

Table 9.4.2-16 Financial Plan (Wastewater Reuse) - Depreciation

Depreciation (Annual Depreciation Rate=3%)																						(Unit JD)
Item	Total	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Abu Matar	0	0	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	3,424	4,290	4,290	4,290	4,290	4,290	4,290	4,290	4,290	4,290
Amqla	0	0	0	0	98,623	98,623	98,623	98,623	138,107	138,107	138,107	138,107	138,107	138,107	138,107	186,716	186,716	186,716	186,716	222,339	222,339	222,339
Fahs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	577	577	577	577	577	577
Irbid (Central and Wadi Arab)	0	0	0	0	0	24,297	24,297	24,297	24,297	28,685	28,685	28,685	28,685	28,685	28,685	28,685	28,685	28,685	28,685	28,685	28,685	36,446
Karak	0	0	0	0	0	0	5,043	5,043	5,043	5,043	5,043	5,043	5,043	7,207	7,207	7,207	7,207	7,207	7,207	7,207	7,207	7,207
Kutayfa	0	0	0	0	0	0	0	0	0	0	0	6,825	6,825	6,825	6,825	6,825	6,825	6,825	6,825	6,825	6,825	13,650
Mafan	0	0	0	0	0	0	0	0	0	0	0	0	5,822	5,822	5,822	5,822	5,822	5,822	5,822	5,822	5,822	5,822
Motaba	0	0	0	9,331	9,331	9,331	9,331	9,331	9,331	9,331	9,331	9,331	9,331	9,331	16,527	16,527	16,527	16,527	16,527	16,527	16,527	16,527
Mafraq	0	0	0	0	8,245	8,245	8,245	8,245	8,245	8,245	8,245	8,245	8,245	8,245	8,245	11,610	11,610	11,610	11,610	11,610	11,610	11,610
Rasatha	0	0	0	0	0	0	0	8,365	8,365	8,365	8,365	8,365	8,365	8,365	8,365	8,365	8,365	8,365	8,365	8,365	8,365	15,345
Tafelah	0	0	0	0	0	0	0	0	5,356	5,356	5,356	5,356	5,356	5,356	5,356	5,356	5,356	5,356	5,356	5,356	5,356	9,972
Wadi Arab	0	0	0	0	0	24,297	24,297	24,297	24,297	28,685	28,685	28,685	28,685	28,685	28,685	28,685	28,685	28,685	28,685	28,685	40,834	40,834
Wadi Esir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,287	1,287	1,287	1,287	1,287	1,287
Wadi Haseen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,574	2,574	2,574	2,574	2,574
Wadi Mujib	0	0	0	0	0	0	3,167	3,167	3,167	3,167	3,167	3,167	3,167	3,455	3,455	3,455	3,455	3,455	3,455	3,455	3,455	3,455
Al Jom	0	0	0	8,346	8,346	8,346	8,346	8,346	8,346	8,346	8,346	8,346	8,346	8,346	15,019	15,019	15,019	15,019	15,019	15,019	15,019	15,019
Deir Abi Said	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15,818	15,818	15,818	15,818	15,818	15,818	15,818
Deir Alla	0	0	0	0	18,984	18,984	18,984	18,984	18,984	18,984	18,984	18,984	18,984	18,984	18,984	23,560	23,560	23,560	23,560	23,560	23,560	23,560
Kofar Azmal	0	0	0	0	0	0	0	0	0	0	0	10,624	10,624	10,624	10,624	10,624	10,624	11,759	11,759	11,759	11,759	11,759
Amqla South Coast	0	0	0	0	0	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155	4,155
Maar	0	0	0	0	0	0	0	0	0	0	0	0	4,625	4,625	4,625	4,625	4,625	4,625	5,577	5,577	5,577	5,577
North Queen Alia Airport	0	0	0	0	0	0	12,344	12,344	12,344	12,344	12,344	12,344	12,344	12,344	18,516	18,516	18,516	18,516	18,516	24,688	24,688	24,688
North Jordan Valley	0	0	0	16,403	16,403	16,403	16,403	16,403	16,403	16,403	16,403	16,403	16,403	16,403	25,186	25,186	25,186	25,186	25,186	25,186	29,878	29,878
Shams South	0	0	0	0	12,121	12,121	12,121	12,121	12,121	12,121	12,121	12,121	12,121	12,121	12,121	22,823	22,823	22,823	22,823	22,823	22,823	22,823
Torra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,689	13,689	13,689	13,689	13,689	13,689
Wadi Shalala	0	0	0	0	0	17,919	17,919	17,919	17,919	17,919	17,919	17,919	17,919	17,919	17,919	17,919	17,919	17,919	17,919	26,683	26,683	26,683
Misur, Mata, Ashmariya	0	0	0	0	0	0	0	5,195	5,195	5,195	5,195	5,195	5,195	5,195	5,195	5,195	5,195	5,195	5,195	5,195	5,195	5,195
Dead Sea East Coast	0	0	0	0	0	0	0	0	9,623	9,623	9,623	9,623	9,623	9,623	9,623	9,623	9,623	9,623	13,701	13,701	13,701	13,701
As-Samra	0	0	0	0	0	0	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000
Total	9,991,536	0	0	3,424	37,504	175,478	246,146	326,700	340,260	394,723	403,498	420,947	441,394	450,885	473,536	520,031	520,031	520,031	520,031	520,031	520,031	520,031
Depreciation Total (M JD)		0.000	0.000	0.003	0.038	0.175	0.246	0.327	0.340	0.395	0.403	0.421	0.441	0.451	0.474	0.520	0.520	0.520	0.520	0.520	0.520	0.520

Table 9.4.3-17 Financial Plan (Wastewater Reuse) - Investment Cost, Payment of Interest & Payment of Principal - Case I

Investment Cost		(Usd JD)																					
Item	Total	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Abu Nuzar			114,140										28,860										
Aqaba				1,643,720	1,643,720			658,060	658,060					810,160	810,160			593,710	593,710				
Fajar																19,240							
Irbid (Central and West Arab)						809,900				146,250										258,700			
Karak							168,090						72,150										
Kufraja											227,500										227,500		
Ma'an												194,064										69,836	
Madaba				311,038											239,890								
Madraa					274,846											112,164							
Rashtan									278,824										232,661				
Tafelah										178,542											153,868		
Wadi Arab						809,900					146,250									258,700			
Wadi Esir																40,900							
Wadi Hasana																	85,800						
Wadi Mousa							105,560						9,620										
Al Jena				278,200										222,430									
Deir Abu Said															527,280								
Deir Alla					632,801											152,529							
Kofar Amud											354,120						37,831						
Aqaba South Coast						138,516															126,036		
Musa												154,180						31,720					
North Queen Alia Airport							411,450						205,726						205,726				
North Jordan Valley				546,754											292,770					156,406			
Shams Soufa					404,040											356,720							
Toma																456,300							
Wadi Shalala						597,285											292,143				77,642		
Musar, Musa, Ashanija								173,160														64,480	
Dead Sea East Coast								0	320,783									202,597					
Al-Sanra	15,200,001				666,667	666,667	666,667			2,333,333	2,333,333	2,333,333								2,066,667	2,066,667	2,066,667	
Total	35,607,679	0	114,140	2,779,712	3,022,074	3,022,268	1,351,767	1,110,044	1,157,385	2,425,833	2,914,953	2,681,577	316,356	1,565,210	1,806,324	670,969	415,774	828,027	1,032,097	2,740,473	2,525,677	2,327,019	
Total (M JD)	35,618																						
Investment Cost Total			114,140	2,779,712	3,022,074	3,022,268	1,351,767	1,110,044	1,157,385	2,425,833	2,914,953	2,681,577	316,356	1,565,210	1,806,324	670,969	415,774	828,027	1,032,097	2,740,473	2,525,677	2,327,019	
- @mo - (M JD)			0.114	2.780	3.022	3.022	1.352	1.110	1.157	2.426	2.915	2.682	0.316	1.565	1.806	0.671	0.416	0.828	1.032	2.740	2.526	2.327	
Financial Terms: Repayment Period=25 Years, Grace Period=3 Years, Annual Interest Rate=6.7%																							
Debt Balance	(M JD)		0.114	2.894	6.516	9.588	9.271	8.763	8.302	9.309	10.606	11.669	10.366	10.313	10.501	9.558	8.351	7.560	6.974	6.096	5.003	3.711	
Interest (Loan=100%)			0.007	0.188	0.424	0.620	0.603	0.570	0.540	0.605	0.689	0.758	0.674	0.670	0.683	0.621	0.543	0.491	0.453	0.326	0.285	0.231	
Interest (Loan=70%)			0.005	0.132	0.296	0.434	0.422	0.399	0.378	0.424	0.483	0.531	0.472	0.469	0.478	0.435	0.380	0.344	0.317	0.268	0.210	0.142	
Payment of Principal (Loan=70%)						1.123	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133	1.133	

Table 9.4.3-2 Financial Plan (Water Development) - Payment of Interest - Case II

Item	Total Cost	Completed	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Balance of Long Term Loans (Lender=100%, Repayment Period=30 Years, Grace Period=5 Years, Annual Interest Rate=6%)															
A. Municipal Water Development Projects		5.0	15.0	30.0	52.0	74.0	95.0	114.0	131.0	146.0	159.0	170.0	179.0	186.0	191.0
01-WT Dini Amman Water Conveyer	437.5		20.0	85.0	175.0	265.0	355.0	437.5	510.0	585.0	660.0	735.0	810.0	885.0	960.0
04-WT Desalination Conveyer to Urban Jordan (50+10 MCM)	100.0						20.0	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
05-WT Al-Washab Dam Water Supply Project / Irrig.	27.0						5.0	15.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
06-WT Hebus and Kafra Desalination Plant	56.2			18.7	37.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
07-WT Dini Aila - Zai Amman II	65.0		25.0	60.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
08-WT Tabasat Pahl - Irrig.	18.0	11.5	15.0	18.0	18.0	18.0	17.3	16.6	15.8	15.1	14.4	13.7	13.0	12.3	11.5
11-WT Desalination at Ajlun	32.1			6.2	15.6	24.4	27.2	27.2	26.1	25.0	23.8	22.6	21.5	20.3	19.2
12-WT Deep Craterwater Investigations	13.0		1.0	3.0	5.0	7.0	9.0	11.0	12.5	14.0	15.5	17.0	18.5	20.0	21.5
13-WT Lagoon Wadi	10.0		4.0	10.0	10.0	10.0	10.0	9.6	9.2	8.8	8.4	8.0	7.6	7.2	6.8
14-WT Qadisha Water Supply Project	10.0		4.0	10.0	10.0	10.0	10.0	9.6	9.2	8.8	8.4	8.0	7.6	7.2	6.8
15-WT Dead Sea Water Treatment Plant	10.0			2.0	6.0	10.0	10.0	10.0	9.6	9.2	8.8	8.4	8.0	7.6	7.2
16-WT Wadi Musara Water Supply	9.0	4.5	9.0	9.0	9.0	9.0	8.8	8.3	7.9	7.6	7.3	6.8	6.5	6.1	5.8
17-WT Community Infrastructure Project	8.0	2.0	4.0	6.0	8.0	8.0	7.7	7.4	7.0	6.7	6.4	6.1	5.8	5.4	5.1
18-WT Dini Amman Water Conveyer Branch to Ma'an/Madaba	8.0								8.0	8.0	8.0	8.0	8.0	8.0	8.0
19-WT Wadiya Dam	151.0		15.0	40.0	75.0	110.0	145.0	180.0	215.0	250.0	285.0	320.0	355.0	390.0	425.0
22-WT Wadi Dam	22.0	5.0	10.0	15.0	22.0	22.0	22.0	21.1	20.2	19.4	18.5	17.6	16.7	15.8	14.9
<b>Sub-Total</b>	<b>1,027.6</b>	<b>23.0</b>	<b>87.0</b>	<b>199.0</b>	<b>345.0</b>	<b>501.0</b>	<b>652.0</b>	<b>798.0</b>	<b>944.0</b>	<b>1,090.0</b>	<b>1,236.0</b>	<b>1,382.0</b>	<b>1,528.0</b>	<b>1,674.0</b>	<b>1,820.0</b>
B. Irrigation Water Development Projects															
23-WT Mujib Weir Conveyer and Southern Ghara Infrastructure	47.2			15.0	48.0	58.0	67.2	67.2	67.2	64.5	61.8	59.1	56.4	53.8	51.1
24-WT Mujib Dam	47.0	10.0	25.0	40.0	47.0	47.0	47.0	46.1	45.2	44.4	43.5	42.6	41.7	40.8	39.9
26-WT Taseer Dam	21.7		7.0	14.0	21.7	21.7	21.7	20.8	20.0	19.1	18.2	17.4	16.5	15.6	14.8
27-WT Small Dams (Din Marouf, Karak, Medfien)	11.0				2.0	4.0	6.0	8.0	11.0	13.0	15.0	17.0	19.0	21.0	23.0
28-WT Wadi Arakha Development Project	12.0			4.0	8.0	12.0	12.0	12.0	11.5	11.0	10.6	10.1	9.6	9.1	8.6
29-WT Pindas Dam	8.4			2.1	5.8	8.4	8.4	8.4	8.1	7.7	7.4	7.1	6.7	6.4	6.0
31-Damage to Jordan River and Side Wadis	78.0											17.5	45.5	70.0	70.0
34-Water Harvesting, Baka Region	28.3						1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2
35-WT Wadi Zarqa Ma'an, Zarqa Springs Project	15.0			3.0	12.0	15.0	15.0	15.0	14.4	13.8	13.2	12.6	12.0	11.4	10.8
<b>Sub-Total</b>	<b>274.6</b>	<b>10.0</b>	<b>25.0</b>	<b>65.0</b>	<b>119.0</b>	<b>157.0</b>	<b>175.0</b>	<b>177.0</b>	<b>188.0</b>	<b>178.0</b>	<b>175.0</b>	<b>169.0</b>	<b>163.0</b>	<b>157.0</b>	<b>151.0</b>
<b>Water Development Projects Total (A + B)</b>	<b>1,302.2</b>	<b>33.0</b>	<b>112.0</b>	<b>264.0</b>	<b>464.0</b>	<b>658.0</b>	<b>827.0</b>	<b>975.0</b>	<b>1,132.0</b>	<b>1,268.0</b>	<b>1,405.0</b>	<b>1,541.0</b>	<b>1,691.0</b>	<b>1,831.0</b>	<b>1,971.0</b>
<b>Payment of Interest</b>		<b>1.3</b>	<b>4.5</b>	<b>16.6</b>	<b>38.6</b>	<b>66.4</b>	<b>95.1</b>	<b>124.0</b>	<b>152.9</b>	<b>181.8</b>	<b>210.7</b>	<b>239.6</b>	<b>268.5</b>	<b>297.4</b>	<b>326.3</b>
Local Cost=20%, Foreign Cost=80%															
<b>Water Development Projects Total</b>		<b>26.4</b>	<b>89.4</b>	<b>211.0</b>	<b>371.5</b>	<b>527.5</b>	<b>682.1</b>	<b>842.3</b>	<b>1,001.1</b>	<b>1,159.9</b>	<b>1,318.7</b>	<b>1,477.6</b>	<b>1,636.5</b>	<b>1,795.4</b>	<b>1,954.3</b>
<b>Payment of Interest</b>		<b>1.3</b>	<b>3.8</b>	<b>8.5</b>	<b>14.9</b>	<b>21.1</b>	<b>28.5</b>	<b>35.7</b>	<b>43.1</b>	<b>50.5</b>	<b>57.9</b>	<b>65.3</b>	<b>72.7</b>	<b>80.1</b>	<b>87.5</b>

Table 9.A3-3 Financial Plan (Water Development) - Payment of Principal - Case II

Item		(Unit: JD million)																						
		Total Cost	Completed	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Financial Terms: Loans=100%, Repayment Period=30 Years, Grace Period=5 Years, Annual Interest Rate=6%																								
A. Municipal Water Development Projects																								
01-WT Dst Amman Water Conveyer	437.5										17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
04-WT Desalination Conveyer to Urban Jordan (50+10 MCM)	100.0														4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
05-WT Al-Wildak Dam Water Supply Project / Irbid	27.0															1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
06-WT Habas and Kafein Desalination Plant	56.2										2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
07-WT Dier Alla - Zar Amman II	65.0								2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
10-WT Tabaqa Fahl - Irbid	18.0						0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
11-WT Desalination at Aqaba	82.1								3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
12-WT Deep Groundwater Investigations	13.0								0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
13-WT Lagoon Walls	10.0								0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
14-WT Curacao Water Supply Project	10.0								0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
15-WT Dead Sea Water Treatment Plant	10.0									0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
16-WT Wadi Musa Water Supply	9.0							0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
17-WT Community Infrastructure Project	8.0							0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
18-WT Dst Amman Water Conveyer Branch to Ma'an/Makha	8.8																0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
21-WT Waba Dam	151.0								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
22-WT Waba Dam	22.0							0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Sub-Total	1,027.6	0.0	0.0	0.0	0.0	0.0	0.0	2.3	12.2	33.4	35.7	35.7	35.7	35.7	39.7	40.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1
B. Irrigation Water Development Projects																								
23-WT Mujib Weir Conveyer and Southern Ghora Infrastructure	67.2										2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
24-WT Mujib Dam	47.0							1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
25-WT Tannur Dam	21.7									0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
27-WT Small Dams (El-Hamad, Karak, Middle)	13.0										0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28-WT Wadi Araba Development Project	12.0										0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29-WT Feriala Dam	8.4										0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
33-Storage on Jordan River and Side Wadis	70.0																					2.8	2.8	2.8
34-Water Elevating, Basha Engine	20.3													0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
35-WT Wadi Zarga Main, Zara Springs Project	15.0									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
Sub-Total	274.6	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	6.0	6.9	7.4	7.4	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	11.0	11.0	11.0
Water Development Projects Total (A + B)		1,302.2	0.0	0.0	0.0	0.0	0.0	4.2	14.1	39.5	42.5	43.0	43.0	43.9	47.9	48.9	48.9	49.3	49.3	49.3	49.3	52.1	52.1	52.1
Local Cost=20%, Foreign Cost=80%																								
Water Development Projects Total		1,041.8	0.0	0.0	0.0	0.0	0.0	3.3	11.3	31.6	34.0	34.4	34.4	35.1	38.3	39.1	39.1	39.4	39.4	39.4	39.4	41.7	41.7	41.7