

International Association of Water Supply Companies in the Danube River Catchment Area



Commercial Efficiency in Water Supply and Sanitation Utilities

GAIN practical experience on commercial efficiency measures

LEARN from other practitioners in the sector

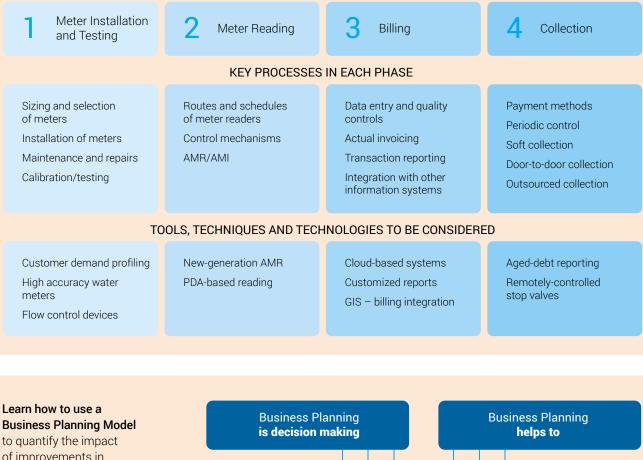
BE UP TO DATE on the latest trends in the sector

BENEFIT from regional and global experiences from other utilities and experts

Commercial Efficiency in Water Supply and Sanitation Utilities

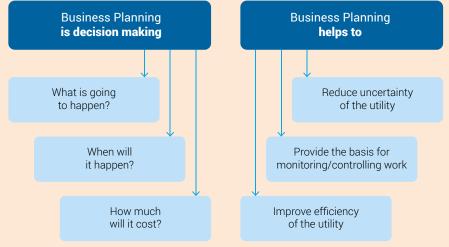


Understanding the water utility commercial cycle, which consists of four sub-processes, and in which the failure in one of these sub-processes results in poor overall performance

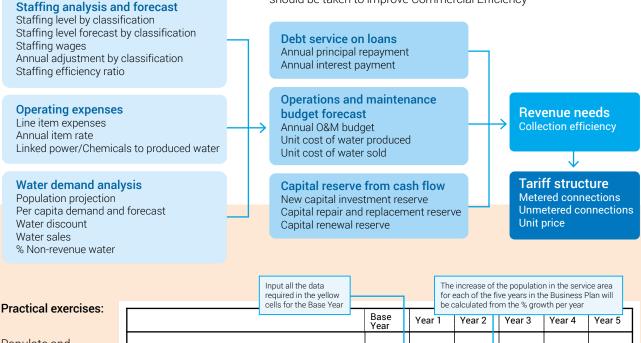


of improvements in commercial efficiency

Business planning helps water utilities to plan technical operations, determine their operational financing needs, and quantify and schedule the capital investments for the utility in a sustainable and affordable way



Explaining the Business Planning Cycle helps water utilities to understand every element of it and plan the measurements which should be taken to improve Commercial Efficiency



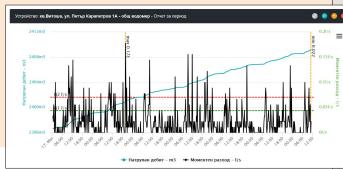
Populate and develop your *individual Business Planning Model*

	Year						
							1
Population in the service area registered	87,870	88,309	88,751	89,19	5 89,641	90,089	
Population served by registered connections	73,050	75,063	78,101	80,27	'5 85,159	90,089	
Unserved population	14,820	13,246	10,650	8,919	4,482	0	
% of population provided water service	83%	85%	88%	90%	95%	100%	
Registered household water connections	16,000	16,461	17,127	17,60	4 18,675	19,756	
Metered HH connections	14,000	15, 44	16,100	16,90	0 18,302	4 9,756	
Non-metered HH connections	2,000	1,317	1,028	704	374	0	l
% metered HH connections	88 <mark>%</mark>	92%	94%	96%	98%	100%	
Number of new metered HH connections per year		1,144	955	800	1,402	1,455	
The worksheet will multiply the no. of registered HH connections with the no. of persons per HH to give the population served by registered connections		The population service area m by the % servic coverage ratio	ultipled		These entries will decided by the co in order to achiev strategic goal	mpany	

Learn how to develop a water balance

er	r Own source	Total	Exported water		Billed authorized consumption	Billed water exported Billed metered consumption Billed unmetered consumption	Revenue water	
			Supplied		Unbilled authorized consumption	Unbilled metered consumption		
						Unbilled unmetered consumption		
		system				Unauthorized consumption		
		input Suppli water			Apparent losses	Customer metering inaccuracies	Non-revenue	
	Imported water		water			Data handling error	water	
				Water losses		Leakage on mains		
water				Real losses	Leakage on service lines			
						Leakage on overflows at storage		

Apply new techniques for mapping your customers, understand their consumption and manage demand accordingly





Commercial Efficiency in Water Supply and Sanitation Utilities

Program description and covered topics

The successful management of high cost water infrastructure is essential to operate and deliver the required service as cost effectively as possible. The management of commercial activities is an integral part of achieving this goal.

This Program supports participating utility companies in collecting, auditing and analyzing data related to commercial efficiency and developing actions based on that data to support reduction of costs, increase revenue collection and overall commercial efficiency. It offers a standardized and detailed approach for business planning and provides tools and actions to improve commercial efficiency.

The Program has been developed in cooperation with the Technical Partner Valu Add and is delivered by national or regional Hubs in local language. The duration of the Program is one year and it consists of workshops as well as hands-on exercises at the utilities themselves with support of the trainers. Participating utilities pay a registration fee, which is communicated by the Hub.

Set-up of Program

The Program is designed on learning-by-doing principles. It includes a mix of face-to-face training workshops providing tools and techniques to address the challenges faced and see them applied in practice, followed by on the job training, in which participating utilities apply the tools and techniques to their particular situation and develop concrete products (diagnostics, action plans etc.). The principles of blended learning are applied, i.e. face-to-face training is accompanied by e-learning material provided within the D-LeaP Academy.

For more information on the Program concept and design please visit **www.d-leap.org**!

Learning goals

How to develop a business plan? How to establish adequate commercial procedures? How to design performance improvement plans?

Hubs



SHUKALB, Water Supply and Sewerage Association of Albania/**SHUKOS**, Water and Wastewater Works Association of Kosovo



ADKOM, Association of Utility Service Providers of Macedonia

APA Brasov, Romania

Technical Partner



VALU ADD MANAGEMENT SERVICES "Your Partner in Reinventing Environmental Infrastructure Management"

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