

# MINUTES

## Solano County Local Task Force (LTF) for Integrated Waste Management

Meeting of September 15, 2016

9:00 a.m.

Solano County Administration Center

<b>Member Organization</b>	<b>Representative</b>	<b>Present</b>
CCL Organics	Dave Burnley	
City of Benicia	Sharon Williams	
City of Dixon	Janet Koster	
City of Fairfield	Esther Blanco	X
City of Rio Vista	John Degele	
City of Suisun City	Amanda Dum	X
City of Vacaville	Ivonne Vaughn	
City of Vallejo	Derek Crutchfield	
Concrush	Allen Hochstetler	
County of Solano	Narcisa Untal	X
County of Solano	Marcy Hannum	
County of Solano	David Weiss	X
County of Solano	Colby LaPlace	
Fairfield-Suisun Sewer District	Talyon Sortor	X
Fairfield-Suisun Sewer District	Kevin Cullen	
Pacific Rim Recycling	Steve Moore	
Pacific Rim Recycling	Marissa Moore	
Potrero Hills Landfill	Dave Jappert	
Potrero Hills Landfill	Natalie Hicks	
Recology Dixon	William Payton	
Recology Dixon	Melanie Calabrese	
Recology Hay Road	Danielle Lowther	
Recology Hay Road	Chris Taylor	
Recology Vacaville	Julia Lopez	
Recology Vacaville	Scott Pardini	
Recology Vallejo	Lisa Lefebvre	
Recology Vallejo	Tom Phillips	
Recycling Zone	Dave Ryan	
Recycling Zone	Chris Aschero	
Republic Services - Fairfield	Sandra Gonzalez	X
Republic Services - Fairfield	Jeff Donlevy	X
Republic Services - Benicia	Marie Knutson	X
Republic Services - Benicia	Travis Armstrong	
Rio Vista Sanitation Service	Nicole Impagliazzo	
Sierra Club	Jane Bogner	
Solano Community College	Dwight Calloway	
Solano Community College	Jeff Lehfeldt	
Travis Air Force Base	Jonathan Carlson	
Travis Air Force Base	Milea Franklin	
VALCORE	Ken Hawes	X
VALCORE	Sam Quinoz	X
CalRecycle	Jill Firch	X
CalRecycle	Rachelle Tarver	X

**GUESTS:**

Rachelle Tarver, CalRecycle  
Bruce Quigley, CalRecycle  
Adam St. Clair, CalRecycle  
Tim Brannan, CalRecycle  
Kurt Meyer, Lystek Intl.  
James Dunbar, Lystek Intl.  
Sandy McManah, Lystek Intl.  
Patrick McGyre, Solano EDC  
Jahniah McGill, Solano County LEA  
Joe Scholtes, 95.3 KUIC  
Patrick Nevis, Governor's Office of Business and Economical Development

**1. Call to Order / Introductions**

The meeting was called to order at 9:08 am. Members and guests introduced themselves.

**2. Public Comment**

There were no public comments.

**3. Action Items(s)**

**a. Minutes: July 21, 2016**

The approval of the minutes of July 21, 2016 was continued to the next meeting due to a lack of a quorum.

**b. Nominations: Chair and Vice-Chair**

The nominations for LTF chair and vice-chair were continued to the next meeting due to a lack of a quorum.

LTF members agreed to hear Item No. 4 after item No. 5

**5. Presentation**

**a. Anaerobic Digestion and the Role of Organics Recycling to Achieve CA's 75% Solid Waste Diversion Goal**

Tim Hall, CalRecycle, spoke about AB 341 which set a statewide goal of 75% recycling by 2020. Recycling includes source reduction, recycling, and composting which includes anaerobic digestion (AD). Activities that counted as diversion now count as disposal under the new law. This includes waste energy facilities, alternative daily cover and other beneficial reviews of landfills. Since it is still a disposal-based system the goal is a per capita disposal statewide of 2.7 pounds per person per day. There are also requirements for mandatory commercial recycling as well as requiring local governments to do additional planning, education and outreach to ensure there are programs in place at the local level for commercial recycling.

Five strategies to achieve the 75% goal have been identified. (1) Organics make up approximately 40% of the disposed waste stream. Keeping organics out the landfill is key to achieving the goal. (2) The capacity for recycling and composting has to be increased to reach the 75% goal. The recommendations for expanding the infrastructure focus on permitting and compliance assistance as well as financial incentives. (3) Most of CalRecycle's revenue comes from a per ton disposal fee at landfills. New ways need to be found for state and local funding of sustainable waste management programs. (4) Promoting state procurement of post-consumer recycled content products. (5) Promoting extended producer responsibility.

Other important policy drivers are AB1826 Mandatory Commercial Organics Recycling which requires businesses to recycle their organic waste. SB1383 Short-Lived Climate

Pollutants (dairies and landfills) mandates a 50% reduction in organics disposal by 2020 and a 75% reduction in organics disposal by 2025. AB1613 Greenhouse Gas Reduction Fund which allocates approximately 900 million dollars in cap and trade funding. CalRecycle received 40 million for greenhouse gas reduction fund grants which will include anaerobic digestion and composting infrastructure. There is also a food rescue component and possibly some fiber, plastic and glass grant funds available.

Types of wastes that are appropriate for AD depend on the technology being used. Wet AD systems can take food and some can also take manure. Dry AD systems can take leaves and grass, food waste, manure and paper and cardboard.

Biogas recovered from organic waste can be used to generate biomethane, electricity, and renewable CNG fuel. There are significant reductions in greenhouse gas emissions compared to fossil fuels. In 2015 approximately 150 tons of waste was diverted from landfills and sent to anaerobic digesters.

In 2015 there were nine digesters specifically designed for organic waste with a capacity of 450,000 tons in California. There are plans for seven additional AD facilities which would increase capacity to over 1 million tons. There are six waste water treatment plant (WWTP) digesters that co-digested 15,000 tons of food waste in 2015. Four more WWTP digesters will be coming online soon.

Regarding capital expenses there is approximately \$200 million invested in current infrastructure statewide. The cost for standalone digesters can range from \$3 million to \$50 million. To upgrade waste water treatment plants the cost ranges from \$1.3 million to \$35 million. There are incentive programs offered by CalRecycle and the California Energy Commission.

**b. The Public-Private Partnership Development of an Organic Material Recovery Center to Divert Biosolids from Landfill**

Talyon Sortor, Fairfield-Suisun Sewer District, and Jim Dunbar, Lystek International, spoke about the public-private partnership for the first U.S. based Organic Materials Recovery Center located at the FSSD site in Fairfield.

Fairfield-Suisun's water and wastewater treatment plant was constructed in the late 1970's. The facility has two digesters that were built in the early 1980s. At this time they are only using one. They capture the gas created by the digesters and burn it in engines at the site. They produce about half of their power needs. The plant has long produced a biosolid that has typically been used as daily cover at Potrero Hills Landfill. California regulations are changing and in the future certain types of organic waste will not be allowed in landfills. At this time the ban only applies to food waste, but it is expected that other organic materials, such as biosolids, will also be banned.

With both organizations working together as partners the FSSD plant will continue to produce clean water while the new Organic Material Recovery Center will use Lystek's low-temperature thermal hydrolysis technology to advance waste water treatment. The system will convert biosolids and other organic feedstock into a Class A, Exceptional Quality (EQ) liquid biofertilizer that is rich in organic matter and can be subsurface injected or blended with soils and other organic materials to enhance health and the ability to retain moisture. The product will be marketed and utilized in agriculture and horticulture applications in California.

#### 4. Member Updates

##### David Weiss, County of Solano

The County has five year permit reviews coming up for Vision Recycling, a green waste composting facility, the Potrero Hills Landfill and the Potrero Hills Landfill composting facility.

##### Narcisa Untal, County of Solano

Coastal Cleanup Day is Saturday, September 17<sup>th</sup>. On October 22<sup>nd</sup> there will be another Prescription Take Back Event. The hours have been expanded countywide from 9 am to 3 pm. The CalRecycle used oil conference is coming up in November. Solano County was designated a Recycling Market Development Zone (RMDZ) in 2015. Any manufacturing business that has a particular material that would normally go to the landfill but can be diverted and returned to the marketplace is eligible to receive low interest loans thru the RMDZ program that is administered by CalRecycle. There have been four inquiries so far. Two were ineligible and the others are still being reviewed.

##### Jill Firch, CalRecycle

CalRecycle was pleased that Solano County had been designated as a Recycling Market Development Zone.

#### 6. Adjournment

There being no further business the meeting was adjourned at 10:28 a.m.

The next LTF meeting is scheduled for **Thursday, November 17, 2016, at the Solano County Government Center, 675 Texas St., Fairfield, 6<sup>th</sup> Floor, Conference Room 6004**