

Rural Res. Wastewater Infrastructure																							
Hydraulic Analysis (M <sup>3</sup> /yr)																							
Item	Adoption	2080	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2077	2018	2019	2020	
Water Produced		0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.1	1.1	1.1	1.3	1.3	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.6	
Maximum Water	1.00	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.1	1.1	1.1	1.3	1.3	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.6	
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	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
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	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Quantity Delivered		0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	
Quantity Where Bills are Collected		0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.2	1.3	
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	0.23	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	0.0	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	0.0	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	
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	
Financial Analysis (M JD at 2080 Prices)																							
Item	Percent	Amount	2080	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2077	2018	2019	2020
Cash																							
Local Components	27%	1.0	0.0	0.5	0.5	0.5	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	
Foreign Components	73%	4.4	0.0	1.5	1.5	1.5	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	0.0	0.0	0.0	
Duty & Taxes	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	
Total Capital Costs	6.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	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	2.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	
O & M Costs		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Total Costs		0.0	2.0	2.0	2.0	2.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Revenue																							
Municipal Usage Qty (M m3)		0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	
Municipal Tariff (JD/m3)	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	
Municipal Revenue (M JD)		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Industrial Usage Qty (M 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	
Industrial Tariff (JD/m3)	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	
Industrial Revenue (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 Revenue (M JD)		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Net Cash Flow (M JD)		0.0	-2.0	-2.0	-2.0	-2.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Discounting (JD/m3-yr)	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	0.93897	
Total Qty Where Bills are Collected (M m3)		0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	
EIRR																							
NPV (M JD)	-4.1	0.0	-1.0	-1.7	-1.6	0.0	0.0	0.0	0.0	0.0	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 (M JD)	5.6	0.0	1.0	1.7	1.6	0.0	0.0	0.0	0.0	0.0	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 Collected (M m3)	9.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	
Unit Water Price (JD/m3)	965																						
Economic Analysis (USD at 2080 Prices)																							
Item	Percent	Amount	2080	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2077	2018	2019	2020
Cash																							
Local Components	27%	1.6	0.0	0.5	0.5	0.5	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	
Foreign Components	73%	4.4	0.0	1.5	1.5	1.5	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	0.0	0.0	0.0	
Duty & Taxes	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	
Total Capital Costs	6.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	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	2.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	
O & M Costs		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Total Costs		0.0	2.0	2.0	2.0	2.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Revenue																							
Municipal Usage Qty (m3)		0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.4	
Unit Benefit of Municipal Water (JD/m3)	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	
Municipal Revenue (JD)		0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	
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	
Unit Benefit of Industrial Water (JD/m3)	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	2.740	
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Revenue (JD)		0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	
Net Cash Flow (JD)		0.0	-2.0	-2.0	-2.0	-2.0	0.0	0.0	0.0	0.0	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 (JD/m3-yr)	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	0.80068	
Total Qty Delivered (m3)		0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.4	
EIRR																							
NPV (JD)	-2.5	0.0	-1.7	-1.5	-1.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
PV of Total Costs (JD)	4.9	0.0	1.7	1.5	1.4	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	
PV of Total Qty Delivered (m3)	6.6	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Unit Water Price (JD/m3)	760																						

**Rosetta WWTW Upgrading & Expansion  
Hydraulic Analysis (M<sup>3</sup>/yr)**

Item	Allocation	2008	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Water Produced		8.0	0.0	8.0	0.8	1.0	1.8	1.1	1.1	1.1	1.2	1.2
Municipal Water	1.00	8.0	0.0	8.0	0.8	1.0	1.8	1.1	1.1	1.1	1.2	1.2
Physical Losses (%)		0.24	0.23	0.22	0.21	0.21	0.19	0.18	0.17	0.16	0.15	0.15
Physical Losses		8.0	0.0	8.0	0.8	8.2	0.2	8.2	0.2	8.2	0.2	8.2
Administrative/Managerial Losses (%)		0.21	0.19	0.18	0.14	0.12	0.18	0.09	0.08	0.07	0.05	0.05
Administrative/Managerial Losses		8.0	0.0	8.0	0.8	8.1	0.1	8.1	0.1	8.1	0.1	8.1
Quantity Delivered		8.0	0.0	8.0	0.8	8.8	0.8	8.9	0.9	8.9	1.0	8.9
Quantity Whose Bills are Collected		8.0	0.0	8.0	0.8	8.7	0.7	8.8	0.8	8.8	0.9	8.8
Industrial Water	1.00	8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Physical Losses (%)		0.24	0.23	0.22	0.21	0.21	0.19	0.18	0.17	0.16	0.15	0.15
Physical Losses		8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Administrative/Managerial Losses (%)		0.21	0.19	0.18	0.14	0.12	0.18	0.09	0.08	0.07	0.05	0.05
Administrative/Managerial Losses		8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Quantity Delivered		8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Quantity Whose Bills are Collected		8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0

**Financial Analysis (M JD on 2000 Prices)**

Item	Percent	Amount	2008	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Costs													
Local Components	30%	1.2	8.0	0.6	8.4	0.2	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Foreign Components	80%	4.8	8.0	2.4	1.6	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Duty & Taxes	0%	0.0	8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Total Capital Costs		6.0	8.0	3.0	2.0	1.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Capital Costs			8.0	3.0	5.0	6.8	8.0	6.8	8.0	6.8	8.0	6.8	8.0
O & M Costs			8.0	0.0	8.0	0.8	8.1	0.1	8.1	0.1	8.1	0.1	8.1
Total Costs			8.0	3.0	2.0	1.8	8.1	0.1	8.1	0.1	8.1	0.1	8.1
Revenues													
Municipal Usage Qty (M m <sup>3</sup> )			8.0	0.0	8.0	0.8	8.7	0.7	8.8	0.8	8.8	0.8	8.8
Municipal Tariff (JD/m <sup>3</sup> )			0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
Municipal Revenues (M JD)			8.0	0.0	8.0	0.8	8.1	0.1	8.1	0.1	8.1	0.1	8.1
Industrial Usage Qty (M m <sup>3</sup> )			8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Industrial Tariff (JD/m <sup>3</sup> )			1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088
Industrial Revenues (M JD)			8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Total Revenues (M JD)			8.0	0.0	8.0	0.8	8.1	0.1	8.1	0.1	8.1	0.1	8.1
Net Cash Flow (M JD)			8.0	-3.0	-2.0	-1.8	8.0	0.8	8.1	0.1	8.1	0.1	8.1
Discounting (Df=6.5%)			8.9389	0.8816	0.8285	0.7772	0.7288	0.6833	0.6413	0.5975	0.5523	0.5082	0.4659
Total Qty Whose Bills are Collected (M m <sup>3</sup> )			8.0	0.0	8.0	0.8	8.7	0.7	8.8	0.8	8.8	0.8	8.8
EBIT													
NPV (M JD)			8.0	-2.6	-1.7	-0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
PV of Total Costs (M JD)			8.0	2.6	1.7	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
PV of Total Bills Collected Qty (M m <sup>3</sup> )			8.0	0.0	8.0	0.8	8.5	0.5	8.5	0.5	8.5	0.5	8.5
Unit Water Price (Fishes)			575										

**Economic Analysis (JD on 2000 Prices)**

Item	Percent	Amount	2008	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Costs													
Local Components	30%	1.2	8.0	0.6	8.4	0.2	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Foreign Components	80%	4.8	8.0	2.4	1.6	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Duty & Taxes	0%	0.0	8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Total Capital Costs		6.0	8.0	3.0	2.0	1.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Capital Costs			8.0	3.0	5.0	6.8	8.0	6.8	8.0	6.8	8.0	6.8	8.0
O & M Costs			8.0	0.0	8.0	0.8	8.1	0.1	8.1	0.1	8.1	0.1	8.1
Total Costs			8.0	3.0	2.0	1.8	8.1	0.1	8.1	0.1	8.1	0.1	8.1
Revenues													
Municipal Usage Qty (m <sup>3</sup> )			8.0	0.0	8.0	0.8	8.8	0.8	8.9	0.9	8.9	0.9	8.9
Unit Revenue of Municipal Water (JD/m <sup>3</sup> )			0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368
Municipal Revenues (JD)			8.0	0.0	8.0	0.8	8.5	0.1	8.5	0.4	8.4	0.4	8.5
Industrial Usage Qty (m <sup>3</sup> )			8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Unit Revenue 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
Industrial Revenues (JD)			8.0	0.0	8.0	0.8	8.0	0.8	8.0	0.8	8.0	0.8	8.0
Total Revenues (JD)			8.0	0.0	8.0	0.8	8.5	0.1	8.5	0.4	8.4	0.4	8.5
Net Cash Flow (JD)			8.0	-3.0	-2.0	-1.8	8.2	0.2	8.3	0.3	8.3	0.3	8.4
Discounting (Df=6.5%)			8.9809	0.8285	0.7713	0.7288	0.6833	0.6413	0.5975	0.5523	0.5082	0.4659	0.4235
Total Qty Delivered (m <sup>3</sup> )			8.0	0.0	8.0	0.8	8.8	0.8	8.9	0.9	8.9	0.9	8.9
EBIT													
NPV (JD)			8.0	-2.5	-1.5	-0.7	8.1	0.1	8.1	0.1	8.1	0.1	8.1
PV of Total Costs (JD)			8.0	2.5	1.5	0.7	8.0	0.8	8.0	0.8	8.0	0.8	8.0
PV of Total Qty Delivered (m <sup>3</sup> )			8.0	0.0	8.0	0.8	8.5	0.5	8.5	0.4	8.4	0.4	8.5
Unit Water Price (Fishes)			565										

## South Amman Wastewater Project Phase 1 - Stage 2

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

Item	Allocation	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Water Produced		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
Municipal Water	1.80	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
Physical Losses (%)		8.24	8.22	8.22	8.21	8.21	8.19	8.18	8.17	8.16	8.15	8.15	8.15	8.15
Physical Losses		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
Administrative/Managerial Losses (%)		8.21	8.19	8.18	8.16	8.14	8.12	8.10	8.08	8.07	8.06	8.05	8.05	8.05
Administrative/Managerial Losses		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
Quantity Delivered		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
Quantity Where Bills are Collected		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
Industrial Water	0.80	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
Physical Losses (%)		8.24	8.22	8.22	8.21	8.21	8.19	8.18	8.17	8.16	8.15	8.15	8.15	8.15
Physical Losses		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
Administrative/Managerial Losses (%)		8.21	8.19	8.18	8.16	8.14	8.12	8.10	8.08	8.07	8.06	8.05	8.05	8.05
Administrative/Managerial Losses		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
Quantity Delivered		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
Quantity Where Bills are Collected		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

## Financial Analysis (M JD at 2000 Prices)

Item	Percent	Amount	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Costs															
Local Components	28%	14.0	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
Foreign Components	88%	56.0	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
Day & Taxes	8%	4.0	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
Total Capital Costs		76.0	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
Contingency Costs			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
O & M Costs			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
Total Costs			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
Revenues															
Municipal Usage Qty (M m <sup>3</sup> )			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
Municipal Tariff (JD/m <sup>3</sup> )			0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
Municipal Revenues (M JD)			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
Industrial Usage Qty (M m <sup>3</sup> )			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
Industrial Tariff (JD/m <sup>3</sup> )			1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088
Industrial Revenues (M JD)			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
Total Revenues (M JD)			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
Net Cash Flow (M JD)			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
Discounting (D=6.5%)			8.93897	8.81166	8.67855	8.54732	8.41888	8.28533	8.14951	8.01623	7.88124	7.74603	7.61054	7.47478	7.33878
Total Qty Where Bills are Collected (M m <sup>3</sup> )			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
EBR															
EBV (M JD)			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
PV of Total Costs (M JD)			48.2	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
PV of Total Qty Collected Qty (M m <sup>3</sup> )			82.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Unit Water Price (JD/m <sup>3</sup> )			582												

## Economic Analysis (JD at 2000 Prices)

Item	Percent	Amount	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Costs															
Local Components	28%	14.0	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
Foreign Components	88%	56.0	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
Day & Taxes	8%	4.0	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
Total Capital Costs		76.0	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
Contingency Costs			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
O & M Costs			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
Total Costs			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
Revenues															
Municipal Usage Qty (m <sup>3</sup> )			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
Unit Benefit of Municipal Water (JD/m <sup>3</sup> )			0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368
Municipal Revenues (JD)			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
Industrial Usage Qty (m <sup>3</sup> )			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
Unit Benefit 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
Industrial Revenues (JD)			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
Total Revenues (JD)			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
Net Cash Flow (JD)			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
Discounting (D=6.5%)			8.98006	8.83645	8.69131	8.54647	8.40140	8.25651	8.11154	7.96654	7.82146	7.67627	7.53098	7.38559	7.24009
Total Qty Delivered (m <sup>3</sup> )			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
EBR															
EBV (JD)			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
PV of Total Costs (JD)			36.7	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
PV of Total Qty Delivered (m <sup>3</sup> )			49.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Unit Water Price (JD/m <sup>3</sup> )			749												

**Module WWT Upgrade and Expansion  
Hydraulic Analysis (M 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	1.0	1.0	1.1	1.1	1.2	1.2	1.3
Municipal Water	1.00	0.0	0.0	0.0	0.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3
Physical Losses (%)		0.24	0.25	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Quantity Delivered		0.0	0.0	0.0	0.0	0.8	0.8	0.9	0.9	1.0	1.0	1.1
Quantity Whose Bills are Collected		0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8	0.9	1.0	1.0
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
Physical Losses (%)		0.24	0.25	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	0.0	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	0.0	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
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	0.0

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

Item	Percent	Assumed	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Costs</b>													
Local Components	10%	0.6	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foreign Components	90%	5.4	0.9	1.8	1.8	0.9	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		6.0	1.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital Costs			1.0	2.0	2.0	1.0	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total Costs			1.0	2.0	2.0	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Revenues</b>													
Municipal Usage Qty (M m³)			0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8	0.9	1.0	1.0
Municipal Tariff (JD/m³)			0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147
Municipal Revenues (M JD)			0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Industrial Usage Qty (M 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)			1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Industrial Revenues (M JD)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Revenues (M JD)			0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Net Cash Flow (M JD)			-1.0	-2.0	-2.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Discounting (DIR=5%)			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Qty Whose Bills are Collected (M m³)			0.0	0.0	0.0	0.0	0.7	0.7	0.8	0.8	0.9	1.0	1.0
<b>NPV</b>													
NPV (M JD)			-0.9	-1.8	-1.8	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV of Total Costs (M JD)			0.0	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV of Total Bills Collected Qty (M m³)			0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Unit Water Price (JD/m³)			592										

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

Item	Percent	Assumed	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Costs</b>													
Local Components	10%	0.6	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foreign Components	90%	5.4	0.9	1.8	1.8	0.9	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		6.0	1.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital Costs			1.0	2.0	2.0	1.0	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total Costs			1.0	2.0	2.0	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Revenues</b>													
Municipal 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 Revenues of Municipal Water (JD/m³)			0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360
Municipal Revenues (JD)			0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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 Revenues of Industrial Water (JD/m³)			2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740
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
Total Revenues (JD)			0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Net Cash Flow (JD)			-1.0	-2.0	-2.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Discounting (DIR=5%)			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Qty Delivered (m³)			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>NPV</b>													
NPV (JD)			-0.9	-1.8	-1.8	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV of Total Costs (JD)			0.0	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PV of Total Qty Delivered (m³)			0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Unit Water Price (JD/m³)			798										

**Upgrading and Expansion of Amman WWTP  
Hydraulic Analysis (M<sup>3</sup>/m<sup>3</sup>/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	17.8	17.5	18.1	18.6	19.2	19.8	20.3	20.9	21.5	22.2	22.8	23.4	24.0	24.7	25.3
Municipal Water	1.00	0.0	0.0	0.0	0.0	0.0	0.0	17.8	17.5	18.1	18.6	19.2	19.8	20.3	20.9	21.5	22.2	22.8	23.4	24.0	24.7	25.3
Physical Losses (%)		0.24	0.23	0.22	0.21	0.21	0.19	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	3.2	3.2	3.1	3.0	2.9	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8
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	1.5	1.4	1.3	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3
Quantity Delivered		0.0	0.0	0.0	0.0	0.0	0.0	15.6	14.4	15.0	15.6	16.3	16.8	17.3	17.8	18.3	18.9	19.4	19.9	20.4	21.0	21.5
Quantity Whose Bills are Collected		0.0	0.0	0.0	0.0	0.0	0.0	12.3	13.8	13.6	14.5	15.4	15.6	16.2	16.7	17.2	17.9	18.2	18.7	19.2	19.6	20.2
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	0.23	0.22	0.21	0.21	0.19	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	0.0	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	0.0	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
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Financial 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 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	0.0	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	0.0	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	
Total Capital Costs		105.0	0.0	0.0	25.0	30.0	25.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Contingency Costs			0.0	0.0	38.0	60.0	85.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	
O & M Costs			0.0	0.0	0.0	0.0	0.0	0.0	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	
Total Costs			0.0	0.0	25.0	30.0	25.0	20.0	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	
<b>Revenues</b>																								
Municipal Usage Qty (M m3)			0.0	0.0	0.0	0.0	0.0	0.0	12.2	13.8	13.8	14.5	15.4	15.8	16.2	16.7	17.2	17.9	18.2	18.7	19.2	19.6	20.2	
Municipal Tariff (JD/m3)			0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	
Municipal Revenues (M JD)			0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	2.0	2.1	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.0	
Industrial Usage Qty (M 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	
Industrial Tariff (JD/m3)			1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	1.084	
Industrial Revenues (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 Revenues (M JD)			0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	2.0	2.1	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.0	
Net Cash Flow (M JD)			0.0	-5.0	-25.0	-30.0	-25.0	-20.0	-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	
Discounting (DPR=5%)			0.03897	0.04166	0.03785	0.03732	0.03688	0.03653	0.04351	0.04242	0.04075	0.03973	0.03901	0.04068	0.04402	0.04140	0.03883	0.04051	0.04288	0.04218	0.04224	0.04080	0.04268	
Total Qty Whose Bills are Collected (M m3)			0.0	0.0	0.0	0.0	0.0	0.0	12.3	13.8	13.8	14.5	15.4	15.8	16.2	16.7	17.2	17.9	18.2	18.7	19.2	19.6	20.2	
<b>EBITDA</b>																								
NPV (M JD)		-95.8	0.0	-4.4	-28.7	-25.3	-18.2	-13.7	-2.2	-2.8	-1.8	-1.7	-1.5	-1.4	-1.3	-1.2	-1.1	-1.0	-0.8	-0.7	-0.7	-0.6	-0.6	
PV of Total Costs (M JD)		124.2	0.0	4.4	28.7	25.3	18.2	13.7	5.4	3.2	3.8	2.8	2.6	2.5	2.3	2.2	2.0	1.8	1.7	1.6	1.5	1.4	1.4	
PV of Total Bills Collected (M m3)		189.2	0.0	0.0	0.0	0.0	0.0	0.0	7.9	7.8	7.8	7.7	7.7	7.4	7.2	6.9	6.7	6.5	6.3	6.0	5.8	5.6	5.4	
Unit Water Price (FJD/m3)		624																						

**Economic Analysis (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 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	0.0	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	0.0	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
Total Capital Costs		105.0	0.0	0.0	25.0	30.0	25.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Contingency Costs			0.0	0.0	38.0	60.0	85.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
O & M Costs			0.0	0.0	0.0	0.0	0.0	0.0	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
Total Costs			0.0	0.0	25.0	30.0	25.0	20.0	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
<b>Revenues</b>																							
Municipal Usage Qty (m3)			0.0	0.0	0.0	0.0	0.0	0.0	12.2	14.4	15.0	15.8	16.3	16.8	17.3	17.8	18.3	18.9	19.4	19.9	20.4	21.0	21.5
Unit Benefits of Municipal Water (JD/m3)			0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368
Municipal Benefits (JD)			0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.3	5.5	5.7	6.0	6.2	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9
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
Unit Benefits of Industrial Water (JD/m3)			1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748	1.748
Industrial Benefits (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 (JD)			0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.3	5.5	5.7	6.0	6.2	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9
Net Cash Flow (JD)			0.0	-5.0	-25.0	-30.0	-25.0	-20.0	-0.2	0.0	0.3	0.5	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7
Discounting (DPR=10%)			0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
Total Qty Delivered (m3)			0.0	0.0	0.0	0.0	0.0	0.0	13.8	14.4	15.0	15.6	16.3	16.8	17.3	17.8	18.3	18.9	19.4	19.9	20.4	21.0	21.5
<b>EBITDA</b>		2%																					
NPV (JD)		-54.1	0.0	-4.1	-18.8	-20.5	-15.5	-11.3	-0.1	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
PV of Total Costs (JD)		97.1	0.0	-4.1	18.8	20.5	15.5	11.3	2.7	2.4	2.3	2.0	1.8	1.7	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.7	0.6
PV of Total Qty Delivered (m3)		116.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 (EBD/m3)		833																					