

Function	Concept	Feasibility (1-5)	Cost (L,M,H)	
Purify H2O	UV Bulb	5	L	
	LED UV Bulb	1	H	
	solar boiling	3		
	Gamma Radiation	5	??	
Move Water	gravity	3	L	
	pump	5	M	
	siphon	2	L	
Light UV Bulb	Generate Power	5	H	
	Car Battery	5	M	
Acquire Water	carry bucket	5	0	
	tether cart	4	M	
	place bucket on wheels	5	L	
	generate from source of water	3	0	
Transfer Power	wires	5	L	
	gears	5	M	
Generate Power	sun	5	M	*the sun as a power source is low cost but the device to capture the sun rays is medium cost.
	geared crank	5	M	
	gravity	2	L	
	wind	2	L	
	supplement current system		M	
	spring energy	5	L	
	Rotational energy	4	M	
	fluid energy	3	M	
	foot pedal	5	M	
	magnets	3	H	
	sterling engine	2	M	
	shaft work done by mechanical piston	4	M	
	hydraulic pump	3	H	
Input Work	arm power	3	L	
	leg power	5	L	
	weight	4	L	
	bounce	5	L	

Placement of User	bucket	5	L	
	seat	3	M	
	standing	5	L	
Communicate to user	lights	5	L	(flashing light might be better)
	noises	3		
	vibrations	2	H	
	relay to flip switch	2		
	cellular phone hook up	1	H	
Controlling the flow rate	Pump	5	M	
	Gate valve	5	L	
	Orifice size	4	L	