

WOOD PROJECT GREEN COST ANALYSIS

	Green Product or System	Conventional Product	Additional Cost / (Savings)	Payback Period (yrs.)	Notes
MATERIALS					
	Fly ash Concrete @30%	Higher Cement Content	\$0	5	Reduces waste and global warming Recycled newsprint Recycled denim jeans Standard 10% upcharge Saves lumber Easily renewable resource Source from salvaged barns Livos and OS oils Recycled content Recycled content, clean manufacturing Non-cement product Non-cement product
	Cellulose Insulation	Fiberglass batt insulation	\$0		
	Cotton Insulation	Fiberglass batt insulation	\$500		
	Recycled Content Steel	Non-Recycled Content	\$0		
	FSC Certified Framing Lumber	Non-Certified Lumber	\$1,500		
	Engineered Framing Products	Non-Certified Lumber	\$1,000		
	Bamboo Flooring	Non-Certified Lumber	\$0		
	Recycled Redwood Fencing	Non-Certified Redwood	\$0		
	Natural Oil Cabinet Finishes	Toxic Paints and Finishes			
	Paperstone Countertops	Mined Stone			
	Caesarstone Countertops	Mined Stone			
	Natural Clay Plaster	Cement Plaster	\$0		
	Hydraulic Lime Plaster	Cement Plaster	\$0		
	Bamboo Cabinets	Non-Certified Wood	\$0		
	FSC Certified Cabinet Wood	Non-Certified Wood	\$1,000		
	Recycled Content Glass Tile	Non-Recycled Content Tile	\$0		
	Recycled Decorative Products	New Products	\$0	Fireplace surrounds, found objects, etc.	
ENERGY					
	Solar Photovoltaic (PV) System	No renewable energy	\$32,500	15	5 KWH. System generates electricity *Calif. Energy Commission rebate
	*Rebate For PV System	-	(\$2,000)		
	Natural Lighting	Dark Spaces	\$0	5	Architectural Reduces heat gain and loss Saves energy, increase comfort Lighting designer
	Low E Glass	Clear Glass	\$1,000		
	Radiant Heating	Forced Air Heating	\$0		
	Energy Efficient Lighting?	High Energy Use Lighting	\$0		
POLLUTION					
	No Wood Burning Fireplace	Wood Burning Fireplace	(\$5,000)		No pollutants
IAQ					
	Non-toxic and Low VOC Paints	Toxic Paints and Finishes	\$500		All colors available Cabinet specs Livos and OS oils Intelligent placement of operable windows and doors Non-cement product Non-cement product
	Non Urea-formaldehyde Plywood Glues	Urea-formaldehyde Plywood Glues	\$500		
	Natural Oil Cabinet & Countertop Finishes	Toxic Paints and Finishes			
	Natural Ventilation	Air Conditioning System	(\$10,000)		
	Natural Clay Plaster	Cement Plaster	\$0		
	Hydraulic Lime Plaster	Cement Plaster	\$0		
WATER					
	Water Saving Plumbing Fixtures	High Water Use Fixtures	\$0		Standard Uses less water than toilet Recharges aquifer Landscape Architect
	Urinal	Toilet	\$800		
	Storm Water Retained On-site	Discharge to Public Storm Drain	\$0		
	Drought Tolerant Landscaping	High Water Use Plants	\$0		
TECHNOLOGY					
	Smart Wiring?	Loose wiring	\$1,000		Structured bundles: Cat. 5, coax Locate routers, antennas
	Wireless LAN Preparation	Difficult Retrofit	\$250		
WASTE					
	***Deconstruct Existing Structure	Haul Structures to Landfill	(\$5,000)		Donate materials to Non-profit org. Mandated by City of Menlo Park C&D Ordinance Reduces hauling fees Facilitates daily recycling
	Recycle Demolition Waste	Landfill	\$1,000		
	Construction Site Waste Reduction/recycling	Landfill	(\$1,500)		
	Recycling center in the house	Landfill	\$0		

NOTES

*The California Energy Commission rebates approx. \$.04 per watt for new PV system installations.

**Donating the deconstructed house's materials to a non-profit organization such as The Reuse People generates a tax deduction of roughly \$60,000.