

SLWE STRATEGY 2020-2025

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Vision

Water for everyone in the South within 3-5 years

Mission

Non intermittent quality water supply in an optimized cost and environment friendly manner to allow for adequate human and infrastructure development and customer satisfaction South Lebanon Water Establishment 2020-2025 Strategy







1.1 Consistent water supply (2/7)









Surface water vs. Ground water





Development / Rehabilitation of water networks Increase storage capacity

Ensure that all towns and villages are appropriately supported by water service infrastructure

Build new reservoirs to increase storage capacity



















Cost of cubic meter by water depth



---- fixed costs ---- Selling price ---- Solar (Operation 8/24hr) ---- Generator ---- Solar (Operation 24/24 hr) ---- EDL



Cost optimization (3/5)

Decrease power cost

(AUB water energy – NEXUS)



Increase equipment efficiency by replacement of old and inefficient pumps and include variable speed controls and intelligent programming of their operation



Introduce renewables for consistent levels of service at least cost



Plan the water supply in accordance to seasonal demand to reduce unnecessary power consumption









Cumulative cost reduction







Investments (1/7)

Capital needs for South Lebanon water infrastructure 2020-2025

Estimates of Investments by project type





Investments (2/7)

Capital needs for South Lebanon water infrastructure 2020-2025

Amounts in millions USD

Region	Network	Source	Treatment	Storage	Smart metering	Renewable energy	п	Total by region
Saida	15	10	4	6	17	7	2	61
Jezzine	2	2	0	1	2	7	1	15
Zahrani	15	10	0	5	5	8	1	44
Sour	15	15	1	5	12	7	2	57
Bent Jbeil	21	6	5	4	7	7	1	51
Nabatieh	12	20	5	4	10	7	1	59
Marjeyoun/ Hasbaya	30	7	5	5	4	7	2	60
Total by type	110	70	20	30	57	50	10	347



Investments (3/7)

Capital needs for South Lebanon water infrastructure 2020-2025







SLWE self-financing capacity – year 2019



------ Sales inflow (Collection=65%) - - Fixed costs ••••• Electricity costs ------ Total costs



Cash position during investment period

SLWE financing capacity





Investments (6/7)

Potential sources for funding the new investments





Investments (7/7)

External funds to be provided between 2020-2025

Amounts in USD

Year	2020	2021	2022	2023	2024	2025
Expected Billed Water (m ³)	203,875	224,750	245,625	266,500	287,375	308,000
Targeted Collection of Bills	80%	85%	90%	95%	95%	95%
Inflow from tariff increase	2,609,600	3,056,600	3,537,000	4,050,800	4,368,100	4,681,600
Cash flow from operations (excl. energy costs)	19,120,000	24,707,500	30,712,500	37,135,000	41,101,250	45,067,500
Outflow Energy Costs	(20,391,333)	(16,765,667)	(10,852,667)	(9,903,667)	(9,100,667)	(8,972,917)
Cash from Operations	1,338,267	10,998,433	23,396,833	31,282,133	36,368,683	40,776,183
Investments	(57,913,000)	(57,913,000)	(57,913,000)	(57,913,000)	(57,913,000)	(57,913,000)
Inflows from Solar Farms	2,433,333	4,866,667	7,300,000	9,733,333	12,166,667	14,600,000
Cash from Investing	(55,479,667)	(53,046,333)	(50,613,000)	(48,179,667)	(45,746,333)	(43,313,000)
South Council	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
MEW	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
CDR	0	12,000,000	12,000,000	12,000,000	12,000,000	12,000,000
UNICEF						
UN						
EU						
USAID						
NGO	-	-	-	-	-	-
Cash from Contributions	10,000,000	22,000,000	22,000,000	22,000,000	22,000,000	22,000,000
Cash Balance	(44,141,400)	(20,047,900)	(5,216,167)	5,102,467	12,622,350	19,463,183

6.0 **Projects by Type**













Maps





Electronic Billing

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برجى إبرار هذا ويصان عند كل ما جمه
برجى التأكد من شغصية الجابي براسطة البطاقة الخاصة المعطاة له من قبل المؤسسة

🗕 🚽 الزقم اليدوي القديم الخاص بكل مشترك

🛶 الرقم الآلي المميز الخاص بكل مشترك والذي سيتم استخدامه في كل معاملاته مع المؤسسة



مـؤسّســق ميـاه لبنــان الجنـوبـمي SOUTH LEBANON WATER ESTABLISHMENT





Thank You



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