

ENERGY, CLIMATE CHANGE, AND ENVIRONMENTAL JUSTICE COMMITTEE
REPORT relative to conducting a Life Cycle Assessment (LCA) of the City's current waste management practices to achieve the highest environmental benefit.

Recommendation for Council action, pursuant to Motion (Krekorian - Martinez - Koretz):

INSTRUCT the Bureau of Sanitation (BOS), with assistance from the Chief Legislative Analyst (CLA) to conduct an LCA of the City's current waste management practices, including both an environmental cradle-to-grave and economic cost-benefit analysis of different waste management scenarios in order to determine the configuration that achieves the highest environmental benefit while accounting for City and ratepayer costs.

- a. The study should include, at a minimum, an LCA and corresponding cost-benefit analysis of the following configurations:
 - i. Current waste management practices (baseline), 20-year-out practices as detailed in the 2013 Solid Waste Integrated Management Plan.
 - ii. Multi-stage phase-in configurations towards 100 percent North American zero waste management plan through a combination of strategies including, but not limited to, source-reduction, North American-only recycling, anaerobic digestion, composting, landfilling, and thermal conversion processes such as pyrolysis, gasification, and incineration.
- b. LCA factors taken into account should include but are not limited to greenhouse gas emissions, water use, air and water pollution, toxins production or avoidance, and renewable energy production.

Fiscal Impact Statement: Neither the City Administrative Officer nor the CLA has completed a financial analysis of this report.

Community Impact Statement: None submitted.

SUMMARY

At its regular meeting held on September 3, 2019, the Energy, Climate Change, and Environmental Justice Committee considered Motion (Krekorian - Martinez - Koretz) relative to instructing the BOS, with the assistance from the CLA, to conduct a LCA of the City's current waste management practices, including environmental cradle-to-grave and economic cost-benefit analysis of different waste management scenarios to achieve the highest environmental benefit while accounting for City and ratepayer costs.

After providing an opportunity for public comment, the Committee moved to approve the recommendation contained in the Motion, as detailed above. This matter is now transmitted to the Council for its consideration.

Respectfully Submitted,

ENERGY, CLIMATE CHANGE, AND ENVIRONMENTAL JUSTICE COMMITTEE



<u>MEMBER</u>	<u>VOTE</u>
MARTINEZ:	YES
KORETZ:	YES
KREKORIAN:	YES
CEDILLO:	YES
O'FARRELL:	YES

LC 09/03/19

-NOT OFFICIAL UNTIL COUNCIL ACTS-