Part Description	Material	Distributor (Lead Time in Weeks)	Distributor Part #	Quantity Ordered	Unit Price	Shipping Price	Total Price	Spent	Necessary	Recommendations
Solar Still Sub-System										
Solar Glass (Low Iron Tempered), 1/4" Thick, 33" x 44 3/4"	Glass	Rochester Insulated Glass (4)	N/A	1	$173.76	$0.00	$173.76	No	Yes	Place order to correct dimensions (cannot cut tempered glass)
304 Bare Sheet, 20 gauge thick, 40" x 60"	Stainless Steel	Metal Supermarkets (2)	SS304/20G2	1	$155.34	$0.00	$155.34	No	Yes	Consider using polypropylene
1/2" X 36" X 48" Acrylic Sheet	Acrylic	Freckleface.com (2)	AC503648	1	$112.72	$17.76	$130.48	Yes	Yes	Purchase 1/2" x 24" x 48" sheet
5/32" Washer (Fluorosilicone)	Rubber	McMaster-Carr (1)	91367A903	1	$7.60	$0.00	$7.60	Yes	No	None
Mini Adjustable Float Valve, 1/4" ID	Plastic	FreshWaterSystems.com (2)	FVMA-B22	1	$10.98	$4.99	$15.97	Yes	Yes	None
Tropic Marin Sea Salt, 50 Gallon Mix	Salt	Aquarium Specialty (1)	ATM10222	1	$18.90	$21.64	$40.54	Yes	Yes	None
Cap Screws, 1/4"-20, 3/4" Length, Pack of 10	Stainless Steel	McMaster-Carr (1)	92245A540	1	$6.74	$0.00	$6.74	Yes	Yes	Purchase additional packs
Miniature Through-Wall Fitting, 1/4" Pipe Size	Nylon	McMaster-Carr (1)	8671T23	2	$8.51	$0.00	$17.02	Yes	Yes	None
Miniature Through-Wall Fitting, Black, 1/8" Pipe Size	Black Delrin	McMaster-Carr (1)	8674T54	1	$11.31	$5.07	$16.38	Yes	Yes	None
Cap Screws, 1/4"-20, 2 3/4" Length, Pack of 25	Steel	McMaster-Carr (1)	91309A553	1	$4.51	$0.00	$4.51	Yes	No	Smaller length of the screws
50' by 50" Roll of Mylar, 2 mil	Mylar	HTGSupply.com (2)	Not Specified	1	$17.95	$9.35	$27.30	Yes	Yes	Use smaller roll (only 1/5 used)
SOLKOTE HI/SORB-II Selective Solar Coating, 1 Gallon	Coating	Solec (2)	Not Specified	1	$69.95	$16.32	$86.27	Yes	No	Use black spray paint (water deducts Solkote benefits)
Bucket	Plastic	N/A	N/A	1	$0.00	$0.00	$0.00	No	No	None
Kushions For Edges	Foam	BabiesRUs (1)	3240312	3	$16.99	$0.00	$50.97	Yes	No	Consider design changes and/or smooth edges to eliminate need for kushions
Cart, 5' x 2'-1/2"	Steel	Dock Hardware	Not Specified	1	$20.00	$0.00	$20.00	Yes	Yes	Consider building
Universal To Connector w/USB DAQ	N/A	Omega Engineering (2)	UTC-USB	2	$59.00	$15.00	$133.00	Yes	Yes	None
Tooluxe 4-3/4" Suction Cup	Plastic	Amazon.com (2)	Not Specified	2	$8.99	$6.41	$24.39	Yes	Yes	None
Solar Still Sub-System Total (No Donated Materials)							$910.27			
Solar Still Sub-System Total (Spent)							$581.17			
Solar Still Sub-System Total (Only Necessary Items)							$760.92			
Compound Parabolic Collector Sub-System										
Backboard (OSB Sheet)	OSB	Lowe's	12212	1	$6.97	$0.00	$6.97	Yes	No	Use higher grade of plywood
Foam Board Insulation	LD PE	Lowe's	104593	1	$12.78	$0.00	$12.78	Yes	Yes	Size Appropriately (nest cut sheets)
Sheath Styrofoam	LD PE	Lowe's	14541	2	$29.97	$0.00	$59.94	Yes	Yes	Size Appropriately (nest cut sheets)
Solar Glass (Low Iron Tempered), 1/4" Thick, 34" x 29"	Glass	Rochester Insulated Glass (4)	N/A	1	$113.28	$0.00	$113.28	No	Yes	None
11oz Duro Spray Adhesive	Adhesive	Lowe's	54193	1	$4.99	$0.00	$4.99	Yes	No	Melted Foam (do not use)
Screws, Course Thread, 1"	Steel	Lowe's	52457	1	$6.58	$0.00	$6.58	Yes	Yes	None
Stanley-National Hardware, 1-1/2" x 5/8", Galvanized Corner	Steel	Lowe's	102894	2	$1.76	$0.00	$3.52	Yes	Yes	None
Hillman Group Plated Slotted Angle, 1-1/2" x 1-1/2"x 2', 14 Gauge	Zinc	Lowe's	216168	4	$6.17	$0.00	$24.68	Yes	No	Due to design changes, it is not necessary for final build
1" x 2" x 6' Eastern White Pine Board	Wood	Lowe's	2572	5	$2.12	$0.00	$10.60	Yes	Yes	None
CMC Howell Metal, 2" x 10', Type L Copper Pipe	Copper	Lowe's	139914	1	$109.00	$0.00	$109.00	Yes	No	Consider smaller diameter pipe
1-Quart Interior/Exterior Flat Black Brushing Enamel	Paint	Lowe's	47098	1	$9.29	$0.00	$9.29	Yes	Yes	None
15/32" x 4" x 4' Sanded Pine Plywood	Wood	Lowe's	7707	1	$15.97	$0.00	$15.97	Yes	Yes	None
20oz Paste Plumbing Flux	Flux	Lowe's	23532	1	$2.43	$0.00	$2.43	Yes	Yes	None
1/2 LB Plumbing Lead Solder	Solder	Lowe's	20847	1	$16.97	$0.00	$16.97	Yes	Yes	Consider smaller amount
2" x 50 yd. Metal Repair Tape	Tape	Lowe's	237722	1	$8.37	$0.00	$8.37	Yes	Yes	Consider smaller amount
4oz Purple Primer	Primer	Lowe's	23778	1	$3.78	$0.00	$3.78	Yes	Yes	Consider smaller amount
4oz CPVC Orange Cement	Cement	Lowe's	23776	1	$4.58	$0.00	$4.58	Yes	Yes	None
1" CPVC Coupling	CPVC	Lowe's	49336	1	$1.11	$0.00	$1.11	Yes	Yes	None
4-Pack 0.5" x 0.158" Flat Washer	Nylon	Lowe's	139068	4	$0.56	$0.00	$2.24	Yes	Yes	Consider bulk purchase online
2-Pack #4 Adjustable Clamp	Stainless Steel	Lowe's	62508	1	$0.94	$0.00	$0.94	Yes	Yes	None
Adjustable Detail Spray Gun	-	Harbor Freight Tools	92126	1	$12.99	$0.00	$12.99	Yes	No	Use available gun
12oz Rustoleum Spray		A.C. Moore	'02006619798	2	$5.29	$0.00	$10.58	Yes	Yes	None
18" x 9' Clear Cover (Contact Paper)		A.C. Moore	3201481502	1	$4.49	$0.00	$4.49	Yes	Yes	Investigate other adhesive options
12oz Rustole Spray, Orange	-	A.C. Moore	'02006619538	1	$5.29	$0.00	$5.29	Yes	No	None
11oz Bond Glue Spray	Glue	A.C. Moore	'02600000422	1	$7.19	$0.00	$7.19	Yes	Yes	Did not melt foam
TFI 2" X 1" CPVC Reducing Bushing	CPVC	GPFSupply.com (2)	494061	6	$1.27	$8.95	$16.57	Yes	Yes	None
TFI CPVC Cross	CPVC	GPFSupply.com (2)	460611	2	$1.72	$0.00	$3.44	Yes	No	None
Steel Square Tube, 3/4"	Steel	McMaster-Carr (1)	6527K12	1	$13.28	$0.00	$13.28	Yes	Yes	None
Steel Square Tube, 1"	Steel	McMaster-Carr (1)	6527K31	1	$24.14	$0.00	$24.14	Yes	Yes	None
Copper Tube Fitting	Copper	McMaster-Carr (1)	5520K16	6	$13.10	$18.66	$97.26	Yes	Yes	None
Barbed Hose Fitting, Standard-Wall Adapter, 1/4" Hose ID X 1/8"	Aluminum	McMaster-Carr (1)	5357K31	1	$2.62	$0.00	$2.62	Yes	Yes	None
Barbed Hose Fitting, Standard-Wall Adapter, 1/2" Hose ID X 1/4"	Aluminum	McMaster-Carr (1)	5357K39	2	$2.86	$0.00	$5.72	Yes	Yes	None
1" x 10' CPVC Pipe	CPVC	Lowe's	33181	1	$13.93	$0.00	$13.93	Yes	Yes	Consider redesign
1" CPVC Tee	CPVC	Lowe's	49571	1	$3.34	$0.00	$3.34	Yes	Yes	Consider redesign
1" CPVC 90	CPVC	Lowe's	49395	2	$1.38	$0.00	$2.76	Yes	Yes	Consider redesign
Silicone Sealant	Sealant	Lowe's	239983	1		$0.00	$0.00	Yes	Yes	Consider redesign
1/2" CPVC Trans Adapter	CPVC	Lowe's	64093	1	$0.63	$0.00	$0.63	Yes	Yes	Consider redesign
1/2" Sweat Ball Valve	Brass	Lowe's	61341	1	$7.32	$0.00	$7.32	Yes	Yes	Consider redesign
1" Adapter S x F With Washer	CPVC	Lowe's	49319	1	$2.63	$0.00	$2.63	Yes	Yes	Consider redesign
3/4" Adapter F CPVC	CPVC	Lowe's	23754	1	$0.99	$0.00	$0.99	Yes	Yes	Consider redesign
3/4" x 1" NPT Adapter	Brass	Lowe's	131015	1	$4.38	$0.00	$4.38	Yes	Yes	Consider redesign
3/4" NPT Adapter	Brass	Lowe's	130995	1	$1.99	$0.00	$1.99	Yes	Yes	Consider redesign
Sand Paper	Sand Paper	Lowe's	214745	1	$2.98	$0.00	$2.98	Yes	Yes	Consider redesign
Sand Paper	Sand Paper	Lowe's	214744	1	$2.98	$0.00	$2.98	Yes	Yes	Consider redesign
Genova 1" x 1" x 3/4" CPVC Tee	CPVC	Lowe's	49572	1	$5.11	$0.00	$5.11	Yes	Yes	Consider redesign
2" CPVC Female Adapter Metal	CPVC	GPFSupply.com (2)	460722	6	$10.58	$9.98	$73.46	Yes	Yes	Consider redesign
Foam Insulation For 1" Copper Pipe	Foam	Lowe's	21416	1	$1.94	$0.00	$1.94	Yes	Yes	Consider redesign
CPC Sub-System Total (No Donated Materials)							$746.03			
CPC Sub-System Total (Spent)							$632.75			
CPC Sub-System Total (Only Necessary Items)							$578.67			
System Totals										
Cost of Solar Still and CPC (No Donated Materials)							$1,656.30			
Cost of Solar Still and CPC (Spent)							$1,213.92			
Cost of Solar Still and CPC (Only Necessary Items)							$1,339.59			
Legend										
Responsible Party	Sergey	Wayne	Andrew	Allison	Kelsey	Dylan				
Special Comments	Donated	Costs								