

Environmental Savings Summary

Emissions (Pollution) Reduction

Samsung Austin Semiconductor

	Energy Efficiency Projects 7,954,151	annual kWh savings						
	Saved this much Carbon Dioxide (CO ₂) from being emitted:	4,776.2 Metric	o tono	or 10,529,716	noundo	or	5.265 tons	
Air Pollution		 -			•			
	Saved this much Nitrogen Oxides (NOX) from being emitted:	3.329 Metric			pounds	or	3.67 tons	
	Saved this much Sulfur Dioxide (SO ₂) from being emitted:	3.011 Metric	c tons	or 6,638	pounds	or	3.32 tons	
	Saved this much Carbon Monoxide (CO) from being emitted:	2.314 Metric	c tons	or 5,102	pounds	or	2.55 tons	
0.1	Saved this much Total Suspended Particulants (TSP) from being emitted:	0.409 Metric	c tons	or <u>902</u>	pounds			
	Saved this much Volatile Organic Compounds (VOC) from being emitted:	0.115 Metric	c tons	or 253	pounds			
	Total	4,785.4		10,549,950.120			5,274	
ion c	Saved this much Mercury (Hg) from being emitted:	62,758 mg.	(or 0.138	pounds	or	2.21 ounces of Hg	
leta	Saved this much Cadmium (Cd) from being emitted:	2,856 mg.	ď	or 0.006	pounds	or	0.10 ounces of Cd	
S	Saved this much Lead (Pb) from being emitted:	92,881 mg.	d	or 0.205	pounds	or	3.28 ounces of Pb	
	These projects effectively planted 122,702 trees or 6,135 acres of forest in Austin's parks.							
	Or							
	These projects effectively removed	10,723,649 Vehicle Miles or			915.0	915.0 cars from Austin's busy roadways.		
	Or							
	These projects effectively provided electricity to							
. Averaç . 23.2 lb	e of Emissions data: "Delta Emissions", a combined effort of Lauer, Muraya, and ge residence (homes and multi-family) consumption: 11,300 kWh for Austin, a cost Citree or = 0.039 metric ton CO ₂ per urban tree 10 year survival rate. http://www.eptric tons CO2Eq/vehicle/year at 11,720 miles/year. http://www.epa.gov/cleane	ombined effort of Muraya, and w.epa.gov/cleanenergy/ene	and Glen	n Moore (rev.12/20/07 ources/refs.html#vehic				
	Water conservation at generation power plant (evaporation only)	3,579,368 Gallon	ons					
	Water conservation if air conditioning and cooling tower exists	6,221,306 Gallo	ns costi	ing	\$ 60,098	<u>3</u>		

Source of water conservation data: Bill Hoffman City of Austin Water and Waste Water Utility (rev. 06/20/07).