





Chipboard Resource	s vs. Lightw Use	veight boa	rds –	
Exampl	e: 25 mm thick	ness		
Selected items	Chipboard	Lightweight board	Change	
Solid wood	0.343 m <sup>3</sup> /m <sup>3</sup>	0.110 m <sup>3</sup> /m <sup>3</sup>	-68.0%	
Waste paper	0 kg/m <sup>3</sup>	54.8 kg/m <sup>3</sup>	n.a.	
Energy	1,530 MJ/m <sup>3</sup>	666 MJ/m <sup>3</sup>	-56.5%	
Board	1.00 kg	0.43 kg	-57.0%	
Feifel   38 <sup>th</sup> LCA Discussion Forum	Lightweight Boards Forschungszer	peration von	MHOLTZ Forschun MEINSCHAFT in der Hei	gszentrum Karlsru nholtz-Gemeinscha







	,Trend slim'	, Trend gross
roduction of chipboard	- 21 %	- 25 %
Electric energy	- 1 PJ	- 1.3 PJ
Round wood demand	- 22 %	- 27 %
Industrial wood demand	- 10 %	- 12 %
Transports	- 1.5 m tkm	- 1.6 m tkm
CO <sub>2</sub> -Emissions	- 614 900 t	- 750 000 t



