

BILL OF MATERIALS

PART NAME	DESCRIPTION	VENDOR	UNITS	UNIT COST	AMOUNT
Bicycles	2 mountain bike with gears donated to use to create the human powered energy generation stationary bike	Donated	2	\$ -	\$ -
Alternator	Converts mechanical energy into electrical energy	Donated	2	\$ -	\$ -
Wood 2 X 4	To build a wooden frame to fix the back tire of the bicycles and hold them in place	Home Depot	6	\$ 3.85	\$ 23.10
Plywood Sheet	Flat plywood surface to be place under the frame and secured	Home Depot	1	\$ 18.48	\$ 18.48
Prime-Line carriage nuts and bolts	1/4 inch-20 teeth per inch (TPI) measuring 1/4 inch diameter x 1-7/8 inch length.	Home Depot	1	\$ 3.30	\$ 3.30
Metal Rod	Carbon Steed Rod 7/8 inch 6ft long, cold rolled	Grainger	1	\$ 204.49	\$ 204.49
LED Display	Waveshare 7.5 inch display screen	Amazon	2	\$ 50.99	\$ 101.98
TOTAL PARTS:			15	TOTAL COST: \$	351.35

PART NAME	DESCRIPTION	VENDOR	UNITS	UNIT COST	AMOUNT
Bicycles	1 non shifting bike donated to use to create the human powered energy generation stationary bike	Donated	1	\$ -	\$ -
Alternator	Converts mechanical energy into electrical energy	Donated	1	\$ -	\$ -
Drive Belt	72.30 in Serpentine Belt	Donated	1	\$ -	\$ -
Wood 2 X 8	To build a wooden frame to fix the back tire of the bicycles and hold them in place	Donated	4	\$ -	\$ -
Plywood Sheet	Flat plywood surface to be place under the frame and secured	Donated	2	\$ -	\$ -
Prime-Line carriage nuts and bolts	1/4 inch-20 teeth per inch (TPI) measuring 1/4 inch diameter x 1-7/8 inch length.	Donated	10	\$ -	\$ -
LED Light bulb (4.5 Watts)	Attached to the bike to show energy is being generated	Donated	1	\$ -	\$ -
Concord BMX Freestyle Bike Pegs	Alloy bike pegs used to fix bike to the frame stand.	Walmart	1	\$ 10.89	\$ 10.89
7/16" Bolts	Bolts added to fix alternator	Home Depot	1	\$ 11.15	\$ 11.15
TOTAL PARTS:			22	TOTAL COST: \$	22.04

PART NAME	DESCRIPTION	VENDOR	UNITS	UNIT COST	AMOUNT
Pulley System	M25 Stainless Steel Pulley System Kit	Walmart	1	\$ 23.03	\$ 23.03
Solar panel MC4 cables	Multibranch MC4 Evo 2 Connector, Latching PV-AZB4-EVO 2-UR	NAZ Solar Electric	4	\$ 8.47	\$ 33.88
Solar panels racks	IntegraRack IR-30 BallastRack Racking System	NAZ Solar Electric	4	\$ 129.99	\$ 519.96
Batteries	Fullriver Battery DC400-6 Sealed AGM Deep Cycle 6 Volt	NAZ Solar Electric	4	\$ 823.13	\$ 3,292.52
Wood	2in x 4in x 96in Premium Grade KD-HT Stud	Home Depot	8	\$ 3.85	\$ 30.80
Plexiglass	Optix 18in x 24in x 0.093 (3/32) in clear acrylic sheet	Donated	1	\$ -	\$ -
Screws	3 inch phillips bugel head course thread screws	Home Depot	1	\$ 6.97	\$ 6.97
Wood Glue	1-pint WA 30 Yellow Wood Glue	Home Depot	1	\$ 8.15	\$ 8.15
Paint	8 ounce cans	Home Depot	5	\$ 6.98	\$ 34.90
LED Light strands	Waterproof LED Neon Rope Light Multi-Color App RF Remote	The DIY Outlet	2	\$ 129.79	\$ 259.58
TOTAL PARTS:			31	TOTAL COST: \$	4,209.79