

abdus salam

the

international centre for theoretical physics

SMR/1315-4

WORKSHOP ON

DESALINATION ECONOMIC EVALUATION

30 April - 4 May 2001

Miramare - Trieste, Italy

in cooperation with

The International Atomic Energy Agency (IAEA)

and

the Kuwait Foundation for the Advancement of Sciences (KFAS)

Case Study Clean Development

Mechanism for Nuclear Desalination (1999)

Peter J. Gowin International Atomic Energy Agency Vienna, Austria















Water Cost with and without CDM				
Item	Unit	NHR-10 (nuclear)	Gas	
Capacity of water plant	m ³ /d	8000	8000	
Fuel type		U0₂	Gas	
Net output	MW_{th}	10	10	
Currency reference year		1998	1998	
Base specific cost of water plant	US\$/m³/d	1942	1942	
Discount rate	%		10	
Water cost without CDM	US\$/m ³	2.79	2.43	
Water cost with CDM	US\$/m ³	2.74 to 2.65	2.43	



Water Case with and without CDM				
Item	Unit	NHR-200 (nuclear)	Gas (assumed	
Capacity of water plant	m³/d	160,000	160,000	
Fuel type		U02	Gas	
Net output	MW _{th}	200	200	
Currency reference year		1998	1998	
Base specific cost of water plant	US\$/m ³ /d	1942	1942	
Discount rate	%	10	10	
Water cost without CDM	US\$/m ³	1	0.95	
Water cost with CDM	US\$/m ³	0.95 to 0.87	0.95	



