August 2015

LA County … CIO Office
Managed Print Services Program

Environmental impact of printing less and printing smarter.

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"Green" Category	Environmental Metric as of May 2011 → Our Starting Point
	Trees … LA County consumes an estimated 709.1 million sheets of paper per year which is roughly equivalent to 35,455 trees. **Paper** … At a duplex ratio of only 20%, LA County would reduce paper consumption by 71 million sheets of paper per year, save 3,545 trees and save $400,000 per year. You would eliminate 700,000 lbs of CO_2 from entering the atmosphere each year.
	Electricity … Printers, copiers, fax machines, plotters, scanners, and multi-functional devices use electricity whether they are working or not. The fewer devices LA County operates and the less end users print, the less electricity is consumed. **EnergyStar …** It is estimated that 27% of the fleet is EnergyStar compliant. **Current Cost of electricity** … *13.1 million kilowatt hours* per year which costs *$1.0 million*.
	Plastic and Steel … Printing equipment is made up of processed plastic and steel. The equipment life cycle from processing the plastic and steel for making the machine, through distribution, usage and disposal consumes significant amounts of energy and can contribute to landfill challenges. There are **3.1 million lbs** of processed plastic and steel in LA County fleet.

LA County's Positive Impact on the Environment

Category	May 2011	April 2016 Target	Impact
Trees and Paper	709.1 million sheets of paper per year 35,455 trees	638.2 million sheets of paper per year 31,910	10% reduction 3,545 trees saved
Electricity	27% of the fleet is EnergyStar compliant. Consumes 13.1 million kilowatt hours per year	100% of the fleet is EnergyStar compliant. Consumes 5.5 million kilowatt hours per year	58% reduction in electrical consumption Approximately 700 average homes for a year
Processed Plastic and Steel	43,426 print devices 3.1 million lbs of plastic and steel	19,000 print devices 1.6 million lbs of plastic and steel	56 % reduction in device count. 16% increase in functionality. Weight of 500 average cars