

# BIGGER PICTURE 2011 ENVIRONMENTAL PERFORMANCE



IT'S HOW  
WE CONNECT



# CARBON EMISSIONS AND ENERGY USE

## TOTAL CARBON EMISSIONS

(tonnes carbon emissions equivalent - tCO<sub>2</sub>e)

	2008/09	2009/10	2010/11
SCOPE 1 AND 2 EMISSIONS*	1,287,955	1,439,885	1,414,160
SCOPE 3 EMISSIONS**	227,233	247,892	245,554
TOTAL CARBON EMISSIONS	1,515,188	1,687,777	1,659,714
EMISSIONS INTENSITY (tCO <sub>2</sub> -e/TB)	-	-	1.93

\* Emission sources include: transport, gas consumption, stationary energy, electricity and gas consumption.

\*\*Emission sources include: electricity transmission losses, fuel extraction and refining, air travel, waste disposal.

## CARBON OFFSETS

	2008/09	2009/10	2010/11
TREES COMMITTED TO BE PLANTED	113,739	92,351	85,172
OFFSET ESTIMATES (tCO <sub>2</sub> -e over the life of the tree)	30,482	24,759	22,826

Carbon emissions as a result of Telstra's salary sacrifice vehicles are offset through tree planting by the non-profit organisation Greenfleet.

## ENERGY USE

(GJ)

	2008/09	2009/10	2010/11
<b>STATIONARY ENERGY</b>			
ELECTRICITY	4,525,383	5,220,310	5,106,780
SOLAR ENERGY (GENERATED BY TELSTRA)	-	21,453	26,301
NATURAL GAS	11,721	19,245	17,128
DIESEL	26,586	36,263	44,902
LPG	1,611	374	732
PETROL	-	4,429	3,784
ETHANOL	-	0	2
<b>TRANSPORT FUELS</b>			
DIESEL	525,950	504,111	536,547
PETROL	574,420	126,094	49,127
ETHANOL	-	5,940	526
LPG	203,335	162,213	166,604
<b>TOTAL ENERGY CONSUMPTION</b>	<b>5,869,006</b>	<b>6,100,432</b>	<b>5,952,433</b>

**ENERGY USE BY FUEL TYPE**  
(percentage)

	2008/09	2009/10	2010/11
ELECTRICITY PURCHASED	77.1%	85.6%	85.8%
SOLAR ENERGY (GENERATED BY TELSTRA)	-	0.4%	0.4%
STATIONARY FUEL (EXCLUDING ELECTRICITY AND SOLAR ENERGY)	0.7%	1.0%	1.1%
TRANSPORT FUEL	22.2%	13.1%	12.6%

**AIR TRAVEL**  
(km)

	2008/09	2009/10	2010/11
TOTAL DISTANCE TRAVELLED	105,151,052	62,291,978	63,973,099

## WASTE AND RESOURCE USE

**PAPER USE**  
(tonnes)

	2008/09	2009/10	2010/11
OFFICE, PRINTING AND BILLING PAPER	7,286	5,077	4,271 Office 7.1% Printing 41.8% Billing 51.1%

**WASTE PRODUCTION**

	2008/09	2009/10	2010/11
WASTE TO LANDFILL (TONNES)	11,698	10,453	10,963
WASTE RECYCLED INCLUDING E-WASTE (TONNES)	18,746	11,928	10,403
% RECYCLED	62%	53%	49%
TOTAL WASTE (TONNES)	30,444	22,381	21,366

**WATER CONSUMPTION**  
(kL)

	2008/09	2009/10	2010/11
WATER CONSUMPTION	707,000	848,703	819,869

**MOBILEMUSTER CONTRIBUTION**  
(tonnes)

	2008/09	2009/10	2010/11
MOBILE PHONES & COMPONENTS COLLECTED AT SHOPS, CORPORATE SITES AND REPAIR CENTRES	24.3	18.9	17.1

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*The Bigger Picture* series provides additional, trend and historical performance information for our stakeholders on Telstra's key sustainability issues and to meet the requirements of sustainability reporting guidelines such as the Global Reporting Initiative.



For more information see  
[www.telstra.com.au/sustainability](http://www.telstra.com.au/sustainability)

Reporting covers the July 1 to June 30 financial year for Telstra Corporation Limited including Sensis, a wholly owned Australian based controlled entity. This excludes the following operations that comprise the wider Telstra Group: Telstra International, our controlled entities CSL New World, China search and advertising business, REACH and TelstraClear, and our 50 per cent ownership of Foxtel.

From the 2009/10 financial year onwards environmental data is calculated according to an operational control boundary model to align with our compliance reporting under the Australian Government's National Greenhouse and Energy Reporting Act 2007 (the NGER Act). Prior to 2009/10 environmental data was calculated according to a financial control boundary model.

