

ARB Activities – Organics

Biofuels and Bioproducts Workshop

June 6, 2017

Short Lived Climate Pollutant Strategy

- ARB's SLCP Strategy (March 2017)
 - Aligns organic diversion goals and emissions targets with SB 1383 (40% methane reduction from 2013 levels by 2030)
 - Collaborate on permitting of organics infrastructure and developing markets for products
 - Support research to better understand landfill emissions and to ascertain potential benefits from use of products
 - Foster food recovery programs

Organics Infrastructure: Facility Needs



- Many expansions and new facilities needed to handle additional 10 million tons of organics
- A significant number will likely need to be sited in the San Joaquin Valley



Considerations to Building Additional Infrastructure

- Permitting
- Siting
- Cost

Permitting

- Air Districts
 - Ozone, Particulate Matter Standards
 - New Source Review – BACT, Offsets
- Regional Water Boards
 - Statewide General Order for Composting Waste Discharge Requirements – Ponds, Pads, Berms
- CalRecycle regulations on composting & in-vessel digestion
- CDFA – land application



Siting

- Environmental Justice
- CEQA
- Local land use
- Transportation (VMT)

Cost

- Composting facility cost: \$8–15 Million for 100,000 TPY facility
- Total infrastructure investment of \$2–3 Billion to handle 10 M TPY organics in the waste stream



Interagency Waste Work Group

Interagency Waste Work Group (IAWWG)
convened

- Air Resources Board
 - Air Districts
 - CalRecycle
 - State Water Board
 - California Department of Food and Ag
 - California Air Pollution Control Officers Assoc
- ... and growing

IAWWG Potential Solutions

- Permitting and Regulations
 - Permitting Guidance and Emission Factors
 - Composting Suggested Control Measure
 - Anaerobic Digester Suggested Control Measure
 - Addressing Offsets
- Siting
 - Programmatic EIR
 - Siting Visualization Tool
- Economics
 - Greenhouse Gas Reduction Fund
 - Low Carbon Fuel Standard
 - Food waste prevention and rescue grants
 - Healthy Soils Initiative compost incentives

IAWWG Process

- Collecting data to better understand the current environment
- Present data findings, preliminary recommendations and solicit public feedback on best paths forward (Summer 2017)
- Provide siting guidance for project developers based on data and public input
- Environmental Justice and Public Health are key priorities

For more information

ARB's SLCP Webpage

<http://www.arb.ca.gov/cc/shortlived/shortlived.htm>

Text of SB 1383

https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201520160SB1383