

As Shown (Total @ 10 Years)

Hydraulic Analysis (m³/yr)																								
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	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	
Industrial Water	0.08	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000
Physical Losses (%)		0.28	0.23	0.22	0.21	0.21	0.21	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		800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000
Administrative/Managerial Losses (%)		0.21	0.19	0.16	0.14	0.12	0.11	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	0.05	0.05
Administrative/Managerial Losses		800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000
Quantity Delivered		800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000
Quantity Where Bills are Collected		800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000	800,000
Domestic Water	1.08	800,000	800,000	800,000	800,000	800,000	800,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000
Physical Losses (%)		0.28	0.23	0.22	0.21	0.21	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	0.15
Physical Losses		800,000	800,000	800,000	800,000	800,000	800,000	1,800,000	1,800,000	1,700,000	1,600,000	1,500,000	1,400,000	1,300,000	1,200,000	1,100,000	1,000,000	900,000	800,000	700,000	600,000	500,000	400,000	300,000
Administrative/Managerial Losses (%)		0.21	0.19	0.16	0.14	0.12	0.11	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	0.05	0.05
Administrative/Managerial Losses		800,000	800,000	800,000	800,000	800,000	800,000	900,000	800,000	700,000	600,000	500,000	400,000	300,000	200,000	100,000	0	0	0	0	0	0	0	0
Quantity Delivered		800,000	800,000	800,000	800,000	800,000	800,000	8,100,000	8,100,000	8,300,000	8,400,000	8,400,000	8,300,000	8,200,000	8,100,000	8,000,000	7,900,000	7,800,000	7,700,000	7,600,000	7,500,000	7,400,000	7,300,000	7,200,000
Quantity Where Bills are Collected		800,000	800,000	800,000	800,000	800,000	800,000	7,200,000	7,400,000	7,600,000	7,800,000	8,000,000	8,200,000	8,400,000	8,600,000	8,800,000	9,000,000	9,200,000	9,400,000	9,600,000	9,800,000	10,000,000	10,200,000	10,400,000

Financial Analysis (M 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	
Local Components			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
Duty & Taxes			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			0	0	0	666,667	666,667	666,667	0	2,333,333	2,333,333	2,333,333	0	0	0	0	0	0	0	0	0	0	0	0
Construction Costs			0	0	0	666,667	666,667	666,667	2,800,000	2,800,000	4,200,234	6,666,667	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000
O & M Costs			0	0	0	0	0	0	180,000	180,000	180,000	180,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
Total Costs			0	0	0	666,667	666,667	666,667	180,000	108,000	2,433,232	2,433,232	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
Revenue			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 (m³)			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/m³)			1.800	1.000	1.800	1.000	1.800	1.000	1.800	1.000	1.800	1.000	1.800	1.000	1.800	1.000	1.800	1.000	1.800	1.000	1.800	1.000	1.800	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
Ingestion Usage Qty (m³)			0	0	0	0	0	0	7,200,000	7,400,000	7,600,000	7,800,000	8,000,000	8,200,000	8,400,000	8,600,000	8,800,000	9,000,000	9,200,000	9,400,000	9,600,000	9,800,000	10,000,000	10,200,000
Ingestion Tariff (JD/m³)			0.018	0.010	0.018	0.010	0.018	0.010	0.018	0.010	0.018	0.010	0.018	0.010	0.018	0.010	0.018	0.010	0.018	0.010	0.018	0.010	0.018	0.010
Ingestion Revenue (JD)			0	0	0	0	0	0	72,000	74,000	76,000	78,000	80,000	82,000	84,000	86,000	88,000	90,000	92,000	94,000	96,000	98,000	100,000	102,000
Total Revenue (JD)			0	0	0	0	0	0	72,000	74,000	76,000	78,000	80,000	82,000	84,000	86,000	88,000	90,000	92,000	94,000	96,000	98,000	100,000	102,000
Net Cash Flow (JD)			0	0	0	-666,667	-666,667	-666,667	-180,000	-260,000	-2,357,232	-2,355,232	-2,352,232	-900,000	-900,000	-900,000	-900,000	-900,000	-900,000	-900,000	-900,000	-900,000	-900,000	-900,000
Discounting (10% =)			0.90897	0.81645	0.72925	0.64772	0.57288	0.50353	0.44015	0.38242	0.33015	0.28317	0.24111	0.20361	0.17111	0.14312	0.11912	0.09812	0.08012	0.06512	0.05312	0.04412	0.03712	0.03212
Total Qty Where Bills are Collected (m³)			0	0	0	0	0	0	7,200,000	7,400,000	7,600,000	7,800,000	8,000,000	8,200,000	8,400,000	8,600,000	8,800,000	9,000,000	9,200,000	9,400,000	9,600,000	9,800,000	10,000,000	10,200,000
IRR			-7.688,742						-10.818	-15.718	-1,355,440	-1,344,743	-1,177,180	-42,271	-39,682	-37,208	-34,984	-32,859	-30,833	-28,970	-27,258	-25,687	-24,252	-22,942
NPV (JD)			10,512,977	0	0	510,216	416,537	456,398	64,251	80,423	1,308,359	1,286,208	1,217,183	21,257	190,458	184,343	174,972	164,295	154,264	144,820	780,667	774,222	470,622	470,622
PV of Total Costs (JD)			20,312,867	0	0	510,216	416,537	456,398	64,251	80,423	1,308,359	1,286,208	1,217,183	21,257	190,458	184,343	174,972	164,295	154,264	144,820	780,667	774,222	470,622	470,622
Use Water Price (JD/m³)			37						4,633,245	4,471,211	4,311,825	4,155,263	4,000,648	3,848,583	3,699,755	3,554,684	3,412,912	3,274,012	3,138,424	3,005,680	2,876,344	2,750,000	2,626,344	2,505,000

Economic Analysis (M 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	
Local Components			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
Duty & Taxes			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			0	0	0	666,667	666,667	666,667	0	2,333,232	2,333,232	2,333,232	0	0	0	0	0	0	0	0	0	0	0	0
Construction Costs			0	0	0	666,667	666,667	666,667	2,800,000	2,800,000	4,200,234													

As Shown (Table 16) (Flow)

Hydraulic Analysis (m³/yr)

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	18,000,000	10,000,000	10,000,000	10,000,000	10,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000
Industrial Water	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Physical Losses (%)	0.24	0.23	0.22	0.21	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative/Managerial Losses (%)	0.21	0.19	0.14	0.14	0.12	0.11	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	0.05
Administrative/Managerial Losses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quantity Delivered	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Impurities Water	1.00	0	0	0	0	0	0	18,000,000	10,000,000	10,000,000	10,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000	45,000,000
Physical Losses (%)	0.24	0.23	0.22	0.21	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Administrative/Managerial Losses (%)	0.21	0.19	0.14	0.14	0.12	0.11	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	0.05
Administrative/Managerial Losses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quantity Delivered	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Financial Analysis (JD @ 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
Local Components			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
Duty & Taxes			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Costs			0	0	0	666,667	666,667	666,667	0	2,333,333	2,333,333	2,333,333	2,333,333	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	2,066,667	2,066,667	2,066,667
Operative Costs			0	0	0	666,667	1,333,334	2,000,001	2,900,001	3,800,001	4,533,334	6,466,667	8,800,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	11,066,667	13,133,334	15,200,001
D & M Costs			0	0	0	0	0	0	100,000	100,000	100,000	100,000	100,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
Total Costs			0	0	0	666,667	666,667	666,667	100,000	100,000	2,433,333	2,433,333	2,433,333	450,000	450,000	450,000	450,000	450,000	450,000	450,000	2,516,667	2,516,667	2,516,667
Revenues			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 ³)			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 ³)	1.800	1.080	1.000	1.800	1.080	1.000	1.800	1.080	1.000	1.800	1.080	1.000	1.800	1.080	1.000	1.800	1.080	1.000	1.800	1.080	1.000	1.800	1.080
Industrial 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
Impurities Usage Qty (m ³)	0	0	0	0	0	0	0	7,280,000	7,408,000	7,800,000	7,880,000	8,008,000	36,000,000	36,880,000	36,000,000	36,000,000	36,880,000	36,000,000	36,000,000	36,880,000	36,000,000	36,000,000	36,000,000
Impurities Tariff (JD/m ³)	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
Impurities Revenues (JD)	0	0	0	0	0	0	0	273,800	281,280	298,200	299,400	304,000	1,368,000	1,385,800	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000
Total Revenues (JD)	0	0	0	0	0	0	0	273,800	281,280	298,200	299,400	304,000	1,368,000	1,385,800	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000	1,368,000
Net Cash Flow (JD)			0	0	0	-666,667	-666,667	-666,667	173,800	181,280	-1,144,533	-1,136,933	-2,129,333	818,000	818,000	818,000	818,000	818,000	818,000	818,000	918,000	-1,348,667	-1,144,667
Discounting (Df=6%)			0.93897	0.88168	0.82705	0.77732	0.73043	0.68533	0.64251	0.60223	0.56375	0.52775	0.49391	0.46198	0.43162	0.40241	0.37413	0.34751	0.32224	0.29894	0.27724	0.25684	0.23751
Total Qty Whose Bills are Collected (m ³)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EBIT	7%		0	0	0	-538,216	-484,587	-456,896	111,713	108,467	-1,216,708	-1,138,400	-1,065,110	431,168	484,853	381,144	256,943	335,158	314,782	289,495	-747,178	-525,588	-306,002
NPV (JD)	249,218	0	0	0	538,216	484,587	456,896	64,351	68,423	1,380,558	1,386,300	1,217,183	211,357	186,438	116,345	174,972	184,295	154,166	144,858	740,647	734,123	678,611	
PV of Total Costs (JD)	18,512,857	0	0	0	538,216	484,587	456,896	64,351	68,423	1,380,558	1,386,300	1,217,183	211,357	186,438	116,345	174,972	184,295	154,166	144,858	740,647	734,123	678,611	
PV of Total Bills Collected Qty (m ³)	281,212,887	0	0	0	0	0	0	4,633,245	4,471,311	4,311,385	4,155,355	4,001,088	3,836,503	3,676,804	3,521,689	3,374,432	3,231,331	3,091,629	2,959,778	18,180,778	18,216,493	6,991,118	
Unit Water Price (JD/m ³)	37																						

Economic Analysis (JD @ 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
Local Components			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
Duty & Taxes			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Costs			0	0	0	666,667	666,667	666,667	0	2,333,333	2,333,333	2,333,333	2,333,333	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	2,066,667	2,066,667	2,066,667
Operative Costs			0	0	0	666,667	1,333,334	2,000,001	2,900,001	3,800,001	4,533,334	6,466,667	8,800,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	9,000,000	11,066,667	13,133,334	15,200,001
D & M Costs			0	0	0	0	0	0	100,000	100,000	100,000	100,000	100,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
Total Costs			0	0	0	666,667	666,667	666,667	100,000	100,000	2,433,333	2,433,333	2,433,333	450,000	450,000	450,000	450,000	450,000	450,000	450,000	2,516,667	2,516,667	2,516,667
Revenues			0																				