

EXHIBIT A-11
ORANGE COUNTY WASTE CHARACTERIZATION STUDY
COMPARISON OF RESIDENTIAL WASTE COMPOSITIONS

Material Components	1995 Composition	2000 Composition	2005 Composition	2010 Composition
Paper				
Newspaper/Print	5.3%	4.8%	4.9%	1.4%
Glossy Magazines	6.1%	4.4%	4.7%	1.7%
Recyclable Corrugated Cardboard	4.5%	4.7%	2.4%	1.8%
Non-Recyclable Cardboard	N/A	1.2%	0.7%	0.3%
Phone Books	N/A	0.3%	0.2%	0.2%
Paperboard	N/A	5.1%	3.6%	2.8%
Other Books	N/A	0.4%	<0.1%	0.3%
White Ledger	N/A	2.0%	1.9%	0.8%
Mixed Office Paper	1.7%	4.5%	3.3%	4.0%
Other Paper (includes hardback books)	24.6%	9.0%	13.1%	9.2%
Total Paper	42.2%	36.5%	34.9%	22.4%
Plastics				
All Plastic Bottles	2.6%	2.9%	2.4%	2.2%
Film	4.3%	5.7%	5.6%	7.9%
All Cups & Tubs	0.7%	2.7%	1.0%	2.6%
All Other Plastic (includes styrofoam)	4.4%	4.6%	5.9%	5.6%
Total Plastics	12.0%	15.9%	14.9%	18.3%
Organics				
Food Waste	11.2%	17.8%	22.2%	20.9%
Textiles/Leather	3.3%	5.4%	5.1%	6.3%
Diapers	3.5%	3.5%	4.4%	5.2%
Other Organics (includes rubber)	8.3%	4.6%	1.3%	4.7%
Total Organics	26.3%	31.3%	33.0%	37.1%
Ferrous Metal				
Food Containers/Bi-Metal	2.7%	1.8%	1.4%	1.1%
Aerosols	N/A	0.4%	0.4%	0.5%
Other Ferrous	2.9%	2.0%	1.3%	2.0%
Total Ferrous Metal	5.6%	4.2%	3.1%	3.5%
Non Ferrous Metal				
Aluminum Cans	0.8%	1.0%	0.7%	0.7%
Aluminum Foil	N/A	0.9%	0.7%	0.7%
Other Non-Ferrous	N/A	0.2%	<0.1%	0.7%
Total Non Ferrous Metal	0.8%	2.1%	1.4%	2.1%
Glass				
All Bottles & Jars	5.8%	4.3%	4.3%	3.4%
Other Glass	0.5%	0.8%	0.2%	0.2%
Total Glass	6.3%	5.1%	4.5%	3.7%
Wood				
Pallets	N/A	0.2%	<0.1%	<0.1%
Lumber	1.9%	1.3%	2.3%	2.8%
Painted/Treated	1.1%	<0.1%	<0.1%	2.7%
Stumps/Heavy Sections	N/A	<0.1%	<0.1%	<0.1%
Total Wood	3.0%	1.5%	2.4%	5.5%
Inert				
Brick, concrete, dirt, asphalt, etc.	2.6%	0.7%	2.2%	3.0%
Yard Waste				
(includes grass, leaves, small branches)	1.0%	0.9%	1.8%	2.6%
Special Waste				
Lead-Acid Batteries	N/A	<0.1%	<0.1%	<0.1%
Dry Cell Batteries	N/A	0.2%	0.2%	<0.1%
Oil Filters	N/A	<0.1%	<0.1%	<0.1%
Other Hazardous Waste	0.3%	0.6%	0.4%	<0.1%
Infectious Waste	<0.1%	NA	<0.1%	0.4%
Reusable Waste	N/A	<0.1%	<0.1%	<0.1%
Total	0.3%	0.9%	0.6%	0.4%
Brown Goods				
Electronic Goods	N/A	0.9%	1.4%	1.4%
TOTALS	100%	100%	100%	100%