

Table 8.1.5-2.1. Annual Cost Stresses (Irrigation Water Development)

Year	Allocated Water (MCM)	O&M Cost	Water Allocation (% N, M, L, H)	Total Cost (JD mil.)	Completed	1990	1991	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
(1) Municipal Water																										
21-WT Wadi Dara	44.3	0.75	54.5, 41	819		6.2	10.1	14.4	14.4	12.5	3.3	8.2	10.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
22-WT Wadi Dara	4.2	0%	33.0, 42	92	21	2.1	2.1	1.9	0.1	0.1	0.1	8.1	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	
Sub-Total	48.5			712	21	8.3	12.4	17.5	14.4	12.6	3.4	8.3	10.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
(2) Irrigation Water																										
24-WT Maqta Dam	16.1	2%	0.54, 46	216	4.6	6.9	6.9	12	0.2	0.2	6.2	8.2	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	
25-WT Tawfiq Dam	5.9	0%	0.62, 38	82		2.7	1.7	2.9	0.1	0.1	8.1	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	
27-WT Small Dams (Iba Hamra, Karak, Medina)	1.0	0%	0.27, 73	9.5					1.5	1.5	1.9	1.9	1.5	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
28-WT Wadi Araba Development Project	3.2	2%	10.0, 90	30.8					1.6	3.6	3.6	0.2	8.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
29-WT Prophets' Dams	6.0	0%	0.0, 100	8.4					2.1	3.6	2.5	0.1	8.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
33-Storage in Jordan River and Lake Wadi	28.0	0%	0.0, 100	30.0																	17.5	23.0	24.5	0.7	0.7	0.7
34-Water Harvesting, Banks Region	14.3	2%	5.1, 95	39.3								1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.4	0.4	0.4	
35-WT Wadi Zarqa, Habis, Zarqa Storage Project	16.0	0%	0.20, 80	12.0		2.4	7.2	2.4	0.1	0.1	0.1	8.1	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	
Sub-Total	93.5			199.8	4.6	6.9	12.0	18.8	14.4	0.1	4.4	4.4	3.9	3.9	2.6	3.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
Total	141.0			231.6	6.7	15.1	24.3	36.1	23.0	21.6	7.7	4.6	4.2	4.2	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	

Table 8.3.5-1.3 Annual Cost Streams (Municipal Water Development)

Item	Additional Water (MCM)	O & M Cost (M, M.L, k)	Water Allocation (M, M.L, k)	Total Cost (JD mil.)	Completed	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020					
(1) Municipal Water																															
11-WT Das Amman Water Conveyor	100.0	250	90,10,0	437.3			20.0	65.0	90.0	90.0	90.0	123.5	21.8	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					
12-WT Capital Investment Projects	(18.0)	250	90,10,0	(150.0)	(4.0)	(21.9)	(21.0)	(21.0)	(21.0)	(21.0)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)	(4.5)					
13-WT New/Second Sewer Projects - Network and Supply Sys	(-)	250	90,10,0	(25.0)								(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)	(5.0)				
14-WT Desalination Concepts Urban Areas (94+10 MCM)	60.0	10%	90,10,0	100.0								20.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0				
15-WT Al Wadih Das Water Supply Project (Irr)	(25.0)	250	90,10,0	27.8								5.0	10.0	12.0	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	0.8			
16-WT Hafir and Kafra Drainage Plan	30.0		300,0,0	56.2								18.7	18.7	18.7	2.0	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		
17-WT Das Ahs - Za'atara II	(45.0)	12%	90,10,0	65.1			25.0	35.0	5.0	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8				
18-WT Daqqaq Rehabilitation - Zarqa Greenhouses	(25.0)	250	98,2,0	(35.0)	(20.0)	(6.0)	(9.0)	(1.0)	(1.1)	(1.1)	(1.0)	(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)				
19-WT Wadi Al Arab - Irid Municipal Water Supply	(25.0)	250	95,5,0	(27.0)								(14.0)	(13.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)			
20-WT Tukage Padi - Irid	(-)	(250)	90,10,0	18.8	11.1	3.5	3.0	0.5	0.3	0.3	0.5	0.5	0.3	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			
21-WT Desalination at Aqaba	15.0		87,33,0	32.1								6.0	6.0	6.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
22-WT Dara Ghadbanah Desalination	5.0	2%	90,10,0	12.1			1.0	2.0	2.0	2.0	2.0	2.0	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			
23-WT Lojail Wadi	11.0	2%	75,25,0	16.1			4.0	6.0	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	0.3	0.3	0.3			
24-WT Dahab Water Supply Project	10.0	2%	90,10,0	16.1			4.0	6.0	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	0.3	0.3	0.3			
25-WT Dead Sea Water Treatment Plant	(15.0)	250	90,10,0	10.1								2.0	4.0	4.0	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		
26-WT Dead Sea Water Supply	6.0	2%	100,0,0	9.8	4.5	4.5	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	0.3	0.3	0.3	0.3	0.3			
27-WT Community Infrastructure Project	4.0 (2.0)	250	100,0,0	8.1	2.0	2.0	2.0	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	0.2	0.2	0.2	0.2	0.2	0.2			
28-WT Das Amman Water Conveyor Branch to Ma'an/Mada'in	(29.0)		66,34,0	8.1														8.8	17	1.9	2.0	2.1	2.3	2.3	2.4	2.5	2.6	2.7	3.9		
29-Upgrading of Istar-Gharran Transfer Line Phase 1	(18.0)		100,0,0	(11.9)																		4.0	(2.9)	(2.0)	(2.7)	(2.9)	(2.4)	(2.2)			
30-Upgrading of Istar-Gharran Transfer Line Phase 2	(82.0)		100,0,0	(80.0)																											
31-WT Wadi Das	108.0	8.0%	54,5,41	151.0			15.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0		
32-WT Wadi Das	10.0	3%	52,0,42	22.0			5.0	5.0	5.0	7.8	0.2	1.2	0.2	0.2	1.2	0.2	0.2	1.2	0.2	0.2	1.2	0.2	0.2	1.2	0.2	0.2	1.2	0.2	1.2		
Sub-Total	359.6			1,027.6	23.0	64.0	113.1	149.1	166.2	168.5	176.5	121.4	94.1	89.1	69.9	51.4	65.4	65.6	45.7	65.3	55.3	55.4	55.5	55.6	55.7	54.8					
(2) Irrigation Water																															
23-WT Majlis Water Conveyor and Brothers Green Infrastructure	154.5%	2%	0,55,45	67.2								75.0	25.0	18.0	1.2	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		
24-WT Mihib Dam	35.0	2%	0,54,46	47.0	10.0	15.0	15.0	7.8	0.5	1.5	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	0.5	0.5	0.5			
25-WT Jordan River Valley Improvement Project	0.1			(35.0)								(35.0)	(9.0)	(9.0)	(9.0)																
26-WT Tumeir Das	15.6	2%	0,62,38	21.2								7.0	7.0	7.0	1.2	0.2	0.2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
27-WT Dead Dunes (Iba Hamad, Ibrah, Mada'in)	11.0	2%	0,27,73	13.0								2.0	1.0	2.6	2.6	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	
28-WT Wadi Arish Development Project	3.6	2%	32,0,90	12.0								4.0	4.0	4.0	0.2	0.2	0.2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2		
29-WT Faridat Das	6.0	2%	0,0,100	8.4								2.1	3.0	2.5	0.1	0.1	0.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
30-WT Rehabilitation of Southern Green Irrigation Stage 1	(45.0)	2%	0,0,100	(9.0)								(4.0)	(5.0)	(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)	(0.2)		
31-WT Rehabilitation of Harqa Rofaa Irrigation Project	(11.0)	2%	0,0,100	(5.0)								(2.0)	(3.0)	(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)		
32-WT KAC Soltan Upgrading	(20.0)	2%	0,0,100	(3.5)								(2.0)	(1.5)	(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)		
33-Urban in Jordan River and Lake Wadi	20.0	2%	0,0,100	70.0																											
34-Water Harvesting, Badia Region	15.0	2%	5,0,95	20.3																											
35-WT Wadi Zarni, Ma'a, Zarqa Spring Project	20.0	2%	0,20,90	15.8								3.0	3.0	3.0	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	0.2	
Sub-Total	156.2			274.6	16.0	35.0	40.0	54.1	39.0	18.5	6.5	6.3	5.0	5.7	3.0	3.0	3.0	3.0	21.3	21.1	20.3	3.1	3.1	3.1	3.1	3.1	3.1	3.1			
Total	492.8			1,308.2	35.0	79.0	153.1	201.8	205.2	179.0	122.7	89.7	94.7	73.7	55.4	69.2	87.0	97.7	83.6	94.8	93.5	98.6	98.7	98.9							
Irrigation Water Development Total	148.1			231.8	6.1	152	24.3	36.1	28.8	21.6	7.7	4.6	4.2	2.8	1.8	2.1	2.8	2.8	20.3	30.8	27.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2			
Municipal Water Development Total	347.8			1071.2	26.3	633	128.8	164.9	176.4	157.4	115.0	123.1	85.5	90.9	72.6	66.4	66.2	66.9	56.1	56.2	56.3	56.4	56.5	57.3							

*The Study on Water Resources Management in The Hashemite Kingdom of Jordan
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Table 8.1.5-3 Annual Water Supplies

Item	Additional Water (MCM)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
A. Technical & Private Sector Management																						
01-TP Water Feasibility Design and Assessment Studies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02-TP Amanah Water and Wastewater Management Contract	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03-TP The Government Support Unit (GSU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04-TP Planning and Management Unit (PMU)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B. Water Development Projects																						
(I) Municipal Water																						
01-NPT Das Alman Water Company	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	180.0	100.0	180.0	100.0	180.0	100.0	180.0	100.0	180.0	100.0	180.0	100.0	180.0
02-NPT Capital Investment Programs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03-NPT Ma'anibeh Small Projects - Network and Supply Map	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04-NPT Desalination Committee (DCC) (4+10 MGD)	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05-NPT Al Wadih Dam Water Supply Project - Ibad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06-NPT Hisham and Kubat Desalination Plant	30.0	0.0	0.0	0.0	0.0	0.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
07-NPT Das Al - Sal Aswad II	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08-NPT Qayloun Rehabilitation - Zayta Governorate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09-NPT Wadi Al Arab - Ibad Municipal Water Supply	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-NPT Tihagaq Pella - Ibad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-NPT Desalination at Aqaba	15.0	0.0	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	5.0	5.0	5.0	5.0	5.0	5.0
12-NPT Deep Groundwater Investigations	5.0	0.0	0.0	0.0	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	5.0	5.0	5.0	5.0
13-NPT Lajnah Wells	11.0	0.0	0.0	31.0	11.0	11.0	11.0	31.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
14-NPT Cawdor Water Supply Project	10.0	0.0	0.0	30.0	10.0	30.0	10.0	30.0	10.0	30.0	10.0	30.0	10.0	30.0	10.0	30.0	10.0	30.0	10.0	30.0	10.0	30.0
15-NPT Dead Sea Water Treatment Plant	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-NPT Wadi Mousa Water Supply	6.6	0.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
17-NPT Community Infrastructure Project	4.0	0.0	0.0	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	4.0	4.0
18-NPT Das Alman Water Company Branch to Ma'an/Mashha	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-Upgrading of Inter-Community Transfer Line Phase I	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-Upgrading of Inter-Community Transfer Line Phase II	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-NPT Wadi Dara	100.0	0.0	8.0	0.0	8.0	0.0	8.0	308.0	188.0	308.0	188.0	108.0	188.0	108.0	188.0	108.0	188.0	108.0	188.0	108.0	188.0	
22-NPT Wadi Dara	18.0	0.0	8.0	0.0	18.0	10.0	18.0	10.0	18.0	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
Sub Total	358.6	0.0	6.6	27.6	41.6	41.6	76.6	304.6	249.6	249.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6

I. Irrigation Water																							
23-SWP Mugh War Canalizer and Gharara Ghars Infrastructure	0.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
24-SWP Mugh Canal	25.0	0.0	8.0	0.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0		
25-SWP Jordan Rift Valley Improvement Project	0.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
26-SWP Tawer Dara	15.6	0.0	8.0	0.0	18	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6		
27-SWP Small Dams (De Hamra, Karkis, Modhar)	11.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0		
28-SWP Wadi Araba Development Project	1.6	0.0	8.0	0.0	18	0.0	1.6	2.6	1.6	1.6	3.6	2.6	3.6	2.6	3.6	3.6	2.6	3.6	3.6	3.6	3.6		
29-SWP Pergam Dam	6.0	0.0	8.0	0.0	18	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	6.0		
30-SWP Rehabilitation of Southern Ghars Irrigation Stage I	0.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
31-SWP Rehabilitation of Hawas-Et-Tanuf Irrigation Project	0.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
32-SWP IKA/C Sajoun Upgrading	0.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
33-Storage in Jordan River and Lake Waqf	38.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	30.0	30.0		
34-Water Harvesting, Dada Rogers	15.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	15.0	15.0		
35-SWP Well Darga Maran, Zara Spring Project	20.0	0.0	8.0	0.0	18	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		
Sub-Total	136.2	0.0	8.0	0.0	35.8	70.6	88.2	88.2	88.2	88.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	136.2	136.2	136.2		
Total	495.8	0.0	6.6	27.6	76.6	112.2	154.8	194.8	198.8	199.8	440.8	440.8	440.8	440.8	440.8	440.8	440.8	440.8	450.8	495.8	495.8		
C. Wastewater Treatment Projects																							
01-SWP Upgrading and Expansion of Deirat WWTP	63.0	0.0	8.0	0.0	18	0.0	8.0	17.0	13.5	18.1	18.6	19.2	19.8	20.3	20.8	21.5	22.2	22.8	23.4	24.0	24.7	25.3	
02-SWP South Aravah Wastewater Project Phase I (Stage 1)	15.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	
03-SWP Am Qazil Treatment Plant and Coverage	0.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
04-SWP Ma'aninat Drain Project	0.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
05-SWP Irid Stage I	0.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	10.0	10.0	10.0	10.0	10.0	10.0	11.2	11.6	11.9	12.1	12.6	13.3	14.0
06-SWP Jordan Valley Sanitation - North Branch	3.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	1.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	
07-SWP Irid Stage II	6.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.7
08-SWP Cragg Rehabilitation Project Other	3.0	0.0	2.0	5.2	3.3	3.3	3.3	3.7	5.9	6.1	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.7	7.9	8.1	8.5	8.7	
09-SWP Ma'an, Mirat and Aldeirah Wastewater Projects	2.0	0.0	8.0	0.0	18	0.0	8.0	0.0	18	0.0	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.6	2.7	
10-SWP Aqaba Wastewater Project	5.6	0.0	8.0	0.0	18	0.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	6.0	6.0	6.0	6.5	6.7	6.9	7.1	7.7
11-SWP Wadi and Adjacent Areas' Wastewater Project	2.0	0.0	8.0	0.0	18	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2		
12-SWP Wadi Housa Wastewater Project	2.0	0.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5		
13-SWP Community Infrastructure Wastewater Project	1.0	0.0	8.0	0.0	18	0.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5		
14-SWP Eddeh Wastewater Systems	1.0	0.0	8.0	0.0	18	0.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5		
15-SWP Upgrading Dubheib and Ajlun WWTP	2.0	0.0	8.0	0.0	18	0.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0		
16-SWP East Aravah Wastewater Project Phases I - Ica/Tabis	2.0	0.0	8.0	0.0	18	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.1		
17-SWP Dead Sea Wastewater Infrastructure	1.0	0.0	8.0	0.0	18	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.6		
18-SWP Ma'aleh WWTP Upgrade and Expansion	1.0	0.0	8.0	0.0	18	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.6		
19-SWP Upgrading Maras WWTP	1.5	0.0	8.0	0.0	18	0.0	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3			
20-SWP Upgrading Tafileh WWTP	1.5	0.0	8.0	0.0	18	0.0	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3			
21-SWP Upgrading and Expansion of Karkis WWTP	6.0	0.0	8.0	0.0	18	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			
22-SWP Upgrading Mafraq WWTP	1.5	0.0	8.0	0.0	18	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.4			
23-SWP Baqura WWTP Upgrade & Expansion	1.0	0.0	8.0	0.0	18	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6			
24-SWP Abu-Hanay WWTP Upgrade & Expansion	1.0	0.0	8.0	0.0	18	0.0	1.0	0.0	1.0	0.0	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.6			
25-SWP Jordan Valley Domestic Waste Management Project	1.0	0.0	8.0	0.0	18	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6			
Total	133.5	0.0	15.0	15.5	16.8	25.0	36.4	37.0	64.3	70.7	81.0	99.5	102.1	104.5	107.1	109.8	112.5	115.2	117.9	120.6	123.5	124.4	

Table 8.1.5-4 Financial/Economic Analysis of Municipal Water Development Projects