

Landfill Criteria Matrix

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Council Working Group

- Resolution 20170323-55 established a working group to “examine waste management and biosolids policy issues and contracts, especially as they relate to organics and recycling.”
- Council Members Pool, Alter, Garza and Kitchen
- Identified specific policy questions that were addressed through four public meetings.

Policy Question

Question:

“Should materials be directed to or away from certain landfills in future solicitations?”

Answer:

“Yes, materials should be directed to or away from certain landfills through the use of a landfill criteria matrix that reflects Councils’ environmental priorities.”

Stakeholder Engagement

- ZWAC consideration of staff-developed matrix
 - November 2017 & January 2018
- ZWAC resolution recommending a public stakeholder process
 - February 2018
- Stakeholder meetings, March – May 2018
 - 60 individuals
 - 13 haulers and landfill operators
 - 6 state, regional or local government agencies
 - 1 university
 - 1 nonprofit
 - 4 engineering or consultant firms
 - 6 ZWAC members

Landfill Criteria Matrix

- Stakeholder meetings resulted in a Landfill Criteria Matrix that focused on 4 specific areas:
 - Carbon Footprint
 - Environmental, Zero Waste and Sustainability
 - Operational Safety
 - Community Impact and Social Equity
- Staff evaluated stakeholder recommendation to ensure criteria were:
 - Specific, measurable, achievable and relevant (SMART)
 - Related to Council working group guidance and City's Strategic Plan
 - Objective and based on publicly available data

Landfill Criteria Matrix – Scoring

- Request for Information
 - Annual scoring by cross-departmental City staff
 - Establish vendors eligible to receive City-controlled waste
 - Vendors within 25 points of the top score will be eligible
 - Score must be submitted less than 1 year prior to a solicitation close date
- Landfills not eligible to receive City-controlled waste
 - Unsatisfactory compliance rating from TCEQ
 - Current enforcement order, court order, consent decree or criminal conviction related to TCEQ or EPA violations
 - Placement on EPA's National Priority List
 - No score submitted less than 1 year prior to a solicitation close date

Type I vs Type IV Landfill Criteria

- Type I Criteria
 - For contracts handling MSW
 - Criteria includes 1a and 1c related to landfill gas (LFG) emissions
 - 100-point scale
 - Only Type I landfills
- Type IV Criteria
 - For contracts handling material acceptable in Type IV landfills
 - Criteria does not include 1a and 1c (Type IV landfills do not report LFG emissions)
 - 80-point scale
 - Type I and Type IV landfills

Carbon Footprint

- Stakeholder Recommendation
 - Estimated landfill gas collection efficiency
 - Onsite use of carbon-free fuel
 - Carbon offsets
- Staff Recommendation
 - Estimated landfill gas emissions
 - Onsite use of carbon-free fuel
 - Landfill gas beneficial use

Environment, Zero Waste and Sustainability

- Stakeholder Recommendation
 - Permit compliance
 - Zero Waste/beneficial waste diversion
 - Existing industrial and hazardous waste
 - Exceeds regulations or permit requirements
- Staff Recommendation
 - Permit compliance
 - Zero Waste/beneficial waste diversion

Operational Safety

- Stakeholder Recommendation
 - Safety practices and record
 - Emergency procedures
 - Efforts to reduce exposure to toxics or other hazards
 - Onsite fatalities or catastrophes
- Staff Recommendation
 - Safety record
 - Onsite facilities or catastrophes

Community Impact and Social Equity

- Stakeholder Recommendation
 - Diversity of workforce
 - Living wage, benefits and labor relations
 - Commitment to community relations
 - Wasteshed
 - City history of opposition to landfill
 - Landfill location demographics
- Staff Recommendation
 - Workforce diversity policy
 - Living wage and benefits

Next Steps

- ZWAC Action - Options:
 - Recommend approval of staff matrix
 - Recommend approval of stakeholder matrix
 - Recommend one of the matrices with changes
 - No action
- Staff Action
 - Request for Council Action - November 15, 2018

Thank you!

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