

Economic Analysis (M JD at 2000 Prices)																							
Item	Percent	Amount	2000	2011	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Costs</b>																							
Local Costs	20%	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	5.6	4.9	0.0	0.0	0.0	0.0	0.0
Foreign Costs	80%	56.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	32.4	39.4	0.0	0.0	0.0	0.0	0.0
Dry & 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Capital Costs		70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	28.0	24.5	0.0	0.0	0.0	0.0	0.0
Operation 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	0.0	0.0	17.5	45.5	70.0	70.0	70.0	70.0	70.0	70.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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	0.0	0.0	17.5	28.0	34.5	0.7	0.7	0.7	0.7	0.7
<b>Benefits</b>																							
Municipal Usage Qty (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unit Benefits of Municipal Water (JD/m <sup>3</sup> )			0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735
Municipal Benefits (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Industrial Usage Qty (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unit Benefits of Industrial Water (JD/m <sup>3</sup> )			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	2.740
Industrial Benefits (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Irrigation Usage Qty (M 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	0.0	0.0	0.0	0.0	0.0	25.5	25.5	25.5	25.5
Unit Benefits of Irrigation Water (JD/m <sup>3</sup> )			0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
Irrigation Benefits (M 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	0.0	0.0	0.0	0.0	0.0	7.2	7.2	7.2	7.2
Total Benefits (M 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	0.0	0.0	0.0	0.0	0.0	7.2	7.2	7.2	7.2
Net Cash Flow (M 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	0.0	-17.5	-28.0	-34.5	-6.5	-6.5	-6.5	-6.5	-6.5
Discounting (DR=10%)			0.98989	0.89645	0.81311	0.73991	0.67692	0.62392	0.58047	0.54651	0.52110	0.50354	0.49245	0.48733	0.48766	0.49333	0.50399	0.51791	0.53464	0.55366	0.57441	0.59631	0.61984
Total Qty Delivered (M 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	0.0	0.0	0.0	0.0	0.0	25.5	25.5	25.5	25.5
<b>IRR</b>																							
NPV (M JD)	7%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.6	-9.7	-5.3	1.3	1.2	1.1	1.0	0.9
PV of Total Costs (M JD)	18.1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
PV of Total Qty Delivered (M m <sup>3</sup> )	50.4		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	4.6	4.2	3.8	3.4
Unit Water Price (P/m <sup>3</sup> )	358																						



Economic Analysis (M.JD at 2000 Prices)				2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	Item	Percent	Amount																					
<b>Costs</b>																								
	Local Costs	28%	2.4	0.0	0.8	0.8	0.8	0.8	8.8	0.0	0.0	0.8	8.0	0.0	0.0	0.8	8.0	0.0	0.0	0.8	0.0	0.0	0.0	8.8
	Foreign Costs	80%	9.6	0.0	0.8	3.2	3.2	3.2	8.8	0.0	0.0	0.8	8.0	0.0	0.0	0.8	8.0	0.0	0.0	0.8	0.0	0.0	0.0	8.8
	Duty & Taxes	0%	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.8	8.0	0.0	0.0	0.8	8.0	0.0	0.0	0.8	0.0	0.0	0.0	8.8
	Total Capital Costs		12.0	0.0	0.8	4.0	4.0	4.0	8.8	0.0	0.0	0.8	8.0	0.0	0.0	0.8	8.0	0.0	0.0	0.8	0.0	0.0	0.0	8.8
	Cumulative Costs			0.0	0.8	4.0	8.0	12.0	12.8	12.0	12.0	12.8	12.0	12.0	12.0	12.8	12.0	12.0	12.0	12.8	12.0	12.0	12.0	12.8
	O & M Costs			0.0	0.8	0.0	0.0	0.0	8.2	0.2	0.2	0.2	8.2	0.2	0.2	0.2	8.2	0.2	0.2	0.2	8.2	0.2	0.2	8.2
	Total Costs			0.0	0.8	4.0	4.0	4.0	8.2	0.2	0.2	0.2	8.2	0.2	0.2	0.2	8.2	0.2	0.2	0.2	8.2	0.2	0.2	8.2
<b>Benefits</b>																								
	Municipal Usage Qty (M m <sup>3</sup> )			0.0	0.8	0.0	0.0	0.0	8.8	0.8	0.8	0.8	8.8	0.8	0.8	0.8	8.8	0.8	0.8	0.8	8.8	0.8	0.8	8.8
	Unit Benefits of Municipal Water (JD/m <sup>3</sup> )			0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735
	Municipal Benefits (M.JD)			0.0	0.8	0.0	0.0	0.0	8.2	0.2	0.2	0.2	8.2	0.2	0.2	0.2	8.2	0.2	0.2	0.2	8.2	0.2	0.2	8.2
	Industrial Usage Qty (M m <sup>3</sup> )			0.0	0.8	0.0	0.0	0.0	8.8	0.0	0.0	0.8	8.0	0.0	0.0	0.8	8.0	0.0	0.0	0.8	0.0	0.0	0.0	8.8
	Unit Benefits of Industrial Water (JD/m <sup>3</sup> )			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	2.740
	Industrial Benefits (M.JD)			0.0	0.8	0.0	0.0	0.0	8.8	0.0	0.0	0.8	8.0	0.0	0.0	0.8	8.0	0.0	0.0	0.8	0.0	0.0	0.0	8.8
	Irrigation Usage Qty (M m <sup>3</sup> )			0.0	0.8	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	Unit Benefits of Irrigation Water (JD/m <sup>3</sup> )			0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
	Irrigation Benefits (M.JD)			0.0	0.8	0.0	0.0	0.0	8.9	0.9	0.9	0.9	8.9	0.9	0.9	0.9	8.9	0.9	0.9	0.9	8.9	0.9	0.9	8.9
	Total Benefits (M.JD)			0.0	0.8	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	Net Cash Flow (M.JD)			0.0	0.8	-4.0	-4.0	-4.0	8.8	0.9	0.9	0.8	8.9	0.9	0.9	0.8	8.9	0.9	0.9	0.8	8.9	0.9	0.9	8.8
	Discounting (DR=10%)			1.98909	0.82645	0.75121	0.66501	0.62852	0.56447	0.51316	0.46651	0.42418	0.38554	0.35049	0.31863	0.28944	0.26331	0.23939	0.21763	0.19784	0.17966	0.16351	0.14844	0.13513
	Total Qty Delivered (M m <sup>3</sup> )			0.0	0.8	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	<b>EIRR</b>	8%																						
	NPV (M.JD)	-3.1		0.0	0.8	-3.0	-2.7	-2.5	1.5	0.5	0.4	0.4	1.3	0.3	0.3	0.3	1.2	0.2	0.2	0.2	0.1	0.1	0.1	1.1
	PV of Total Costs (M.JD)	9.6		8.0	0.0	3.0	2.7	2.5	0.1	0.1	1.1	0.1	0.1	0.1	1.1	0.1	0.1	0.1	1.1	0.0	0.0	0.8	8.0	0.0
	PV of Total Qty Delivered (M m <sup>3</sup> )	29.3		8.0	0.0	0.0	0.8	8.0	2.0	1.8	1.8	1.5	1.4	1.2	1.1	1.0	0.9	0.8	0.8	0.7	0.6	0.6	1.5	0.5
	Unit Water Price (Flaku <sup>3</sup> )	473																						



**Economic Analysis (M JD at 2000 Prices)**

Item	Percent	Amount	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Costs</b>																							
Local 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foreign Costs	100%	437.5	0.0	20.0	65.0	90.0	90.0	90.0	90.0	82.5	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Capital Costs		437.5	0.0	20.0	65.0	90.0	90.0	90.0	90.0	82.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operative Costs			0.0	20.0	65.0	90.0	90.0	90.0	90.0	82.5	0.0	0.0	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	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
Total Costs			0.0	20.0	65.0	90.0	90.0	90.0	90.0	82.5	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
<b>Benefits</b>																							
Municipal Usage Qty (M m <sup>3</sup> )			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.8	74.7	75.6	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
Unit Benefits of Municipal Water (JD/m <sup>3</sup> )			0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735
Municipal Benefits (M JD)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.2	54.9	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
Industrial Usage Qty (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unit Benefits of Industrial Water (JD/m <sup>3</sup> )			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	2.740
Industrial Benefits (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Irrigation Usage Qty (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unit Benefits of Irrigation Water (JD/m <sup>3</sup> )			0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
Irrigation Benefits (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Benefits (M JD)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.2	54.9	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
Net Cash Flow (M JD)			0.0	-20.0	-65.0	-90.0	-90.0	-90.0	-90.0	-82.5	32.4	33.0	33.7	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
Discounting (DR=10%)			1.91509	1.12645	1.75131	0.68301	0.62092	0.56447	0.51316	0.46651	0.42410	0.38534	0.35049	0.31863	0.28966	0.26333	0.23939	0.21763	0.19784	0.17996	0.16351	0.14864	0.13513
Total Qty Delivered (M m <sup>3</sup> )			0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.0	83.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	
<b>IRR</b>																							
NPV (M JD)	5%	-117.2	0.0	-16.5	-48.8	-61.5	-55.9	-50.8	-42.3	15.1	14.0	13.0	12.0	10.9	10.0	9.0	8.2	7.5	6.8	6.2	5.6	5.1	4.6
PV of Total Costs (M JD)		376.7	1.1	14.5	46.1	61.5	55.9	50.8	42.1	10.2	9.5	8.4	7.7	7.0	6.3	5.6	5.2	4.6	4.3	3.9	3.6	3.3	3.0
PV of Total Qty Delivered (M m <sup>3</sup> )		389.8	1.1	1.1	0.1	0.1	0.1	0.1	0.1	38.3	36.2	32.4	29.8	27.1	24.6	22.4	20.3	18.5	16.8	15.3	13.9	12.6	11.5
Unit Water Price (Flaha <sup>3</sup> )		968																					

Miscellaneous Small Projects - Supply Expansion

Hydraulic Analysis (M m<sup>3</sup>/yr)

Item	Allocatios	Water Qty	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Water Produced		10	0	0	0	0	0	0	0	0	0	0	0
Saved		0	0	0	0	0	0	0	0	0	0	0	0
<b>Municipal Water</b>	0.90	9.1	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Physical Losses (%)			0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15
Physical Losses			2.16	2.07	1.98	1.89	1.80	1.71	1.62	1.53	1.44	1.35	1.26
Administrative/Managerial Losses (%)			0.21	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05
Administrative/Managerial Losses			1.90	1.71	1.44	1.26	1.08	0.90	0.72	0.54	0.36	0.18	0.00
Quantity Delivered			6.84	6.99	7.02	7.11	7.20	7.29	7.38	7.47	7.56	7.65	7.74
Quantity Whose Bills are Collected			6.84	6.99	7.02	7.11	7.20	7.29	7.38	7.47	7.56	7.65	7.74
<b>Industrial Water</b>	0.10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Physical Losses (%)			0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15
Physical Losses			0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15
Administrative/Managerial Losses (%)			0.21	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05
Administrative/Managerial Losses			0.21	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05
Quantity Delivered			0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86
Quantity Whose Bills are Collected			0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86
<b>Irrigation Water</b>	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
Physical Losses (%)			0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	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
Administrative/Managerial Losses (%)			0.21	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05
Administrative/Managerial Losses			0.21	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05
Quantity Delivered			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quantity Whose Bills are Collected			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Financial Analysis (M JD at 2010 Prices)

Item	Percent	Amount	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Costs</b>													
Local Costs	100%	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1
Foreign 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
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
Total Capital Costs		118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1
Operative 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			118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1	118.1
<b>Revenues</b>													
Municipal Usage Qty (M m <sup>3</sup> )			9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Municipal Tariff (JD/m <sup>3</sup> )		0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294
Municipal Revenues (M JD)			2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646
Industrial Usage Qty (M m <sup>3</sup> )			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Industrial Tariff (JD/m <sup>3</sup> )		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 Revenues (M JD)			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 (M 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
Irrigation Tariff (JD/m <sup>3</sup> )		0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Irrigation Revenues (M JD)			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Revenues (M JD)			2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646
Net Cash Flow (M JD)			-115.5	-115.5	-115.5	-115.5	-115.5	-115.5	-115.5	-115.5	-115.5	-115.5	-115.5
Discounting (CR=6 %)			0.93897	0.88166	0.82785	0.77732	0.72988	0.68533	0.64351	0.60423	0.56735	0.53273	0.50021
Total Qty Whose Bills are Collected (M m <sup>3</sup> )			9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
<b>IRR</b>													
NPV (M JD)	-75.0		-9.4	-9.3	-9.2	-9.1	-9.0	-8.9	-8.8	-8.7	-8.6	-8.5	-8.4
PV of Total Costs (M JD)	88.7		9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4
PV of Total Bills Collected (M m <sup>3</sup> )	41.3		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 (Fkols <sup>2</sup> )	2.065												

**Economic Analysis (M JD at 2000 Prices)**

Item	Percent	Amount	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Costs</b>																							
Local Costs	100%	110.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Foreign 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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Capital Costs		110.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Operative Costs		0.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Costs			10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
<b>Benefits</b>																							
Municipal Usage Qty (M 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	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
Unit Benefits of Municipal Water (JD/m <sup>3</sup> )			0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735
Municipal Benefits (M JD)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Industrial Usage Qty (M 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	0.9	0.9	0.9	0.9	0.95	0.95	0.95	0.95	0.95	0.95
Unit Benefits of Industrial Water (JD/m <sup>3</sup> )			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	2.740
Industrial Benefits (M JD)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Irrigation Usage Qty (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unit Benefits of Irrigation Water (JD/m <sup>3</sup> )			0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
Irrigation Benefits (M 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Benefits (M JD)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Net Cash Flow (M JD)			-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Discounting (DR=10%)			0.90909	0.82445	0.75131	0.68301	0.62992	0.58647	0.55316	0.46651	0.42410	0.38154	0.35044	0.31881	0.28966	0.26333	0.23939	0.21763	0.19784	0.17986	0.16351	0.14884	0.13513
Total Qty Delivered (M 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	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	
<b>EIRR</b>																							
NPV (M JD)	#DIV/0!		-9.1	-8.3	-7.5	-6.8	-6.2	-5.6	-5.1	-4.7	-4.2	-3.9	-3.5	1.0	1.7	1.5	1.4	1.3	1.1	1.0	0.9	0.8	
FV of Total Costs (M JD)			71.4	81	83	75	68	62	56	51	47	42	39	35	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.3	
FV of Total Qty Delivered (M m <sup>3</sup> )			24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.5	2.2	2.2	1.1	1.7	1.5	1.4	1.1	
Unit Water Price (Fl/m <sup>3</sup> )			2.962																				