

SUPPORTING REPORT
FOR

CHAPTER 8
Evaluation of Proposed
Management Plans

Supporting Report for Chapter 8

“Evaluation of Proposed Management Plans”

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ANNEX to 8.1

Economic and Financial

Evaluation

Estimation of Unit Revenue of Water

I. Municipal Water

1. Amman

(1) Water

Water Tariff

Consumption of Water (m ³ /Quarter)	Charges (JD)
0 - 20	C=3.6
21 - 40	$C=(0.001 \times Q + 0.16) \times Q$
41 - 100	$C=(0.01083 \times Q - 0.2333) \times Q$
> 100	$C=0.85 \times Q$

Estimation of Unit Water Revenue

Consumption of Water (m ³ /Quarter)	Consumption of Water (m ³)	Revenue (JD)
0-10	712,453	535,338
11-20	2,890,302	638,795
21-30	5,225,515	971,903
31-40	5,907,647	1,157,015
41-50	5,386,587	1,411,028
51-60	3,984,795	1,464,071
61-70	2,950,520	1,401,907
71-80	2,162,130	1,260,052
81-90	1,502,688	1,037,566
91-100	1,212,439	974,756
101-110	815,792	693,423
111-120	655,620	557,277
121-130	493,997	419,897
131-140	375,427	319,113
141-150	340,491	289,417
>150	2,495,780	2,121,413
Total	37,112,183	15,252,973

$$15,252,973(\text{JD})/37,112,183(\text{m}^3)=411 \text{ (fils/m}^3\text{)}$$

(2) Wastewater

Wastewater Tariff

Consumption of Water (m ³ /Quarter)	Charges (JD)
0 - 20	C=0.9
21 - 40	$C=(0.00075 \times Q + 0.03) \times Q$
41 - 130	$C=(0.004833 \times Q - 0.13333) \times Q$
> 130	$C=0.85 \times Q$

Estimation of Unit Wastewater Revenue

Consumption of Water (m ³ /Quarter)	Consumption of Water (m ³)	Revenue (JD)
0-10	604,229	112,100
11-20	2,378,418	132,328
21-30	4,140,936	204,587
31-40	4,768,490	270,995
41-50	4,406,701	384,674
51-60	3,276,317	440,603
61-70	2,404,102	438,880
71-80	1,742,355	401,936
81-90	1,197,042	333,686
91-100	929,667	305,859
101-110	633,827	221,839
111-120	505,071	176,775
121-130	380,078	133,027
131-140	282,407	98,842
141-150	255,779	89,523
>150	1,823,448	638,207
Total	29,728,867	4,383,861

$$4,383,861(\text{JD})/29,728,867(\text{m}^3)=147 \text{ (fils/m}^3\text{)}$$

2. Outside Amman

(1) Water

Water Tariff

Consumption of Water (m ³ /Quarter)	Charges (JD)
0 - 20	C=2.0
21 - 40	C=(0.0025xQ+0.05)xQ
41 - 130	C=(0.007777xQ-0.1611)xQ
> 130	C=0.85xQ

Estimation of Unit Water Revenue

Consumption of Water (m ³ /Quarter)	Consumption of Water (m ³)	Revenue (JD)
0-10	2,890,180	289,018
11-20	3,982,840	398,284
21-30	6,515,115	753,648
31-40	8,596,843	1,207,928
41-50	8,956,478	1,774,274
51-60	6,394,885	1,239,248
61-70	4,586,516	1,599,997
71-80	3,256,118	1,386,444
81-90	2,173,825	1,091,835
91-100	1,807,029	1,058,806
101-110	1,040,634	683,993
111-120	764,906	563,178
121-130	557,920	453,993
131-140	432,268	367,428
141-150	362,226	307,892
>150	3,080,339	2,618,288
Total	55,398,122	16,294,254

$$16,294,254(\text{JD})/55,398,122(\text{m}^3)=294 \text{ (fils/m}^3\text{)}$$

(2) Wastewater

Wastewater Tariff

Consumption of Water (m ³ /Quarter)	Charges (JD)
0 - 20	C=0.9
21 - 40	C=(0.00075xQ+0.03)xQ
41 - 130	C=(0.003222xQ-0.06888)xQ
> 130	C=0.35xQ

Estimation of Unit Wastewater Revenue

Consumption of Water (m ³ /Quarter)	Consumption of Water (m ³)	Revenue (JD)
0-10	347,008	57,792
11-20	1,321,075	72,996
21-30	2,402,044	118,936
31-40	2,989,244	170,151
41-50	2,967,984	233,795
51-60	2,201,569	241,675
61-70	1,595,500	226,290
71-80	1,147,969	199,559
81-90	766,709	157,707
91-100	582,993	139,692
101-110	347,297	93,771
111-120	251,743	76,155
121-130	178,557	59,739
131-140	130,922	45,823
141-150	107,288	37,551
>150	1,196,669	418,834
Total	18,534,571	2,350,465

2,350,465(JD)/18,534,571(m³)=147 (fils/m³)

Sources: WAJ

II. Industrial Water

Water Tariff: 1 JD/m³

Sources: WAJ

III. Irrigation Water

1. Average Price of Irrigation Water (Jordan Valley)

Item	Code	1998	1999	2000*
Volume of Water Supplied (m ³)	A	219,428,237	164,304,779	109,945,789
Volume of Water Sold (m ³)	B	142,019,361	115,438,686	72,910,673
Amount of Water Billed (JD)	C	1,602,681	1,178,674	745,290
Amount of Water Collected (JD)	D	1,207,874	902,460	474,810
B/A	E	64.7%	70.3%	66.3%
D/C	F	75.4%	76.6%	63.7%
Collection Rate	ExF	48.8%	53.8%	42.2%
Average Water Price (Billing Basis) (Fils/m ³)	C/Bx1,000	11.3	10.2	10.2
Average Water Price (Collection Basis) (Fils/m ³)	D/Bx1,000	8.5	7.8	6.5

Note: * = January to August

2. Irrigation Water Tariff (as of Aug., 2000)

Range of Consumption (m ³)	Tariff (Fils/m ³)
0 to 2,500	8
2,501 to 3,500	15
3,501 to 4,500	20
4,501 and more	30

Note: In case irrigation water is used on the farm land of more than 35 dunums, a higher charge will be imposed.

Source: JVA

IV. Treated Wastewater for Irrigation Use

Treated Wastewater Tariff: 10 Fils/m³

Sources: JVA

Estimation of Unit Benefit of Water

1. Municipal Water

1) Preconditions:

Current country-wide average per capita per day consumption of municipal water: 102 l

Average number of household members: 5

Current country-wide average monthly household income: 281 JD

Maximum payment for water as percentage of income: 4%

2) Calculation processes:

Monthly water consumption per household = $102 \times 5 \times 30 / 1000 = 15.3 \text{ m}^3$

Maximum monthly payment for water per household = $281 \times 0.04 = 11.24 \text{ JD}$

Unit benefits of municipal water = $11.24 / 15.3 \times 1000 = 735 \text{ Fils}$

2. Industrial Water

1) Preconditions:

Industrial gross output, 1998: 491.9 million JD (1985 prices)

GDP deflator from 1985 to 2000: 2.17

Country-wide consumption of industrial water, 1998: 38.95 MCM

Contribution rate of water to industrial gross output: 10%

2) Calculation processes:

Industrial gross output, 1998 at 2000 prices = $491.9 \times 2.17 = 1,067.4 \text{ million JD}$

Unit benefits of industrial water = $1,067.4 / 38.95 \times 0.1 \times 1000 = 2,740 \text{ Fils}$

3. Irrigation Water

1) Preconditions:

Average annual agricultural gross output, 1993-1997: 140.8 million JD (1985 prices)

GDP deflator from 1985 to 2000: 2.17

Average annual consumption of irrigation water, 1993-1997: 647 MCM

Contribution rate of irrigation water to agricultural gross output: 60%

2) Calculation processes:

Estimated agricultural gross output, 1998 at 2000 prices = $140.8 \times 2.17 = 305.5 \text{ million JD}$

Unit benefits of irrigation water = $305.5 / 647 \times 0.6 \times 1000 = 283 \text{ Fils}$

Sources: Statistical Yearbook 1998 (DOS), Results of Socio-Economic Questionnaire Survey by JICA, World Bank

4. Sewage

1) Preconditions:

Current country-wide average per capita per day consumption of municipal water: 102 l

Average number of household members: 5

Current country-wide average monthly household income: 281 JD

Maximum payment for sewage as percentage of income: 2%

2) Calculation processes:

Monthly water consumption per household = $102 \times 5 \times 30 / 1000 = 15.3 \text{ m}^3$

Maximum monthly payment for sewage per household = $281 \times 0.02 = 5.62 \text{ JD}$

Unit benefits of sewage = $5.62 / 15.3 \times 1000 = 368 \text{ Fils}$

5. Treated Wastewater for Irrigation Use

Treated wastewater is now used for restricted agriculture. Since its use is confined to certain groups of agricultural crops, its unit benefits is assumed to be 50% of those of irrigation water. That is:

Unit benefits of treated wastewater for irrigation use = $283 \text{ Fils} / 2 = 142 \text{ Fils}$

Average annual agricultural gross output, 1993-1997: 140.8 million JD (1985 prices)

ANNEX to 8.1.1
Surface Water Development

Transfer Line: Abu Alanda - Khaz

Hydraulic Analysis (Thousand m³/yr)

Item	Allocation	2000	2011	2022	2113	2024	2105	2026	2107	2028	2029	2110	2031	2032	2033	2034	2035	2116	2037	2118	2039	2040
Water Produced		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	21,000	22,011	21,000	20,010	19,000	18,110
Saved		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Municipal Water	1.00	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	21,000	22,011	21,000	20,010	19,000	18,110
Physical Losses (%)		0.24	0.23	0.22	0.21	0.21	1.10	0.19	1.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	1.15	0.15	0.15	0.15	0.15
Physical Losses		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	3,450	3,311	3,150	3,010	2,850	2,710
Administrative/Managerial Losses (%)		0.21	0.19	0.16	0.14	0.12	1.10	0.09	1.18	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	1.15	0.05	0.05	0.05	0.05
Administrative/Managerial Losses		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	1,150	1,111	1,050	1,010	950	910
Quantity Delivered		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	19,550	18,701	17,850	17,010	16,150	15,400
Quantity Whose Bills are Collected		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	18,400	17,611	16,800	16,010	15,200	14,410
Industrial Water	0.00	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Physical Losses (%)		0.24	0.23	0.22	0.21	0.21	1.10	0.19	1.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	1.15	0.15	0.15	0.15	0.15
Physical Losses		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Administrative/Managerial Losses (%)		0.21	0.19	0.16	0.14	0.12	1.10	0.09	1.18	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	1.15	0.05	0.05	0.05	0.05
Administrative/Managerial Losses		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Quantity Delivered		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Quantity Whose Bills are Collected		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Irrigation Water	0.00	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Physical Losses (%)		0.24	0.23	0.22	0.21	0.21	1.10	0.19	1.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	1.15	0.15	0.15	0.15	0.15
Physical Losses		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Administrative/Managerial Losses (%)		0.21	0.19	0.16	0.14	0.12	1.10	0.09	1.18	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	1.15	0.05	0.05	0.05	0.05
Administrative/Managerial Losses		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Quantity Delivered		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Quantity Whose Bills are Collected		0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0

Financial Analysis (Thousand JD at 2000 Prices)

Item	Percent	Amount	2000	2011	2002	2013	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Costs																							
Local Components	30%	3,561	1	0	1	0	0	0	0	0	0	0	0	1	0	1,137	2,374	1	0	0	0	0	0
Foreign Components	70%	5,155	1	0	1	0	0	0	0	0	0	0	0	1	0	2,785	5,570	1	0	0	0	0	0
Duty & Taxes	0%	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
Total Capital Costs		11,516	1	0	1	0	0	0	0	0	0	0	0	1	0	3,972	7,944	1	0	0	0	0	0
Cumulative Costs			1	0	1	0	0	0	0	0	0	0	0	1	0	3,972	11,916	11,916	11,916	11,916	11,916	11,916	11,916
O & M Costs			1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	2,783	2,663	2,543	2,423	2,313	2,183
Total Costs			1	0	1	0	0	0	0	0	0	0	0	1	0	3,972	7,944	2,783	2,663	2,543	2,423	2,313	2,183
Revenues																							
Municipal Usage Qty (Thousand m³)			0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	18,400	17,611	16,800	16,010	15,200	14,410
Municipal Tariff (JD/m³)			1.194	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	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 (Thousand JD)			0	1	0	1	0	0	0	0	0	0	0	1	0	1	5,410	5,174	4,939	4,704	4,469	4,234	4,000
Industrial Usage Qty (Thousand m³)			0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Industrial Tariff (JD/m³)			1.600	1.001	1.000	1.001	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 Revenues (Thousand JD)			0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
Irrigation Usage Qty (Thousand m³)			0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0
Irrigation Tariff (JD/m³)			0.011	0.010	0.011	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
Irrigation Revenues (Thousand JD)			0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
Total Revenues (Thousand JD)			0	1	0	1	0	0	0	0	0	0	0	1	0	1	5,410	5,174	4,939	4,704	4,469	4,234	4,000
Net Cash Flow (Thousand JD)			0	1	0	1	0	0	0	0	0	0	0	0	1	-3,972	-7,944	-2,627	-2,513	-2,396	-2,281	-2,166	-2,051
Discounting (DR=6.5%)			0.93197	0.88161	0.82785	0.77732	0.72988	0.68513	0.64351	0.60423	0.56735	0.53273	0.50021	0.46968	0.44102	0.41410	0.38883	0.36510	0.34211	0.32039	0.30024	0.28130	0.26468
Total Qty Whose Bills are Collected (T m³)			0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	18,400	17,611	16,800	16,010	15,200	14,410
FIRR																							
NPV (Thousand JD)	18%		0	1	0	1	0	0	0	0	0	0	0	0	1	-1,645	-3,039	959	861	771	689	615	546
FV of Total Costs (Thousand JD)			0	1	0	1	0	0	0	0	0	0	0	0	1	1,645	3,039	1,016	913	819	732	654	582
FV of Total Bills Collected Qty (T m³)			0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	6,713	6,034	5,408	4,836	4,314	3,837
Unit Water Price (P/m³)			214																				

Economic Analysis (Thousand JD at 2000 Prices)

Item	Percent	Amount	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Costs													
Local Components	30%	1,561	0	0	0	0	0	0	0	0	0	0	0
Foreign Components	70%	8,355	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
Total Capital Costs		11,916	0	0	0	0	0	0	0	0	0	0	0
Cumulative Costs			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
Total Costs			0	0	0	0	0	0	0	0	0	0	0
Benefits													
Municipal Usage Qty (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0
Unit Benefits of Municipal Water (JD/m ³)			0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735
Municipal Benefits (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0
Industrial Usage Qty (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0
Unit Benefits of Industrial Water (JD/m ³)			2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740
Industrial Benefits (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0
Irrigation Usage Qty (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0
Unit Benefits of Irrigation Water (JD/m ³)			0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283
Irrigation Benefits (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0
Total Benefits (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0
Net Cash Flow (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0
Discounting (DR=10%)			0.90909	0.82645	0.75131	0.68301	0.62092	0.56447	0.51316	0.46651	0.42410	0.38554	0.35049
Total Qty Delivered (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0
EBR													
NPV (Thousand JD)	73%	12,382	0	0	0	0	0	0	0	0	0	0	0
PV of Total Costs (Thousand JD)		8,481	0	0	0	0	0	0	0	0	0	0	0
PV of Total Qty Delivered (Thousand m ³)		36,548	0	0	0	0	0	0	0	0	0	0	0
Unit Water Price (JD/m ³)		232											

Note: Water production cost of 150 fils per m³ was added to the O & M cost.

Transfer Line: Zafra - Khaw

Hydraulic Analysis (Thousand 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30,010
Speed		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Municipal Water	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30,010
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,500
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Losses		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,500
Quantity Delivered		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,510
Quantity Whose Bills are Collected		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24,010
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
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	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	0.16	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/Managerial Losses		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
Quantity Whose Bills are Collected		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Irrigation Water	0.00	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	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	0.16	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/Managerial Losses		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
Quantity Whose Bills are Collected		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Financial Analysis (Thousand 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
Costs																							
Local Components	32%	3,804	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,402	4,402	0
Foreign Components	68%	13,764	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,382	9,382	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
Total Capital Costs		27,568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,784	13,784	0
Cumulative Costs			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,784	27,568	27,568
O & M Costs			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,733
Total Costs			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,784	13,784	3,733
Revenues																							
Municipal Usage Qty (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24,010
Municipal Tariff (JD/m ³)			0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	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 (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,056
Industrial Usage Qty (Thousand 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)			1,000	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 Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Irrigation Usage Qty (Thousand m ³)			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 ³)			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	0.010	0.010
Irrigation Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,056
Net Cash Flow (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-13,784	-13,784	3,323
Discounting (DF=0.2%)			0.93897	0.88166	0.82785	0.77732	0.72948	0.68333	0.64051	0.60023	0.56235	0.52675	0.50021	0.46966	0.44102	0.41410	0.38882	0.36510	0.34281	0.32189	0.30224	0.28389	0.26648
Total Qty Whose Bills are Collected (T m ³)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24,010
FIRR	11%																						
NPV (Thousand JD)		3,943	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-4,166	-3,913	886
PV of Total Costs (Thousand JD)		21,581	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,166	3,913	995
PV of Total Bills Collected Qty (T m ³)		56,818	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,395
Unit Water Price (T/m ³)		249																					

Economic Analysis (Thousand 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
Costs																							
Local Components	12%	1,804	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,481	4,402	0
Foreign Components	68%	11,764	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9,382	9,382	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
Total Capital Costs		27,568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,794	13,784	0
Cumulative Costs			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,794	27,568	27,568
O & M Costs			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,935
Total Costs			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,794	13,784	1,935
Benefits																							
Municipal Usage Qty (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,500
Unit Benefits of Municipal Water (JD/m ³)			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 (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,743
Industrial Usage Qty (Thousand m ³)			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 ³)			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 (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Irrigation Usage Qty (Thousand m ³)			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 ³)			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 (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Benefits (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18,743
Net Cash Flow (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-13,784	-13,784	14,785
Discounting (DR=10%)			0.90909	0.82645	0.75131	0.68301	0.62092	0.56447	0.51316	0.46651	0.42410	0.38554	0.35049	0.31863	0.28946	0.26353	0.23939	0.21763	0.19784	0.17946	0.16301	0.14864	0.13513
Total Qty Delivered (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25,500
NPV	44%																						
NPV (Thousand JD)	16,150		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2,254	-2,049	1,998
PV of Total Costs (Thousand JD)	9,778		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,254	2,049	535
PV of Total Qty Delivered (Thousand m ³)	35,236		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,446
Unit Water Price (F/kwh)	277																						

Note: Water production cost of 150 fils per m3 was added to the O & M cost.

Transfer Line: KM124 - Zorah

Hydraulic Analysis (Thousand m³/yr)

Item	Allocation	2000	2011	2022	2103	2024	2025	2026	2027	2108	2029	2030	2031	2032	2133	2034	2035	2036	2037	2138	2039	2100
Water Produced		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	19,880
Saved		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Municipal Water	1.00	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	19,880
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	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	2,950
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Losses		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	950
Quantity Delivered		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	16,150
Quantity Whose Bills are Collected		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	15,180
Industrial Water	0.00	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	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	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Losses		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Quantity Delivered		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Quantity Whose Bills are Collected		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Irrigation Water	0.00	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	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	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Losses		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Quantity Delivered		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Quantity Whose Bills are Collected		0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0

Financial Analysis (Thousand JD at 2000 Prices)

Item	Percent	Amount	2000	2011	2022	2103	2024	2025	2026	2027	2108	2029	2030	2031	2032	2133	2034	2035	2036	2037	2138	2039	2100
Costs																							
Local Components	36%	5,344	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	2,672	2,672	0
Foreign Components	64%	9,359	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	4,679	4,679	0
Duty & Taxes	0%	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0
Total Capital Costs		14,703	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	7,352	7,352	0
Operative Costs			0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	7,352	14,703	14,703
O & M Costs			0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	1,802
Total Costs			0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	7,352	7,352	1,802
Revenues																							
Municipal Usage Qty (Thousand m ³)			0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	15,180	
Municipal Tariff (JD/m ³)			1.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	1.294
Municipal Revenues (Thousand JD)			0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	4,469	
Industrial Usage Qty (Thousand m ³)			0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	
Industrial Tariff (JD/m ³)			1.800	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	1.800
Industrial Revenues (Thousand JD)			0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	
Irrigation Usage Qty (Thousand m ³)			0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	
Irrigation Tariff (JD/m ³)			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	0.010	0.010
Irrigation Revenues (Thousand JD)			0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	
Total Revenues (Thousand JD)			0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	4,469
Net Cash Flow (Thousand JD)			0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	-7,352	-7,352	1,867
Discounting (DR=6.2%)			0.93197	0.86166	0.82785	0.77732	0.72988	0.68533	0.64351	0.60423	0.56775	0.53273	0.50021	0.46969	0.44102	0.41418	0.38883	0.36510	0.34281	0.32189	0.30224	0.28380	0.26646
Total Qty Whose Bills are Collected (T m ³)			0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	15,180	
FER	10%																						
NPV (Thousand JD)			1,712	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	-2,222	-2,086	444
PV of Total Costs (Thousand JD)			14,443	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	2,222	2,086	747
PV of Total Bills Collected Qty (T m ³)			54,915	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	4,150
Unit Water Price (P\$/m ³)			263																				

Economic Analysis (Thousand 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
Costs																							
Local Components	30%	5,144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,672	2,672	0
Foreign Components	64%	9,159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,679	4,679	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
Total Capital Costs		14,703	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,352	7,352	0
Operational Costs			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,352	14,703	14,703
O & M Costs			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,944
Total Costs			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,352	7,152	2,944
Benefits																							
Municipal Usage Qty (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,150
Unit Benefits of Municipal Water (JD/m ³)			8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735	8.735
Municipal Benefits (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,870
Industrial Usage Qty (Thousand m ³)			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 ³)			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 (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Irrigation Usage Qty (Thousand m ³)			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 ³)			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 (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Benefits (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,870
Net Cash Flow (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-7,152	-7,352	8,926
Discounting (DR=18%)			0.90919	0.76945	0.65131	0.54801	0.46092	0.38647	0.32314	0.26951	0.22410	0.18754	0.15649	0.13043	0.10866	0.09033	0.07539	0.06271	0.05204	0.04301	0.16151	0.14064	0.13513
Total Qty Delivered (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,150
Financial Indicators																							
EIRR	49%																						
NPV (Thousand JD)	10,153		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1,202	-1,093	1,206
PV of Total Costs (Thousand JD)	6,168		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,202	1,093	396
PV of Total Qty Delivered (Thousand m ³)	22,141		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,182
Unit Water Price (JD/m ³)	285																						

Note: Water production cost of 150 fils per m3 was added to the O & M cost.

Transfer Line: Homs - Zafra

Hydraulic Analysis (Thousand m³/yr)

Item	Allocation	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Water Produced		0	0	0	0	0	0	0	0	0	0	20,000
Saved		0	0	0	0	0	0	0	0	0	0	0
Municipal Water	1.00	0	0	0	0	0	0	0	0	0	0	20,000
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	0	0	0	0	0	0	0	0	0	3,000
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	0	0	0	0	0	0	0	0	0	1,000
Quantity Delivered		0	0	0	0	0	0	0	0	0	0	17,000
Quantity Whose Bills are Collected		0	0	0	0	0	0	0	0	0	0	16,000
Industrial Water	0.00	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	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Quantity Delivered		0	0	0	0	0	0	0	0	0	0	0
Quantity Whose Bills are Collected		0	0	0	0	0	0	0	0	0	0	0
Irrigation Water	0.00	0	0	0	0	0	0	0	0	0	0	0
Physical Losses (%)		0.34	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15
Physical Losses		0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Quantity Delivered		0	0	0	0	0	0	0	0	0	0	0
Quantity Whose Bills are Collected		0	0	0	0	0	0	0	0	0	0	0

Financial Analysis (Thousand JD at 2000 Prices)

Item	Percent	Amount	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Costs													
Local Components	30%	3,856	0	0	0	0	0	0	0	0	0	0	0
Foreign Components	70%	30,735	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
Total Capital Costs		29,621	0	0	0	0	0	0	0	0	0	0	0
Operating Costs			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
Total Costs			0	0	0	0	0	0	0	0	0	0	0
Revenues													
Municipal Usage Qty (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	16,000
Municipal Tariff (JD/m ³)			0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294
Municipal Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	4,704
Industrial Usage Qty (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0
Industrial Tariff (JD/m ³)			1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Industrial Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0
Irrigation Usage Qty (Thousand m ³)			0	0	0	0	0	0	0	0	0	0	0
Irrigation Tariff (JD/m ³)			0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Irrigation Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0
Total Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	4,704
Net Cash Flow (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0
Discounting (C=6% %)			0.93897	0.88166	0.82785	0.77732	0.72988	0.68553	0.64351	0.60423	0.56735	0.53275	0.50021
Total Qty Whose Bills are Collected (T m ³)			0	0	0	0	0	0	0	0	0	0	16,000
IRR													
NPV (Thousand JD)	10%	2,411	0	0	0	0	0	0	0	0	0	0	604
PV of Total Costs (Thousand JD)		14,609	0	0	0	0	0	0	0	0	0	0	651
PV of Total Bills Collected Qty (T m ³)		57,879	0	0	0	0	0	0	0	0	0	0	4,264
Unit Water Price (Flotta ³)		252											