



Solid Waste Roadmap

Food Scraps Processing Capacity Project: Part 2

Metro Solid Waste Advisory Committee Meeting
July 9, 2014



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Today's Meeting

1. Quick project review.
2. Introduce alternatives analysis process.
3. Introduce and review the alternatives developed to date.
4. Solicit feedback from SWAC members on draft alternatives.

Solid Waste Roadmap: Food Scraps Processing Capacity Project

What actions should Metro take to ensure there is adequate and proximate capacity to transfer and process food scraps collected from the region's businesses and residents?



Project Purpose Statement

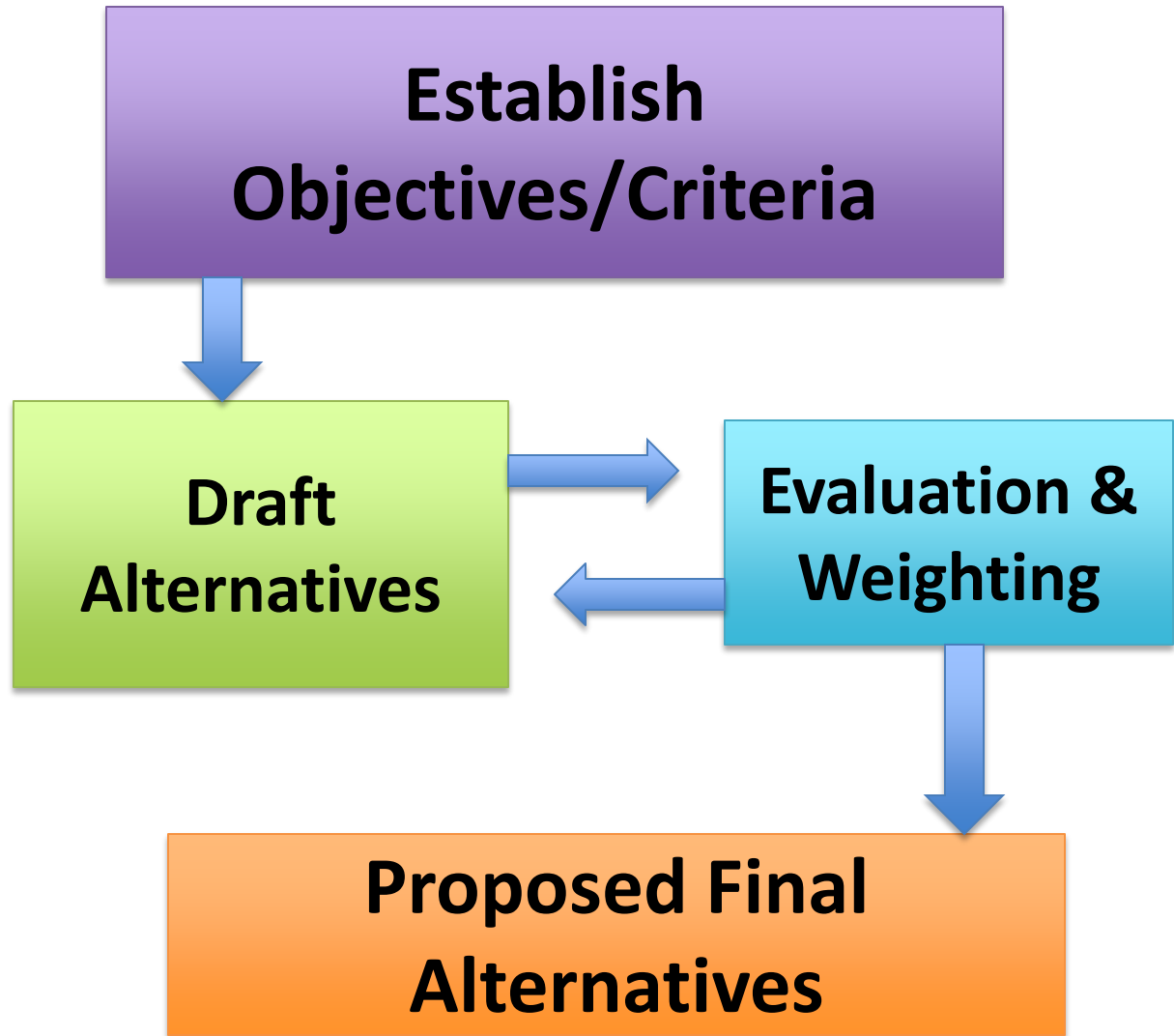
To develop a number of alternatives for increasing food scraps processing capacity that will be provided to Council for consideration.





Alternatives Analysis Steps

- 1. Establish Objectives/Criteria***
- 2. Develop Alternatives***
- 3. Develop Performance Measures/Scales***
- 4. Establish Relative Value Weights**
- 5. Normalize & Calculate Scores**



Step 1: Establish Objectives

Objectives are the fundamental issues that must be met as part of the decision.

In other words: **Criteria**





Objectives/Criteria

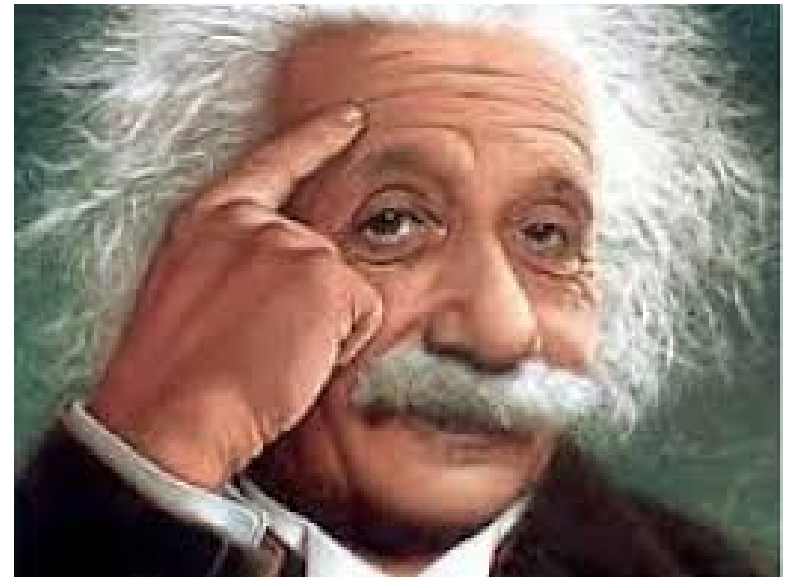
- Protects people's health
- Protects the environment
- Favorable financial implications
- Likelihood of successful implementation
- Degree of adaptability and resiliency of the recommended system
- Integration/community acceptance

Step 2: Develop Preliminary Alternatives

Some caveats.

“The world as we have created it is a process of our thinking. It cannot be changed without changing our thinking.”

-Albert Einstein



Questions so far?





Baseline

- JCBio and PRC take majority of the region's commercial food scraps.
- System elements operate relatively independently according to existing rules and regulations.
- Little capacity for growth within proximate distance.
- Collection programs are voluntary.



Alternative 1

Status Quo

New Metro action: None.

New local jurisdiction action: None.

New private sector action: Market dependent.

- Metro and private sector manage transfer.
- Collection system voluntary.
- Private sector responsible for deciding to develop new processing capacity.
- System remains heavily market-dependent.
- Minimal system coordination & efficiency.



Alternative 2


Food Scraps Disposal Ban

New Metro action: Commercial food scraps disposal ban.

New local jurisdiction action: Coordinate collection as needed.

New private sector action: Develop processing.

- Disposal ban provides some material flow predictability.
- Local governments coordinate collection for affected businesses.
- Metro and private sector manage transfer.
- Private sector develops capacity to manage all of processing.



Alternative 3

Flow Control & Contracting

New Metro action: Disposal ban, flow control, processing contract.

New local jurisdiction action: Coordinate collection as needed.

New private sector action: Provide contracted processing; provide residential transfer and some or all residential processing.

- Metro contracts directly with one or more processor(s).
- Metro requires all commercial food scraps to come to MCS and MSS for at least the duration of processing contract.
- Metro no longer accepts (or limits) residential mixed food scraps and yard debris at its transfer stations.



Alternative 4

Metro builds facility

New Metro action: Disposal ban, flow control, develop processing facility.

New local jurisdiction action: Implement collection programs.

New private sector action: None.

- Metro finances and builds publically-owned processing facility.
- Collection programs required.
- Metro requires all commercial food scraps to come to MCS, MSS or go directly to its processing facility over a long term.



Alternative 5

Wastewater Treatment

New Metro action: Disposal ban, flow control, Intergovernmental Agreement(s) for processing.

New local jurisdiction action: Implement collection programs.

New private sector action: Manage residential transfer & processing.

- Metro enters into Intergovernmental Agreement(s) with wastewater treatment facility(ies).
- Collection programs required.
- All food scraps required to come to MCS, MSS or direct to WWTP over the term of the agreement.
- Residential stream (all aspects) managed by private facilities.



Questions for SWAC

1. Thoughts on each alternative and the identified roles?
2. Additional alternatives or refinements to those presented?
3. Red flags?
4. What would need to change if residential is included?

Next Steps

1. Continue to refine alternatives.
2. Apply criteria and complete remaining analysis steps.
3. Possibly return to SWAC.

