

**EXHIBIT 4-1**  
**ORANGE COUNTY WASTE CHARACTERIZATION STUDY - APRIL 2005**  
**COMPARISON OF COMMERCIAL WASTE COMPOSITIONS**

Material Components	1995 Composition	2000 Composition	2005 Composition
<b>Paper</b>			
Newspaper/Print	6.1%	4.7%	3.4%
Glossy Magazines	2.8%	2.5%	2.4%
Recyclable Corrugated Cardboard	10.7%	3.5%	3.1%
Non-Recyclable Cardboard	N/A	1.8%	1.8%
Phone Books	N/A	<0.1%	<0.1%
Paperboard	N/A	3.5%	2.2%
Other Books	N/A	1.9%	<0.1%
White Ledger	N/A	2.6%	4.2%
Mixed Office Paper	3.3%	3.2%	2.8%
Other Paper (includes hardback books)	25.1%	9.5%	13.0%
<b>Total Paper</b>	<b>48.0%</b>	<b>33.5%</b>	<b>33.0%</b>
<b>Plastics</b>			
All Plastic Bottles	2.2%	3.4%	3.4%
Film	4.8%	7.8%	6.0%
All Cups & Tubs	0.8%	2.9%	1.9%
All Other Plastic (includes styrofoam)	6.2%	4.4%	8.8%
<b>Total Plastics</b>	<b>14.0%</b>	<b>18.5%</b>	<b>20.2%</b>
<b>Organics</b>			
Food Waste	12.2%	20.4%	23.7%
Textiles/Leather	2.7%	5.0%	3.5%
Diapers	1.4%	2.1%	1.1%
Other Organics (includes rubber)	4.5%	4.1%	2.4%
<b>Total Organics</b>	<b>20.8%</b>	<b>31.6%</b>	<b>30.7%</b>
<b>Ferrous Metal</b>			
Food Containers/Bi-Metal	1.6%	1.2%	1.7%
Aerosols	N/A	0.5%	0.3%
Other Ferrous	3.2%	1.6%	2.1%
<b>Total Ferrous Metal</b>	<b>4.8%</b>	<b>3.3%</b>	<b>4.1%</b>
<b>Non Ferrous Metal</b>			
Aluminum Cans	0.7%	1.2%	0.7%
Aluminum Foil	N/A	0.8%	1.0%
Other Non-Ferrous	N/A	0.2%	0.5%
<b>Total Non Ferrous Metal</b>	<b>0.7%</b>	<b>2.3%</b>	<b>2.1%</b>
<b>Glass</b>			
All Bottles & Jars	4.0%	3.8%	3.5%
Other Glass	0.4%	0.8%	1.0%
<b>Total Glass</b>	<b>4.4%</b>	<b>4.6%</b>	<b>4.5%</b>
<b>Wood</b>			
Pallets	N/A	0.5%	<0.1%
Lumber	1.6%	1.7%	1.1%
Painted/Treated	1.2%	0.3%	<0.1%
Stumps/Heavy Sections	N/A	<0.1%	<0.1%
<b>Total Wood</b>	<b>2.8%</b>	<b>2.5%</b>	<b>1.1%</b>
<b>Inert</b>			
Brick, concrete, dirt, asphalt, etc.	1.4%	1.5%	1.0%
<b>Yard Waste</b>			
(includes grass, leaves, small branches)	0.8%	1.3%	0.4%
<b>Special Waste</b>			
Lead-Acid Batteries	N/A	<0.1%	<0.1%
Dry Cell Batteries	N/A	0.2%	<0.1%
Oil Filters	N/A	<0.1%	<0.1%
Other Hazardous Waste	1.5%	<0.1%	<0.1%
Infectious Waste	0.7%	NA	1.8%
Reusable Waste	N/A	<0.1%	<0.1%
<b>Total</b>	<b>2.2%</b>	<b>0.3%</b>	<b>2.0%</b>
<b>Brown Goods</b>			
Electronic Goods	N/A	0.6%	1.1%
<b>TOTALS</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>