



Calabasas Landfill Anaerobic Digestion Facility

Calabasas City Council
June 22, 2022

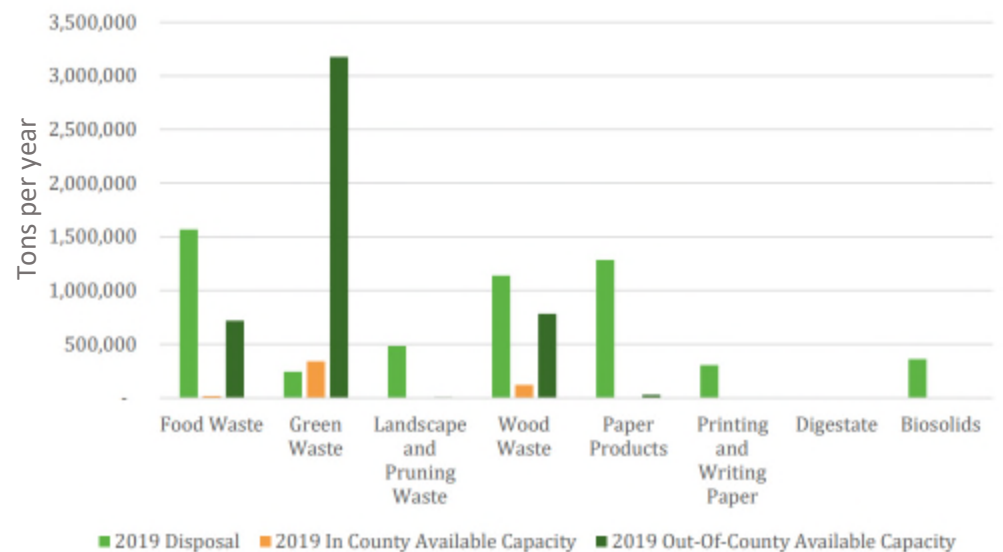
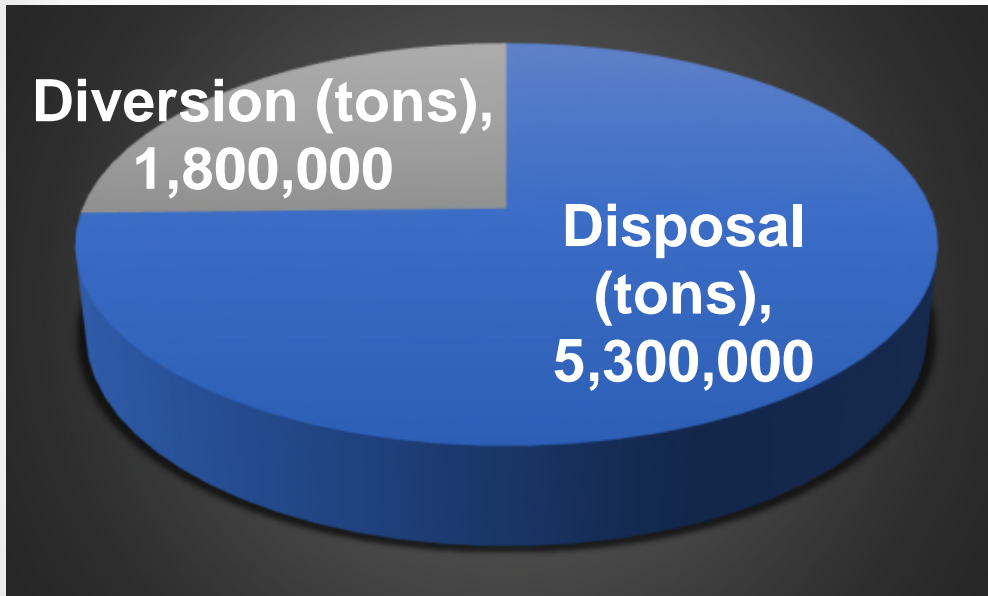
Senate Bill 1383

- SB 1383 established Statewide organic waste landfill disposal reduction targets:
 - 2020 – 50% reduction
 - 2025 – 75% reduction
 - 2025 – recover 20% of edible food for human consumption
- CalRecycle regulations for local jurisdictions adopted in November 2020:
 - Develop mandatory organic waste management programs
 - Ensure sufficient infrastructure to process organic waste
 - \$10,000 per day penalties for non-compliance



Organic Waste Processing Infrastructure

Annual Countywide Organic Waste Composition

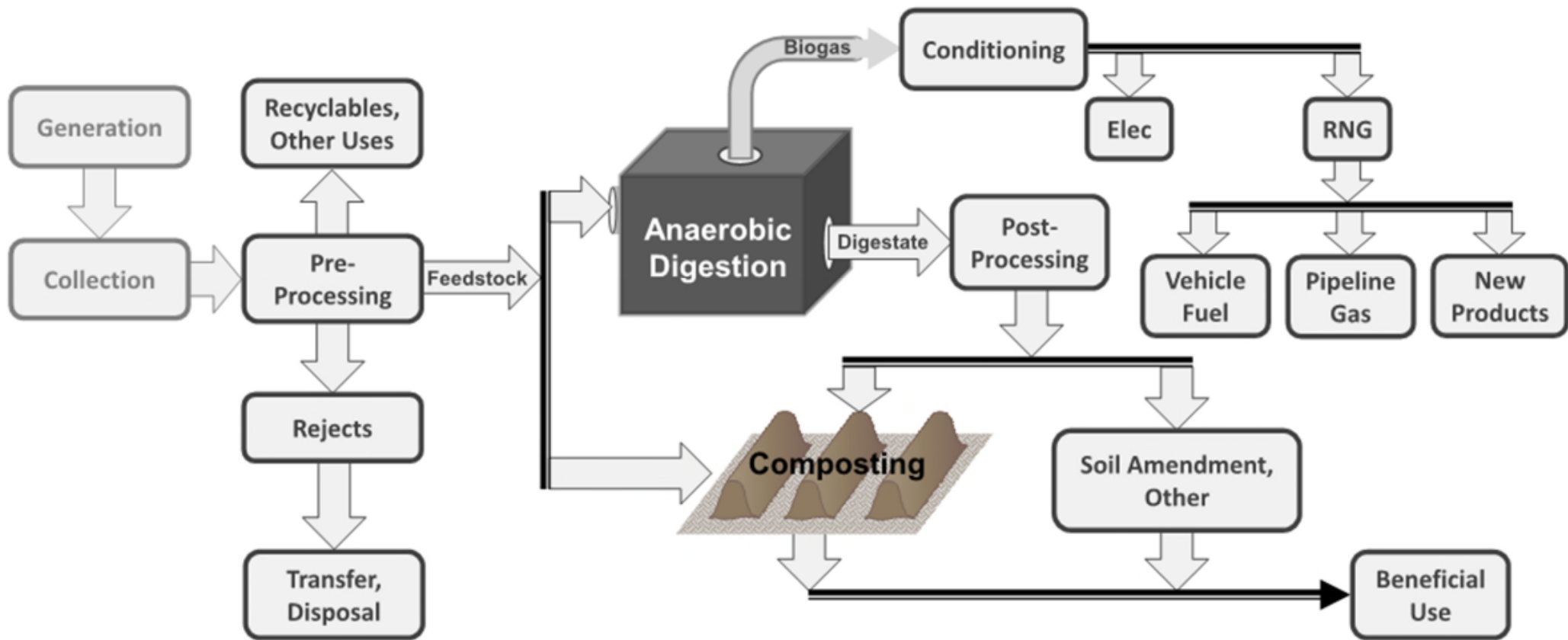


Closing the Infrastructure Gap: Anaerobic Digestion

- Reduction in organic waste landfill disposal
- Reduction in landfill emissions such as methane, a powerful climate pollutant 84 times more powerful than carbon dioxide
- Production of electricity, vehicle fuel, pipeline biomethane, and/or soil amendments
- Reduction in use of fossil-based energy and synthetic fertilizers



Anaerobic Digestion Process



Local Anaerobic Digestion Facilities



LA County Sanitation Districts, Carson, California
(food waste slurry receiving tanks)



CR&R, Perris, California



LA County Sanitation Districts, Carson, California



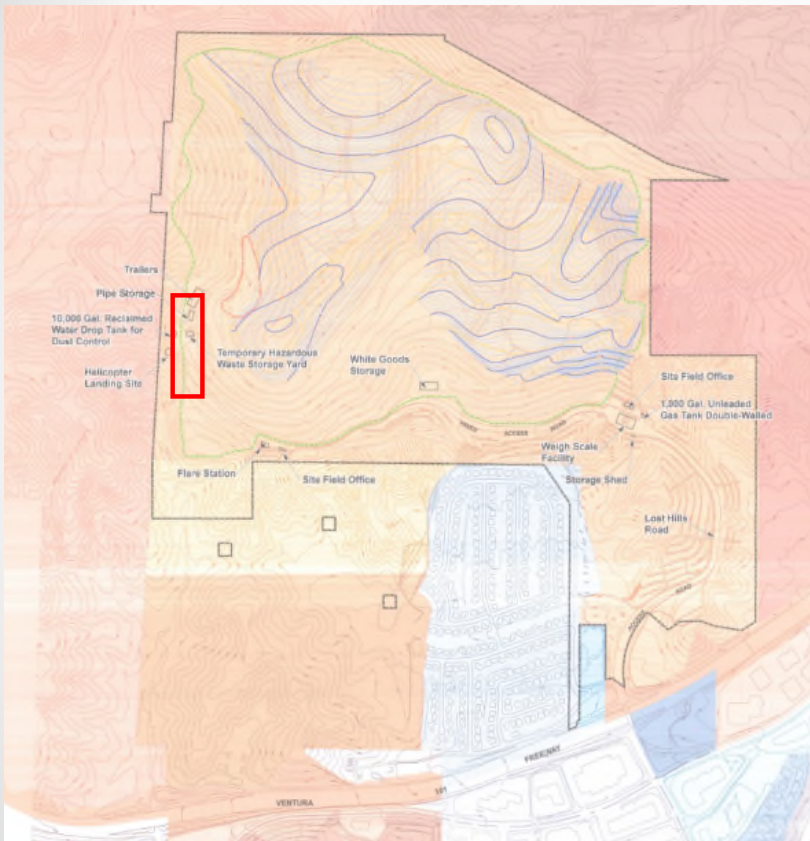
Anaergia, Rialto, California

Enhancing Countywide Solid Waste Management

- In 2021, the Board of Supervisors adopted a motion to address waste management challenges.
- Public Works prepared a report with recommendations to support organic waste infrastructure development:
 - Release Request for Proposals for anaerobic digestion facility at the Calabasas Landfill.
 - Conduct feasibility analyses for government-owned landfill sites and other County-owned properties.
 - Collaborate with other jurisdictions and agencies to analyze additional sites.



Calabasas Landfill Anaerobic Digestion Facility



- Landfill is owned by the County and operated by County Sanitation Districts
- Disposal Tonnages
 - Current = 900 tons per day (tpd)
 - Permitted = 3500 tpd
- Anaerobic Digestion Facility:
 - Developed through public-private partnership
 - Obtain all applicable Federal, State, regional, and local permits

Projected Development Timeline

- June 2022 – Release request for proposals
- December 2022 – Select private developer
- June 2023 – Sign agreements with private developer
- June 2025 – Developer obtains land use and environmental permits
- January 2027 – Developer obtains construction/operating permits and completes construction
- June 2027 – Facility begins operation



Thank You

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