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 (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