

Environmental Impact Calculator - Samson Carts vs. Plywood Carts

This calculator demonstrates the "Double-Green" effect of replacing plywood carts with Samson Carts on a relocation Project (assumes 1 week rental and 20' per cart Avg.). To use, fill in the registration information and then simply type in the linear feet of materials to be relocated and the number of deliveries (i.e. phases) and your estimated savings report will be emailed to you. This analysis addresses delivery/staging/pickup of equipment.

Step 1 - Enter Project Sales and Project Number of Orders

Enter Summary Information Here	
Estimated Linear Feet per phase:	20
Estimated Project Phases or # of Deliveries:	1
<p align="center">Your Est. Project Rental Is: <input type="text" value="\$37"/> ← Auto Calculated \$35/cart 1 Week</p> <p align="center">Estimated Plywood Project Delivery/Staging/Pickup Costs: <input type="text" value="\$29"/> ← *Assumes \$150/Hr for truck/driver/helper-1.5 Hr.</p>	

Step 2 - Enter a "What-If" Average Order Size

"What-If" Project Samson Cart Rental Size:	<input type="text" value="1"/>	← Automatically Entered From Step 1
"What-If" Project Samson Cart Rental Costs:	<input type="text" value="\$35"/>	← Auto Calculated \$35/cart 1 Week
"What-If" Project Samson Cart Delivery/Staging/Pickup Costs:	<input type="text" value="\$10"/>	*Assumes \$150/Hr for truck/driver/helper-1.5 Hr.
Potential Savings	<input type="text" value="\$22"/>	

Step 3 - Calculator Estimates Carbon Footprint Impact

Diesel Fuel Environmental Impact (Auto Calculated)	
What-if # Samson Cart Rental:	1
Gross Plywood Cart Use Reduction:	1
Total CO ₂ Footprint lbs:	42
Total CO ₂ tonnage Reduction:	0.02

Plywood Environmental Impact (Auto Calculated)	
# of Carts Reduced:	1
Tons of Plywood Reduced:	0.10
Total CO ₂ Footprint lbs:	500
Total CO ₂ tonnage Reduction:	0.25

Total CO₂ Tonnage Reduction: ← This is your overall CO₂ footprint reduction for this project.

Interesting Facts

The volume reduction of CO₂ proposed in this analysis is the equivalent of:

Filling the Washington Monument this many times: *
 Mid-size cars driving 12K highway miles/year *

Step 4 - Calculator Estimates Other Environmental Impacts From Plywood Reduction

Other Environment Impacts From Plywood Reduction (Auto Calculated)		
Wood	0.20	Tons
Total Energy	0.36	Million BTU's
Greenhouse Gas (included in above total tonnage reduction)	0.25	CO ₂ Tons
Hazardous Air Pollutants	2,032	Tons
Wastewater	11	Gallons
Solid Waste	196	lbs

*Source: International Carbon Bank Exchange

** Data Source: Environmental Defense Paper Calculator

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