

SECTION 8.0

SCREENING THE OPTIONS IN PHASE I

8.0 SCREENING THE OPTIONS IN PHASE I

8.1 INTRODUCTION

Screening criteria were developed and refined by the Strategic Plan team to measure, compare, and rank the relative merits of the various options developed during Phase I. The screening criteria were used to determine which of the options would be recommended for further evaluation in Phase II.

8.2 SCREENING CRITERIA

Draft screening criteria were presented at the second meeting of the RMAC in January 2008. The RMAC members reviewed the criteria and provided input on areas where the criteria could be refined and clarified. Subsequently, at the third RMAC meeting in February 2008, final criteria were adopted for use in screening options in Phase I. The final screening criteria were used to determine the feasibility of each of the options introduced and discussed in Section 7. Each option was ranked as High, Medium, or Low Feasibility based on the following criteria:

Financial Viability: Options provide financial support for the City's environmental programs, are economically viable for the City of San Diego, and are reasonably competitive with future alternatives.

Technical Viability: Options are technically sound with a proven track record at needed volumes.

Regional Viability: Options and/or technologies that are viable (legal, compliant with regulations, and socially acceptable) in the San Diego region and address local needs. Options should consider existing assets, civic structure, geology, and climate.

Environmental Viability: Options have minimal impact to California Environmental Quality Act (CEQA) and National Environmental Protection Act

(NEPA) environmental parameters and are environmentally beneficial such as providing green energy, renewable fuels, and reduced greenhouse gas emissions.

Capacity Optimization: Options minimize disposal demand and optimize remaining landfill capacity at West Miramar Landfill.

Sustainability: Options provide for the highest and best use of material generated by the City’s residents and businesses.

Each option was evaluated as having a High, Medium or Low feasibility for each of the six screening criteria. The BAS Consultant Team subsequently assigned a numeric score of 5 to High, 3 to Medium, and 1 to Low. The numerical scoring of the options provided a way to rank the option which was useful in comparing the options and selecting a cut-off score to screen out options that had the lowest feasibility.

8.3 RESULTS OF THE SCREENING ANALYSIS

After reviewing over 100 options, the Strategic Plan team is recommending 40 options for further analysis in Phase II: 16 zero waste programs/policies and 24 infrastructure options.

OPTIONS RECOMMENDED FOR PHASE II - ZERO WASTE PROGRAMS AND POLICIES		
No.	Code	Description
1	ZW-SR-2	Implement rigid plastic recycling at curbside.
2	ZW-SR-3	Ban single use polystyrene food containers.
3	ZW-SR-9	Extended Producer/Manufacturer Responsibility.
4	ZW-RU-3	Recycle plastic bags using blue bins.
5	ZW-RY-2	Establish future "MRF First" - MSW to be processed through a MRF if available.
6	ZW-OD-1	Increase greenwaste pickup from bi-weekly to weekly.
7	ZW-OD-2	Create a cost incentive for business participation in a food disards program as markets become available.
8	ZW-OD-4	Establish restaurant food waste collection and composting requirements as markets become available.
9	ZW-SR-5	Provide business tax credits/incentives for certified Green Businesses.

**OPTIONS RECOMMENDED FOR PHASE II - ZERO WASTE
PROGRAMS AND POLICIES**

No.	Code	Description
10	ZW-SR-7	City Procurement Policy - Return usable shipping containers.
11	ZW-RY-7	Establish on-call bulky item pick-up for single, multi-family, and businesses.
12	ZW-ED-1	Develop/promote e-newsletters to schools.
13	ZW-ED-2	Educate Restaurants about source reduction.
14	ZW-ED-5	Establish Re-Create Art Contest and Exhibition for youth.
15	ZW-RY-4	Coordinate large retailer drop-off locations for specific wastes.
16	ZW-OD-9	Allow inclusion of certain residential food waste in the green can (bi-weekly).

OPTIONS RECOMMENDED FOR PHASE II – INFRASTRUCTURE

No.	Code	Description
1	ZWI-1	Household Hazardous Waste Collection Center*
2	ZWI-2	Material Recovery Facilities – Curbside*
3	LO1	Compaction*
4	LO2	Alternative Daily Cover – Tarp-o-matic*
5	DIN1	Miramar Height Increase* (0 miles)
6	DIN2	Sycamore Landfill (8 miles)
7	ZWI-4	Greenwaste Facilities*
8	ZWI-5	Construction & Demolition Facilities
9	CT1	Gasification & Pyrolysis
10	LO3	Landfill Reclamation of North Miramar
11	DIN3	Otay Landfill (20 miles)
12	ZWI-3	Material Recovery Facilities - Commercial
13	ZWI-6	Transfer Facilities
14	ZWI-7	Resource Recovery Parks (RRP) - Industrial
15	ZWI-8	Resource Recovery Parks - Community (Convenience drop-off)
16	CT2	Anaerobic Digestion
17	LO4	Alternative Daily Cover-Computer Aided Earth Moving System
18	DOUT1	El Sobrante Landfill (82 miles)
19	CT3	Hydrolysis
20	CT4	Mechanical Processing (Autoclave)
21	CT5	Chemical Processing (Depolymerization)
22	WTE1	500-tpd Mass-Burn Municipal Waste Combustor
23	DOUT2	Prima Deshecha Landfill (62 miles)
24	DOUT3	Frank R. Bowerman Landfill (78 miles)

* City is already implementing or has piloted.

A detailed discussion and all of the rankings is included in Appendix G - How the Options Were Evaluated and Screened, of this report. In Phase II, the options will not carry forth their ranking from Phase I.

8.4 WHAT HAPPENS IN PHASE II?

Upon completion of Phase I and presentation of the results to the Natural Resource & Cultural Committee; Phase II will be initiated. Phase II will address in detail the medium- to high-feasibility options identified in Phase I.

In Phase II, the BAS Consultant Team, ESD, and the RMAC will complete the following tasks:

1. From the medium- to high-feasibility options identified in Phase I, identify those that are ripe for implementation and which are compatible with the City's financial situation.
2. Perform a detailed evaluation of capital and operational costs, commercial viability, regulatory and policy issues, and technical requirements on those selected options.
3. Prepare preliminary siting and facility plans, if applicable.
4. Evaluate the 2009 solid waste market conditions and financial status of the City and prepare a Financial Plan.
5. Develop a policy and implementation plan for the recommended options.
6. Prepare a final Long-Term Resource Management Strategic Implementation Plan.