

Summary of Cost Results

Discount rate	5%
Interest	5%
Fuel Escalation	3%

Power plant

Type	Heat Only - Nuclear
Reference thermal output	1800 MW(th)
Reference electricity output	1620 MW(e)
Site Specific Electricity Production	14191 GWh/yr
Availability	90%

Annualized capital +
Decommission

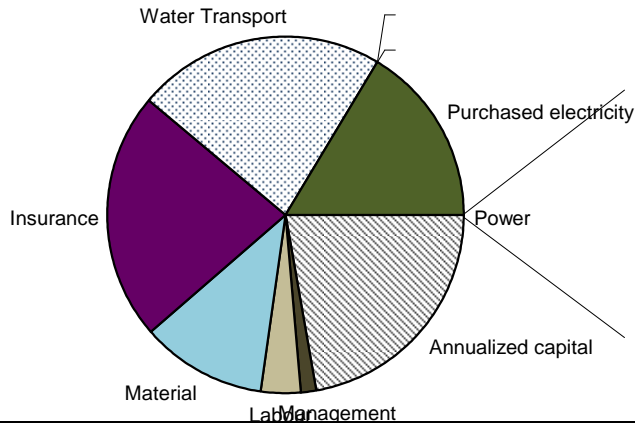
Capital Costs of Power Plant			
	<i>Total (M\$)</i>	<i>Specific (\$/kW)</i>	<i>Share</i>
Overnight EPC costs	648	400	74%
Owners costs	65	40	7%
Contingency cost	-	-	0%
Interest during construction	60	37	7%
Decommissioning costs	97	60	11%
Total Capital Costs	870	537	
Annualized Capital Costs	46	28	
Sp. Annualized Capital Costs		0,003	

Operating Costs of Power Plant			
	<i>Total (M\$)</i>	<i>Specific (\$/kWh)</i>	<i>Share</i>
Fuel Costs	170	0,012	86%
Operation & Maintenance costs	28	0,002	14%
Carbon tax	-	-	0%
Annual Operating costs	198	0,014	

TOTAL ANNUAL COST	244 M\$
Power Cost	0,017 \$/kWh

Desalination plant

Type	MSF RO
Total Capacity	20000 m ³ /d
Feed Salinity	35000 ppm
Combined Availability	81%
Water Production	6,57 Mm ³ /yr
Power Lost	0,0 MW(e)
Power Used for desalination	3 MW(e)



Capital Costs of Desalination Plant					
	MSF	RO	Total (M\$)	Specific (\$/m ³ d)	Share
Construction Cost	-	24	24	1.177	80%
Intermediate loop cost	-	-	-	-	0%
Backup Heat Source	-	-	-	-	0%
Infall/Outfall costs	-	-	2	77	5%
Water plant owners cost	-	1	1	59	4%
Water plant contingency cost	-	2	2	124	8%
Interest during Construction	-	1	1	34	2%
Total Capital Costs	-	28	29	1470	
Annualized Capital Costs			2		
Sp. Annualized Cap Costs				0,34	\$/m ³
Operating Costs of Desalination Plant					
	MSF	RO	Total (M\$)	Specific (\$/m ³)	Share
Energy Costs					
Heat cost	-	-	-	-	0%
Backup heat cost	-	-	-	-	0%
Electricity cost	-	-	-	-	0%
Purchased electricity cost	-	1,7	1,7	0,25	48%
Total Energy Costs	-	2	2	0,25	48%
Operation and Maintenance Costs					
Management cost	-	-	0,13	0,02	4%
Labour cost	-	-	0,36	0,05	10%
Material cost	-	1,15	1,2	0,18	34%
Insurance cost	-	0,14	0,1	0,02	4%
Total O&M cost	-	1	2	0,27	52%
Total Operating Costs	-	3	3	0,52	
Total annual cost				5,67 M\$	
Water production cost				0,863	\$/m ³
Water Transport costs				0,343	\$/m ³
Total water cost				1,206	\$/m³