

Table List

Table 1. MSW composition in Abu Dhabi.

MSW Component	%
Organic	49
Paper	6
Plastic	12
Wood	8
Metals-aluminum	2
Metals-steel	6
Glass	9
Textile	8

Table 2. MSW constituents assignment to the treatment technologies.

MSW Component	LFGR	Composting	AD	Incarnation	Pyrolysis	MRF
Organic	✓	✓	✓	✓	✓	
Paper	✓	✓	✓	✓	✓	
Plastic	✓			✓	✓	
Wood	✓	✓		✓	✓	
Aluminum						✓
Steel						✓
Glass						✓
Textile	✓			✓	✓	

Table 3: .Payoff table by the lexicographic optimization of the objective functions.

	of_1	of_2	of_3
$max\ of_1$	8.76×10^9	4	1113
$min\ of_2$	0	2.9	2703
$max\ of_3$	0	3.6	5359