

Pfane

Total kgCO2 Spend /TON	CO2 Footprint Of Recycling PCB Manufacturing Waste PER TON					
*Saving Potential /ton recyclables	Collector	Recycler (broker)	Processor	Incineration	Gasification	Pfane
2014.3	Potential CO2 Savings	Potential CO2 Savings	Potential CO2 Savings	Potential CO2 Savings	Potential CO2 Savings	Potential CO2 Savings
Shipping =<1000km	2014.3	2014.3	2014.3	2014.3	2014.3	2014.3
kgCO2 Cost	Ships From You	Ships From You	Ships To Processor	Ships To Incinerator	Ships To Incinerator	Ships To Pfane
880	880	880	880	880	880	880
Recycling	Ships To Processor	Ships To Processor	Processor Granulates	Incineration Process	Gasification Process	Recycling Process
kgCO2 Cost	880	880	130	1380	180	64
Granulation / Metal separation	Processor Granulates	Processor Granulates	Ships Granules to Refiner	Burn NonMetals	Final Fuel Product 30%	Brick Making
130	130	130	880	770	1560	11
Metal Refining (Cu, Au, Ag)	Ships Granules to Refiner	Ships Granules to Refiner	Refining Process	Landfil Ash	Burn NonMetals	Metal Refining (Using EcoCell)
440	880	880	440	880	770	0
Incineration CO2 Output	Refining Process	Refining Process	Landfill NonMetal 880+770		Landfil Ash	
1380	440	440	1650		880	
Gasification CO2 Output	Landfill NonMetal 880+770	Landfill NonMetal 880+770				
180	1650	1650				
Fuel Burning Output	CARBON FOOTPRINT	CARBON FOOTPRINT	CARBON FOOTPRINT	CARBON FOOTPRINT	CARBON FOOTPRINT	CARBON SAVINGS
1560	-2845.7	-2845.7	-1965.7	-1895.7	-2255.7	1059.3
Fuel Extracted (aprox. 30%)	2.8tons of CO2 Enters	2.8tons of CO2 Enters	1.035 tons of CO2 Enters	1.9tons of CO2 Enters	2.3tons of CO2 Enters	1ton CO2 IS SAVED
Potential For Sand Replacement	The Atmosphere	The Atmosphere	The Atmosphere	The Atmosphere	The Atmosphere	FROM ENTERING OUR
Using Non Metalics	For Every Ton Of Your	For Every Ton Of Your	For Every Ton Of Your	For Every Ton Of Your	For Every Ton Of Your	ATMOSPHERE FOR
770	Manufacturing Waste	Manufacturing Waste	Manufacturing Waste	Manufacturing Waste	Manufacturing Waste	EVERY TON OF PCB /
	Recycled This Way	Recycled This Way	Recycled This Way	Recycled This Way	Recycled This Way	MANUFACTURING WASTE
						TREATED
*Savings Potential Calculated difference between CO2 generated by Recycling Both Raw Materials as opposed to Mining New Materials						