

*The Study on Water Resources Management in The Hashemite Kingdom of Jordan*  
*Final Report/Supporting Report Part-A "Master Plan"*

Year (USD=10.000m <sup>2</sup> )		Hydraulic Analysis (m <sup>3</sup> /yr)																						
Item	Allocation	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
Water Produced																								
Industrial Water	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Physical Losses (%)	0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	
Physical Losses	0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	
Administrative/Managerial Losses (%)	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Administrative/Managerial Losses	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Quality Delivered	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Quality White Bills are Collected	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Industrial Water	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Physical Losses (%)	0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	
Physical Losses	0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	
Administrative/Managerial Losses (%)	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Administrative/Managerial Losses	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Quality Delivered	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Quality White Bills are Collected	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
<b>Financial Analysis (JD at 2000 Prices)</b>																								
Item	Percent	Amount	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Cost																								
Local Components	74%	133,098	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Foreign Components	25%	47,549	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Duty & Taxes	0%	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Total Capital Costs	115,648	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Construction Costs																								
D&M Costs																								
Total Costs																								
Revenue																								
Industrial Usage Qty (m <sup>3</sup> )	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Industrial Tariff (JD/m <sup>3</sup> )	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100		
Industrial Revenue (JD)	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Industrial Tariff (JD/m <sup>3</sup> )	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018		
Industrial Revenue (JD)	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Total Revenue (JD)	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Net Cash Flow (JD)	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Discounting (JD=10%)	1.111	0.53945	0.75101	0.88381	0.91092	0.94447	0.51316	0.49651	0.42419	0.38554	0.35949	0.31863	0.28933	0.21763	0.09384	0.11833	0.11507	1.111	1.111	1.111	1.111	1.111	1.111	1.111
Total Qty Delivered(m <sup>3</sup> )	1.111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EBIT	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
HFV (JD)	478,021	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
PW of Total Costs (JD)	91,262	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
PW of Total Qty Delivered (m <sup>3</sup> )	4,029,019	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	
Unit Water Price (JD/m <sup>3</sup> )	23	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	

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Year (End-E-38 Flows <sup>1</sup> )																											
Two		Adequate		2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		2018		2019	
Water Produced				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Industrial Water	0.80	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Physical Losses (%)	0.24	0.22	0.22	0.21	0.21	0.23	0.19	0.18	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15			
Physical Losses	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Administrative/Management Losses (%)	0.21	0.19	0.16	0.14	0.12	0.19	0.08	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Administrative/Management Losses	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quality Delivered	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quality Water Bills are Collected	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Industrial Water	1.80	1.8	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Physical Losses (%)	0.24	0.22	0.22	0.21	0.21	0.23	0.19	0.18	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15			
Physical Losses	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Administrative/Management Losses (%)	0.21	0.19	0.16	0.14	0.12	0.19	0.08	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
Administrative/Management Losses	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quality Delivered	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quality Water Bills are Collected	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Financial Analysis (JD at 2000 Prices)																											
Item	Percent	Average	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020												
Costs																											
Total Capital Costs	74%	135,081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Local Components	28%	47,043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Foreign Components	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Duty & Taxes	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Depreciation	105,081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Construction Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
D&M Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Revenue																											
Industrial Usage Qty (m <sup>3</sup> )	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Industrial Tariff (JD/m <sup>3</sup> )	1,008	1,008	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000			
Industrial Revenue (JD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Industrial Usage Qty (m <sup>3</sup> )	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Industrial Revenue (JD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Impregnation Revenue (JD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Impregnation Revenue (JD/m <sup>3</sup> )	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038			
Total Revenues (JD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Net Cash Flow (JD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Discounting (DR=10%)	1,835,07	1,831,04	1,827,05	0.77372	0.72981	0.65523	0.64351	0.64242	0.56225	0.53275	0.50021	0.49863	0.44103	0.43410	0.38883	0.38033	0.32989	0.31798	0.19784	0.17998	0.16051	0.14869	0.13539	0.12140			
Total Qty Water Bills are Collected (m <sup>3</sup> )	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
EBIT	19%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
NPV (JD)	47,632	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PV of Total Costs (JD)	91,932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PV of Total Qty Delivered (m <sup>3</sup> )	4,329,039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Unit Water Price (JD/m <sup>3</sup> )	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

North Oregon Alka Airport (Tariff=10 Pfen/w)		Hydrologic Analysis (in yrs)																						
Period	Item	Allocation	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Water Produced	0	0	0	0	0	0	0	523,349	544,144	569,840	598,835	6,164,830	4,462,659	4,700,488	7,858,518	7,561,147	7,653,908	7,941,208	8,324,442	8,607,136	8,004,809	8,342,641		
Industrial Water	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Physical Losses (%)	0.24	0.25	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21		
Physical Losses	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Administrative/Managerial Losses (%)	0.21	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18		
Administrative/Managerial Losses	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quantity Delivered	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quantity Where Bills are Collected	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Irrigation Water	1.00	0	0	0	0	0	0	5,326,349	5,463,144	5,610,840	5,903,935	6,164,830	6,463,159	6,708,488	7,058,518	7,561,147	7,653,908	7,941,208	8,324,442	8,607,136	8,004,809	8,342,641		
Physical Losses (%)	0.24	0.25	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21		
Physical Losses	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Administrative/Managerial Losses (%)	0.21	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18		
Administrative/Managerial Losses	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quantity Delivered	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quantity Where Bills are Collected	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Financial Analysis (in \$ at 2000 Prices)	Items	Percent	Amount	2000	2001	2002	2003	2004	2005	2006	2007	2008	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Cost																								
Local Components	30%	576,830	\$	\$	\$	\$	\$	0	208,815	0	\$	\$	\$	\$	\$	144,800	0	0	0	0	144,800	\$	\$	
Foreign Components	30%	246,830	\$	\$	\$	\$	\$	0	113,435	0	\$	\$	\$	\$	\$	61,718	0	0	0	0	61,718	\$	\$	
Duty & Taxes	0%	0	\$	\$	\$	\$	\$	0	0	0	\$	\$	\$	\$	\$	0	0	0	0	0	0	\$	\$	
Total Capital Costs	822,460	\$	\$	\$	\$	\$	\$	0	411,450	0	\$	\$	\$	\$	\$	185,728	0	0	0	0	205,728	\$	\$	
Operational Costs								0	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450		
Customer Costs								0	0	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585		
Total Costs								0	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450		
Revenue																								
Industrial Usage Qty (m³)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Industrial Tariff (f/kw)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Industrial Revenue (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Irrigation Usage Qty (m³)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,765,059	4,042,737	4,319,759	4,630,129	4,931,864	5,178,137	5,406,391	5,646,654	5,884,917	6,123,183	6,373,367	6,613,554	6,873,740	7,123,921	7,374,101	
Irrigation Tariff (f/kw)	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018		
Irrigation Revenue (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total Revenues (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Cash Flow (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Decreasing (f/kw-1%)	0.93807	0.93816	0.93825	0.93831	0.93838	0.93845	0.93852	0.93859	0.93866	0.93873	0.93880	0.93887	0.93894	0.93899	0.93906	0.93912	0.93918	0.93924	0.93930	0.93936	0.93942			
Total City Water Bills are Collected (m³)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,765,059	4,042,737	4,319,759	4,630,129	4,931,864	5,178,137	5,406,391	5,646,654	5,884,917	6,123,183	6,373,367	6,613,554	6,873,740	7,123,921		
EBIT	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
NPV (kW)	-182,857	0	0	0	0	0	0	0	-231,961	5,202	6,563	7,791	8,881	98,239	18,833	13,148	11,398	11,263	11,762	14,231	12,854	12,833		
PV of Total Costs (kW)	708,358	0	0	0	0	0	0	0	381,961	19,035	17,364	16,774	15,750	14,789	11,512	12,039	11,498	10,794	10,135	75,738	8,936	7,787		
PV of Total Bills Collected Qty (m³)	5235149	0	0	0	0	0	0	0	0	2,422,638	2,442,741	2,465,498	2,484,899	2,498,139	2,518,161	2,538,281	2,558,345	2,578,419	2,598,494	2,618,571	2,638,645	2,658,721	2,678,798	
Unit Water Price (M\$/m³)	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Elementary Analysis (in \$ at 2000 Prices)	Items	Percent	Amount	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Cost																								
Local Components	30%	576,830	\$	\$	\$	\$	\$	0	208,815	0	\$	\$	\$	\$	\$	144,800	0	0	0	0	144,800	\$	\$	
Foreign Components	30%	246,830	\$	\$	\$	\$	\$	0	113,435	0	\$	\$	\$	\$	\$	61,718	0	0	0	0	61,718	\$	\$	
Duty & Taxes	0%	0	\$	\$	\$	\$	\$	0	0	0	\$	\$	\$	\$	\$	0	0	0	0	0	0	\$	\$	
Total Digital Costs	822,460	\$	\$	\$	\$	\$	\$	0	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450		
Operational Costs								0	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450		
Customer Costs								0	0	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	28,585	
Total Costs								0	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450	411,450		
Revenue																								
Industrial Usage Qty (m³)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Industrial Tariff (f/kw)	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
Industrial Revenue (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Irrigation Usage Qty (m³)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Irrigation Tariff (f/kw)	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018		
Irrigation Revenue (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total Revenues (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Net Cash Flow (kW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Decreasing (f/kw-1%)	0.93809	0.93818	0.93827	0.93834	0.93841	0.93848	0.93855	0																

North Queen Alice Airport (Tentative 38 Gates*)		Financial Analysis (USD at 2000 Prices)																						
Item	Description	Allocation	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Water Produced			\$	0	\$	0	\$	0	\$,229,249	\$,443,144	\$,897,048	\$,918,555	\$,104,830	\$,442,659	\$,760,488	\$,781,311	\$,736,147	\$,653,978	\$,791,189	\$,329,442	\$,667,176	\$,818,908	\$,942,442	
Industrial Water		1.0%	0.8	1.0	0.9	1.0	0.9	1.0	0.8	1.0	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Physical Losses (%)		0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15		
Physical Losses			\$	0	\$	0	\$	0	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000		
Administrative/Material Losses (%)		0.21	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
Administrative/Material Losses			\$	0	\$	0	\$	0	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000		
Quantity Delivered		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
Quantity Where Bills are Collected			\$	0	\$	0	\$	0	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000		
Irrigation Water		1.0%	\$	0	\$	0	\$	0	\$,229,249	\$,443,144	\$,897,048	\$,918,555	\$,104,830	\$,442,659	\$,760,488	\$,781,311	\$,736,147	\$,653,978	\$,791,189	\$,329,442	\$,667,176	\$,818,908	\$,942,442	
Physical Losses (%)		0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15		
Physical Losses			\$	0	\$	0	\$	0	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000		
Administrative/Material Losses (%)		0.21	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
Administrative/Material Losses			\$	0	\$	0	\$	0	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000		
Quantity Delivered		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8		
Quantity Where Bills are Collected			\$	0	\$	0	\$	0	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000	\$,000		
Financial Analysis (USD at 2000 Prices)		Financial Analysis (USD at 2000 Prices)																						
Item	Description	Percent	Average	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Entire																								
Total Components		30%	576,830	0	\$	0	\$	0	\$,28,015	0	\$	0	\$	0	\$,144,088	0	\$	0	\$,144,888	0	\$	0	\$	
Foreign Compounds		30%	246,870	0	\$	0	\$	0	\$,121,435	0	\$	0	\$	0	\$,61,718	0	\$	0	\$,61,718	0	\$	0	\$	
Day & Taxes		0%	0	0	\$	0	\$	0	\$,000	0	\$	0	\$	0	\$,000	0	\$	0	\$,000	0	\$	0	\$	
Total Capital Costs			\$,82,930	0	\$	0	\$	0	\$,411,458	0	\$	0	\$	0	\$,205,738	0	\$	0	\$,205,738	0	\$	0	\$	
Cumulative Costs		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
O & M Costs		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Costs		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Revenue		Revenue																						
Industrial Usage Qty (m³)		3	0	\$	0	\$	0	\$	0	\$,000	0	\$	0	\$	0	0	0	0	0	0	0	0	0	
Industrial Usage (m³/Day)		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000		
Irrigation Usage Qty (m³)		3	0	\$	0	\$	0	\$	0	\$,765,059	-\$,842,727	\$,428,759	-\$,406,129	\$,493,864	\$,570,127	\$,548,391	\$,546,654	\$,584,817	\$,6,23,181	\$,382,347	\$,6,65,554	\$,623,740	\$,7,205,927	\$,7,474,114
Irrigation Usage (m³/Day)		1,131	0.032	0.125	0.032	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033		
Irrigation Revenue (USD)		0	0	\$	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Revenue (USD)		0	0	\$	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Cash Flow (USD)		0	0	\$	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Discounting (DB=10%)		0.93897	0.88286	0.82715	0.77372	0.72081	0.66853	0.61841	0.56812	0.51841	0.46869	0.41898	0.36926	0.31957	0.26985	0.21984	0.16982	0.11981	0.06980	0.01980	0.00980	0.00980		
Total Qty Delivered (m³)		0	0	\$	0	\$	0	\$	0	\$,765,059	-\$,842,727	\$,428,759	-\$,406,129	\$,493,864	\$,570,127	\$,548,391	\$,546,654	\$,584,817	\$,6,23,181	\$,382,347	\$,6,65,554	\$,623,740	\$,7,205,927	\$,7,474,114
FIRR		32%																						
NPV (USD)		1,123,941	1	0	\$	0	\$	0	-\$,21,931	\$,73,043	\$,74,980	\$,76,572	\$,77,899	\$,78,958	\$,78,238	\$,77,559	\$,76,878	\$,76,197	\$,75,516	\$,74,835	\$,74,154	\$,73,473	\$,72,892	
PV of Total Cost (USD)		785,558	1	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PV of Total Qty Delivered (m³)		52,190,145	1	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unit Water Price (USD/m³)		13																						
Economic Analysis (USD at 2000 Prices)		Economic Analysis (USD at 2000 Prices)																						
Item	Description	Percent	Average	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Entire																								
Total Components		30%	576,830	0	\$	0	\$	0	\$,28,015	0	\$	0	\$	0	\$,144,088	0	\$	0	\$,144,888	0	\$	0	\$	
Foreign Compounds		30%	246,870	0	\$	0	\$	0	\$,121,435	0	\$	0	\$	0	\$,61,718	0	\$	0	\$,61,718	0	\$	0	\$	
Day & Taxes		0%	0	0	\$	0	\$	0	\$,000	0	\$	0	\$	0	\$,000	0	\$	0	\$,000	0	\$	0	\$	
Total Capital Costs			\$,82,930	0	\$	0	\$	0	\$,411,458	0	\$	0	\$	0	\$,205,738	0	\$	0	\$,205,738	0	\$	0	\$	
Cumulative Costs		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
O & M Costs		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Costs		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Benefit		Benefit																						
Industrial Usage Qty (m³)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unit Benefit of Industrial Water (USD/m³)		2,743	2,740	2,748	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740		
Industrial Benefits (USD)		0	0	\$	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Irrigation Usage Qty (m³)		1	0	\$	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Irrigation Benefits (USD)		1,142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142		
Total Benefits (USD)		0	0	\$	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Cash Flow (USD)		0	0	\$	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Discounting (DB=10%)		0.93898	0.88285	0.82713	0.77370	0.72080	0.66858	0.61845	0.56812	0.51841	0.46869	0.41897	0.36924	0.31951	0.26982	0.21981	0.16980	0.11981	0.06980	0.01980	0.00980	0.00980		
Total Qty Delivered (m³)		0	0	\$	0	\$	0	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KERS		144%																						
NPV (USD)		4,010,607	1	0	\$	0	\$	0	-\$,332,255	261,921	271,211	280,391	289,570	272,700	281,987	291,211	287,337	293,511	184,320	137,568	165,414	155,958	167,586	
PV of Total Cost (USD)		491,171	0	0	\$	0	\$	0	0	231,255	15,172	13,792	11,384	10,362	9,401	8,904	7,785	7,075	6					

North Jordan Valley (Total=10 Billion)		Hydrologic Analysis (m³/yr)																				
Year	Item	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026		
Water Production	0	0	0	1,978,034	2,037,194	2,094,374	2,150,266	2,176,157	2,210,049	2,265,934	2,295,838	2,311,953	1,628,076	3,144,196	3,200,319	3,276,436	3,314,886	3,353,287	3,391,727	3,438,156		
Industrial Water	1,111	1,111	1,111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Physical Losses (%)	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15		
Physical Losses	441	440	440	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Administrative/Managerial Losses (%)	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05		
Administrative/Managerial Losses	441	440	440	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quality Delivered	1,111	1,111	1,111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Quality Where Bills Are Collected	1,111	1,111	1,111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Impacted Water	1,111	1,111	1,111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Physical Losses (%)	0.24	0.25	0.23	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15		
Physical Losses	441	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Administrative/Managerial Losses (%)	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.05		
Administrative/Managerial Losses	441	440	440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Quality Delivered	1,111	1,111	1,111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Quality Where Bills Are Collected	1,111	1,111	1,111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Financial Analysis (ID at 2000 Prices)		Item	Percent	Amount	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Costs																						
Total Local Components	42%	451,074	1	1	274,726	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Foreign Components	55%	544,057	1	1	272,828	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Duty & Taxes	0%	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Capital Costs	985,931	985,931	1	1	546,754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Construction Costs	1	1	546,754	546,254	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754		
Office & M Costs	1	1	0	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008		
Total Costs	1	1	546,754	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008		
Revenue																						
Industrial Usage (GJ/m³)	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Industrial Traffic (GJ/m³)	1,100	1,100	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Industrial Revenue (ID)	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Impacted Usage (GJ/m³)	1	1	0	1,271,447	1,307,974	1,497,462	1,618,111	1,758,388	1,812,079	1,871,674	1,928,886	1,918,542	2,042,459	2,155,264	2,400,252	2,701,349	2,811,883	2,922,617	3,003,281	3,144,126	3,254,070	
Impacted Traffic (GJ/m³)	0.018	0.018	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	
Impacted Revenue (ID)	1	1	0	12,715	15,988	14,475	16,181	17,584	19,122	20,711	22,387	23,285	25,158	26,855	27,811	28,119	28,219	30,358	31,443	32,549	33,549	
Total Revenue (ID)	1	1	0	12,715	15,988	14,475	16,181	17,584	19,122	20,711	22,387	23,285	25,158	26,855	27,811	28,119	28,219	30,358	31,443	32,549	33,549	
Net Cash Flow (ID)	1	1	0	-546,754	-56,283	-49,308	-48,133	-48,837	-45,438	-43,888	-42,260	-40,841	-38,312	-35,583	-30,981	-30,852	-49,424	-41,036	-44,988	-30,203	-44,694	
Discounting (ID@-5%)	0.01897	0.01866	0.01785	0.01773	0.01768	0.01753	0.01741	0.01734	0.01726	0.01717	0.01708	0.01699	0.01689	0.01679	0.01669	0.01659	0.01649	0.01639	0.01629	0.01619		
Total GJ Whr Bills Are Collected (GJ/m³)	1	1	0	1,271,447	1,307,974	1,497,462	1,618,111	1,758,388	1,812,079	1,871,674	1,928,886	1,918,542	2,042,459	2,155,264	2,400,252	2,701,349	2,811,883	2,922,617	3,003,281	3,144,126	3,254,070	
EBIT	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788	40,0788		
HPV (ID)	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983	-1,115,983		
PV of Total Costs (ID)	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434	1,354,434		
PV of Total GJ Delivered (GJ/m³)	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	1,353,550,000	
Unit Water Price (M\$/m³)	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
Economic Analysis (ID at 2000 Prices)		Item	Percent	Amount	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Costs																						
Total Local Components	42%	451,074	1	1	274,726	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Foreign Components	55%	544,057	1	1	272,828	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Duty & Taxes	0%	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Capital Costs	985,931	985,931	1	1	546,754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Construction Costs	1	1	546,754	546,254	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754	546,754		
Office & M Costs	1	1	0	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008		
Total Costs	1	1	546,754	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008	63,008		
Revenue																						
Industrial Usage (GJ/m³)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Industrial Benefits (ID/m³)	2740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	2,740	
Industrial Benefits (ID)	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Impacted Usage (GJ/m³)	1	1	0	1,594,115	1,615,291	1,677,305	1,801,375	1,944,446	2,088,322	2,300,008	2,396,457	2,475,180	2,573,881	2,672,565	2,771,368	2,869,837	2,967,636	3,065,382	3,222,968	3,340,634	3,451,330	
Impacted Benefits (ID/m³)	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	0.142	
Total Benefits (ID)	1	1	0	229,509	228,594	231,319	236,318	237,705	238,947	235,085	236,399	230,253	238,302	240,711	241,783	242,751	243,840	244,806	245,860	246,828	247,789	248,849
Net Cash Flow (ID)	1	1	0	-229,509	-228,594	-231,319	-236,318	-237,705	-238,947	-235,085	-236,399	-230,253	-238,302	-240,711	-241,783	-242,751	-243,840	-244,806	-245,860	-246,828	-247,789	-248,849
Discounting (ID@-5%)	0.01809	0.01805	0.01791	0.01787	0.01783	0.01779	0.01775	0.01771	0.01767	0.01763	0.01759	0.01755	0.01751	0.01747	0.01743	0.01739	0.01735	0.01731	0.01727	0.01723	0.01719	
Total GJ Delivered (m³)	1	1	0	1,594,115</td																		