

February 14, 2019

TO: Members of the Facility & Plan Review Subcommittee  
Los Angeles County Solid Waste Management Committee/  
Integrated Waste Management Task Force

FROM: Maria Carlson, Staff

**STAFF REPORT**

**FOURTH QUARTER 2018 CONVERSION TECHNOLOGY UPDATES  
AT CHIQUITA CANYON, LANCASTER, AND SUNSHINE CANYON LANDFILL**

The landfill operators at Chiquita Canyon Landfill (CCL), Lancaster Landfill, and Sunshine Canyon Landfill (SCL) provided quarterly updates to the Department of Public Works (DPW) on current or future plans for Conversion Technologies at these landfills and other efforts related to the Conversion Technology.

**WASTE CONNECTIONS INC.**

**Chiquita Canyon Landfill**

Waste Connections, Inc., shared the following updates with respect to the regulation of waste and alternative technologies in California:

- Waste Connections is working with Fulcrum Bioenergy's Sierra Biofuels Plant to convert MSW into low carbon jet and diesel fuel since 2008. Waste Connection supplies annually nearly 100,000 tons of MSW to Fulcrum.
- Currently, Waste Connection is developing a proposal for an alternative conversion technology facility for review by the Los Angeles County with the Department of Public Works (DPW) in accordance with Condition 118 of the Conditional Use Permit (CUP). The technology type and location are still under consideration by Public Works for this proposal.
- Outside of the Los Angeles County, Waste Connection, Inc., worked with Hitachi Zosen Inova for the opening of its first Kompogas facility at Waste Connection's San Luis Obispo facility on November 15, 2018. This facility uses a dry anaerobic digestion process to generate biogas and compost.
  - Initially, taking about 20 loads of green waste per week which amounted to approximately 110 tons.
  - As the facility ramped up operation, it is now taking 59 total loads of green waste and food waste on a weekly basis for about 330 tons per week. This represents about 75% of the green waste/food waste collected by Waste Connections in the San Luis Obispo area.
  - Expected to deliver HZI 100% of its waste demand by the end of January 2019 when the facility is fully functional.
- Waste Connection, Inc also participated in the rulemaking process for the development of regulations implementing California's Short-Lived Climate Pollutants Statute, SB 1383.

- Waste Connection, Inc also provided comments and recommendations to simplify the process by which alternatives to landfilling may be approved under the regulations, and incentivizing investment in such technology.
- Waste Connections is also a member of the California Compost Coalition which supports conversion technologies to make composting efficient.

## **Waste Management**

Waste Management shared the following updates with respect to the development of conversion technology:

### **Lancaster Landfill**

- Waste Management plans to work with Agromin to construct and operate a small volume digester called LARGO. This facility will have a capacity of approximately 5,000 tons per year, and a medium Covered Aerated Static Pile (CASP) compost operation. Waste Management anticipates presenting a project description to the County in the first quarter of 2019. The facility is capable of processing up to 500 tons per day of a combination of food waste and green material at this facility. Total volume received at the site within the parameters established in the most recent Environmental Impact Report (EIR) and CUP.

### **Antelope Valley Public Landfill**

- Waste Management is in a preliminary design phase for a CASP system called the POWR (Palmdale Organic Waste Recycling) Center. This facility is expected to manage upwards of 300 tpd – 500 tpd of a mixture, possibly up to 50/50 food/green. As with LARGO, the center will maintain total volumes within the already established permit limits. Waste Management has been working with the Lahontan Regional Water Quality Control Board to address seismic issues.

### **Sun Valley Recycling Park (SVRP)**

- Waste Management is in the construction phase of this project which will include a 3,000 tpd of MSW transfer station, and a 1,000 tpd Material Recovery Facility that includes 300 tpd – 600 tpd of organics processing capacity. The facility will use equipment to separate food and other organics from non-digestible material collected from commercial and multifamily facilities. The separated organics will be transferred to a digester in Rialto. Initially, the SVRP will provide organics service for the City of L.A. “RecycLA” franchise program. It will have capacity to service other surrounding municipalities, as well.

## **Republic Services**

### **Sunshine Canyon Landfill**

- Republic Services continued their efforts to support regulations and legislation that promote reasonable and cost-effective expansion of renewable energy, including various forms of conversion technologies at SCL. Republic Services is currently working with a variety of coalitions on legislative concepts that will continue to incentivize the use of renewables and expand reasonable and cost-effective conversion technologies. Specifically, the following:
- Republic Services is a member with the Coalition for Renewable Natural Gas (CRNG), as a member, Republic Services is doing the following:
  - Actively supports efforts to include the broadest definition of renewable methane, including sources from gasification.
  - Worked on efforts to include technologies that can utilize diverted organic materials from landfills, as regulated by CalRecycle through SB 1383.
- Republic Services opposed the elimination by CARB of eligibility for vouchers under the Hybrid Vehicle Incentive Program as Republic Services believes this elimination will reduce the incentive for purchases of low NOx refuse vehicles fueled by renewable natural gas.