

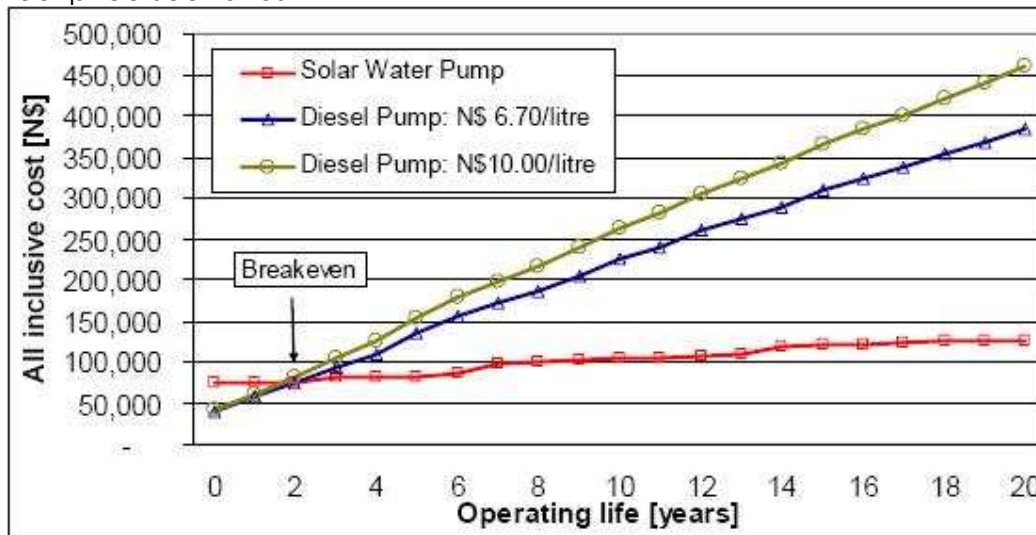
# ANNEX I

Tables and Graphs for Case Study Solar Water Pumps in Namibia – Desert Research Foundation of Namibia

Table 1 Comparison PVP with diesel water pumps - Years to break even

		Daily water [m <sup>3</sup> /day]							
		3	6	8	13	17	25	33	50
Head [m]	20	0.0	0.0	0.0	0.2	0.5	1.0	1.3	2.6
	40	0.0	0.2	0.5	0.8	1.2	2.6	2.8	5.6
	60	0.0	0.5	1.0	1.2	2.6	3.5	5.9	7.2
	80	0.0	1.0	1.7	1.8	3.6	6.4	6.7	7.8
	120	0.0	1.9	2.7	4.1	7.1	8.2	Diesel	Diesel
	160	0.2	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
	200	0.6	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel

Graph 1 Break even years for PVP and Diesel Pumps considering two fuel price scenarios



## ANNEX II

Tables and Graphs for Case Study Solar Water Pumps in  
Namibia – Desert Research Foundation of Namibia

Table 2 Unit Water prices for Photovoltaic Pumps

		Daily volume flow [m <sup>3</sup> /day]							
		3	6	8	13	17	25	33	50
Head [m]	20	6.33	3.38	2.09	1.54	1.27	0.99	0.85	0.87
	40	5.64	3.15	2.53	1.90	1.59	1.65	1.40	1.57
	60	6.09	3.51	2.86	2.21	2.49	1.97	2.38	2.08
	80	6.49	3.96	3.33	2.93	2.98	3.18	2.75	2.43
	120	7.59	4.82	4.50	4.38	5.04	4.31	No PVP	No PVP
	160	7.78	No PVP	No PVP	No PVP	No PVP	No PVP	No PVP	No PVP
	200	8.77	No PVP	No PVP	No PVP	No PVP	No PVP	No PVP	No PVP

Graph 2 Overall costs for Solar Water Pumps and Diesel Water Pumps.

