April 2018, the military released a Request for Proposal (RFP) for a new waste conversion project. Ms. Bertram will continue to update Public Works on the status of any future project.

## **IV. UPDATE ON CONVERSION TECHNOLOGY POLICY AND LEGISLATION**

Mr. Holland stated that CalRecycle released the next set of SB 1383 regulations and there is a section about verification of new technologies for organic waste processing that could be considered as a reduction in landfill disposal. Regulations will continue to be monitored.

Mr. Stewart stated Senate Bill 1440 is moving through the legislature and is being sponsored by the Coalition of Renewable Natural Gas. The legislation deals with the insertion of renewable natural gas into the pipeline and should be monitored. Mr. Mohajer stated the Task Force is monitoring.

## **V. UPDATE ON CONVERSION TECHNOLOGY EVENTS/MEETINGS/ OUTREACH ACTIVITIES**

Mr. Holland made a brief update. Several conferences are coming up, many of which are in May and have been included in the most recent e-newsletter:

- California Resource Recovery Association (CRRA), in July, Oakland, CA
- WASTECON 2018, in August, Nashville, TN

## **VI. UPDATE ON CONVERSION TECHNOLOGY PROJECT DEVELOPMENT**

- Survey Update - Ms. Anthony stated Alternative Resources Inc. (ARI) reviewed the results of the survey circulated earlier this year. The survey received approximately 50 responses. The survey provided positive feedback, including the usefulness of the e-newsletter and the Southern California Conversion website. The Department of Public Works (DPW) is reviewing the memorandum summarizing the results.
- Potential Waste Management Project at the Pitchess Detention Center (PDC) Update - DPW staff and ARI continue to work with staff from Los Angeles County Sheriff's Department to talk about on-site organic waste processing options. In April, ARI continued outreach to technology vendors that provide small scale in-vessel composting technologies to gather information more specific to installation at PDC. Clements Environmental is working on high level overview of the permitting requirements associated with a possible project.
- City of Avalon Pebbly Beach Landfill Update – ARI reviewed project files pertaining to past work conducted for City of Avalon Pebbly Beach Landfill, including conversion technology analysis that was done in September 2012. A project was not initiated and since that time, CR&R Environmental Services has taken over as the City's waste hauler and the operator of the landfill and material recovery facility. City staff has indicated a renewed interest in a potential conversion technology facility. DPW staff and ARI met with a City representative this week and will continue discussions.
- Small Scale Technology List – ARI continues to update the small-scale technology list for on-site waste processing.

## **VII. PUBLIC COMMENTS**

No public comments.

## **VIII. ADJOURNMENT**

The meeting adjourned at 11:10 a.m. The next meeting date is scheduled for Thursday, June 21, 2018, in Conference Room B.