



Proposed Anaerobic Digestion Facility at the Calabasas Landfill

Las Virgenes Homeowners Federation
November 14, 2022

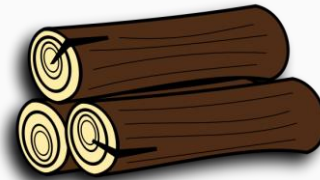
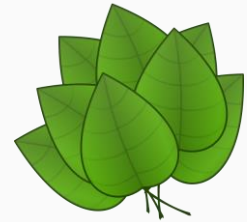
Senate Bill 1383

- 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

- Organic waste disposal = 4.6 million tons per year
- Additional organic waste processing capacity needed = 1.1 million tons per year
- New facilities needed to process:
 - Food waste
 - Green waste
 - Wood waste
 - Paper products
- Estimated capital cost = \$1 billion

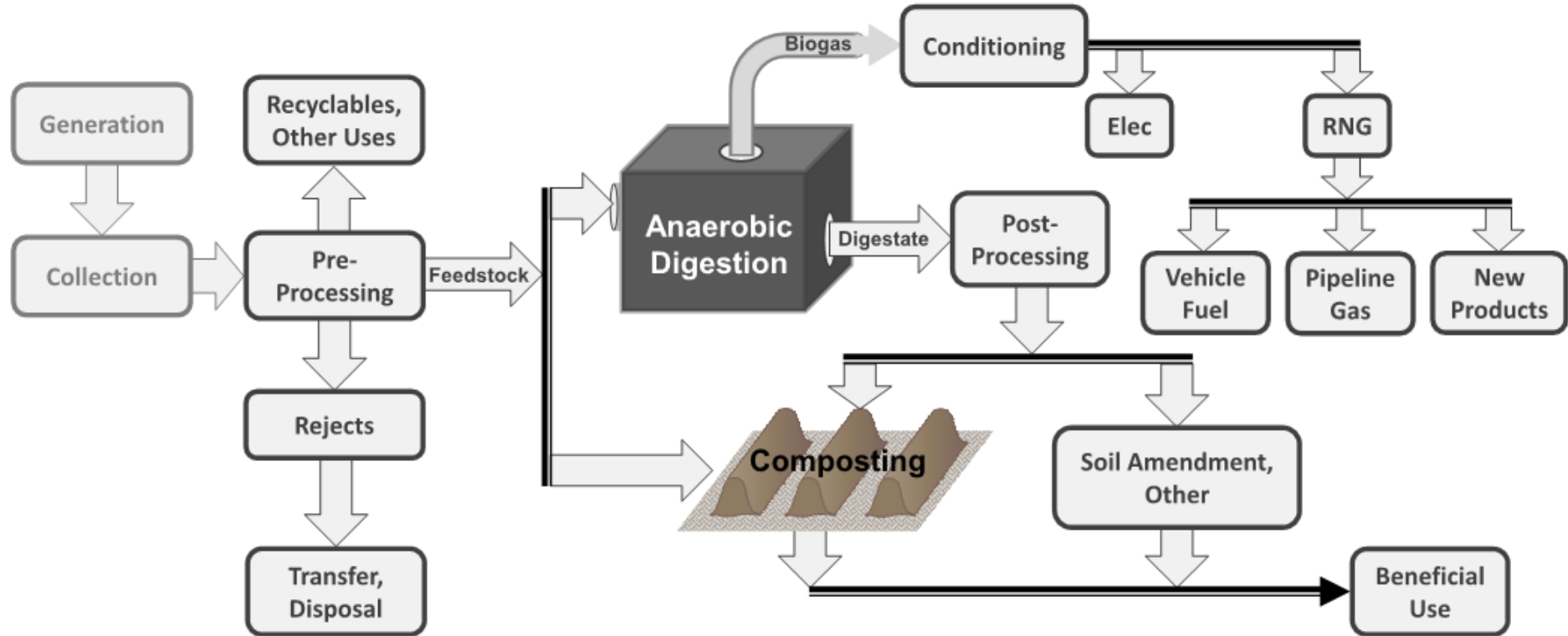


Closing the Infrastructure Gap: Anaerobic Digestion

- 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



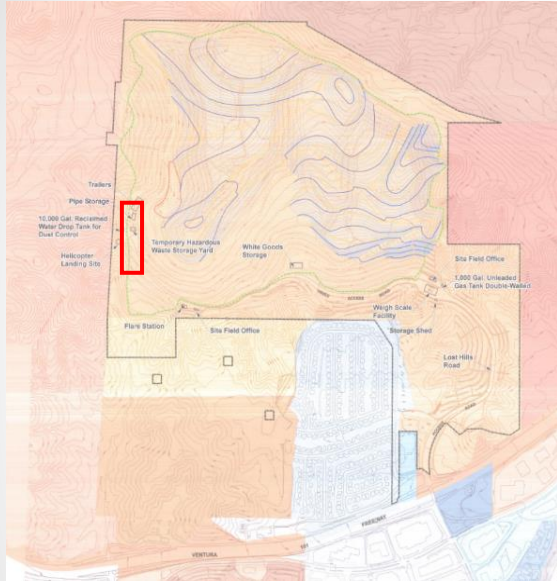
Anaergia, Rialto, California

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.



Proposed Anaerobic Digestion Facility at the Calabazas Landfill



- Owned by the County
- Operated by County Sanitation Districts
- Disposal Tonnages
 - Current = 900 tons per day (tpd)
 - Permitted = 3500 tpd
- Anaerobic Digestion Facility:
 - Public-private partnership
 - Federal, State, regional, and local permits
 - California Environmental Quality Act (CEQA) review
 - Input from Community Advisory Committee (CAC)

Projected Development Timeline

- June 2022 – Release request for proposals
- November 2022 – Select private developer
- December 2022 – Begin negotiations with developer
- December 2024 – Developer conducts CEQA review and obtains permits
- January 2025 – Public Works requests Board of Supervisors approval for project
- January 2027 – Developer obtains construction/operating permits and completes construction
- June 2027 – Facility begins operation



Thank You

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