



FINANCIAL SUSTAINABILITY OF WASTEWATER MANAGEMENT IN THE DANUBE REGION

**Utility experience in achieving
sustainability of wastewater
management – operator point of view**

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Content

Sewerage service extension financial impacts Romania and Brasov

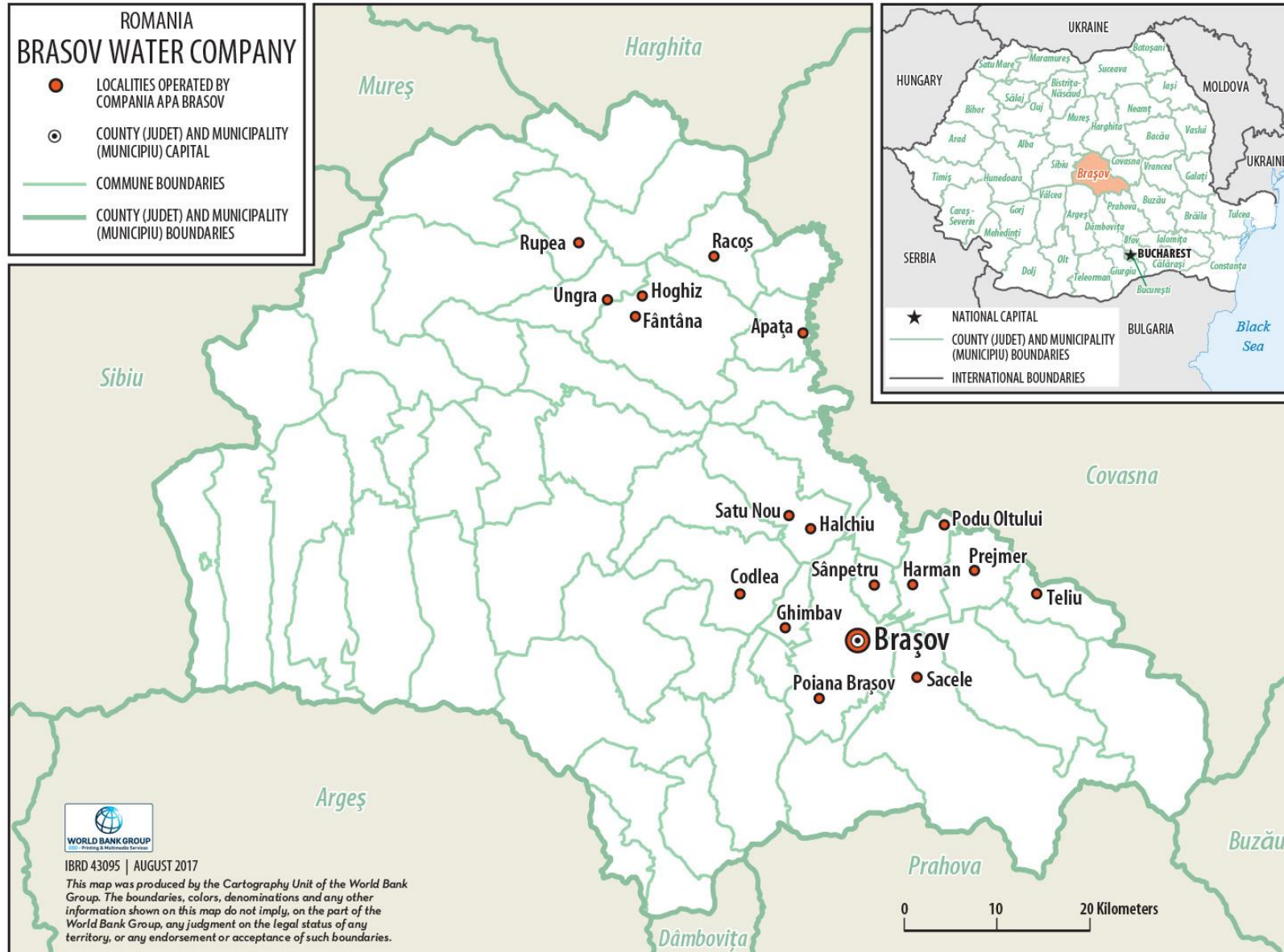
Depreciation vs. tariffs

Challenges

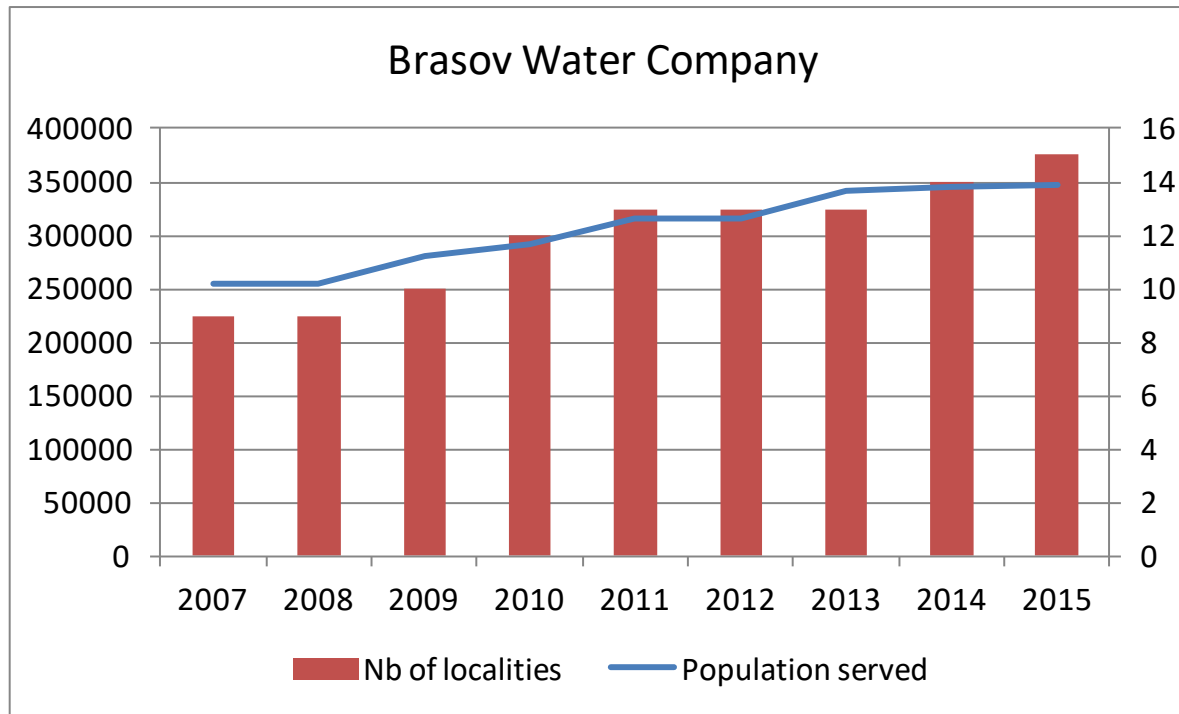
Brasov, Romania



Operating area Compania Apa Brasov, Romania

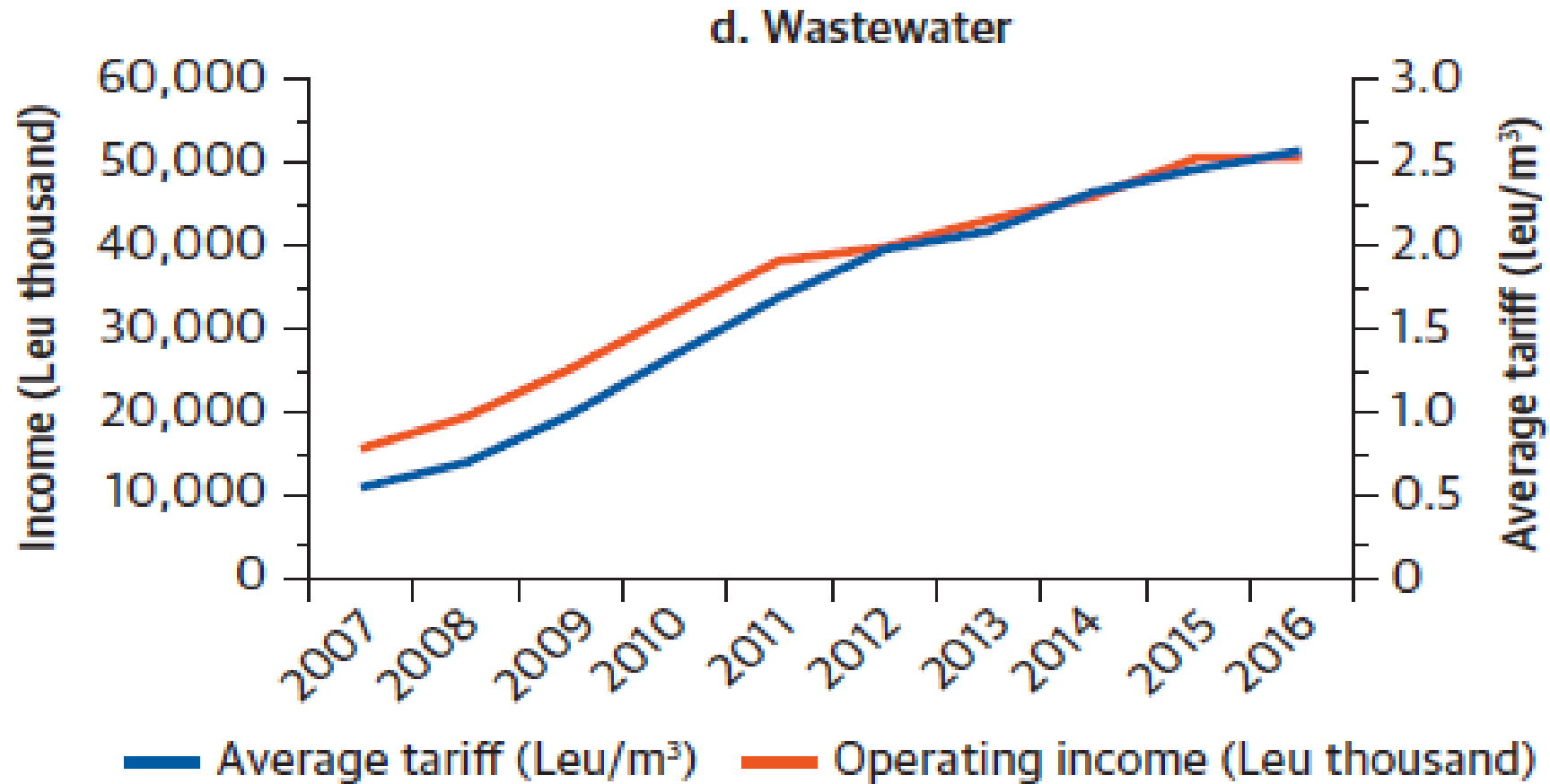


Sewerage service extension of Brasov Water Company



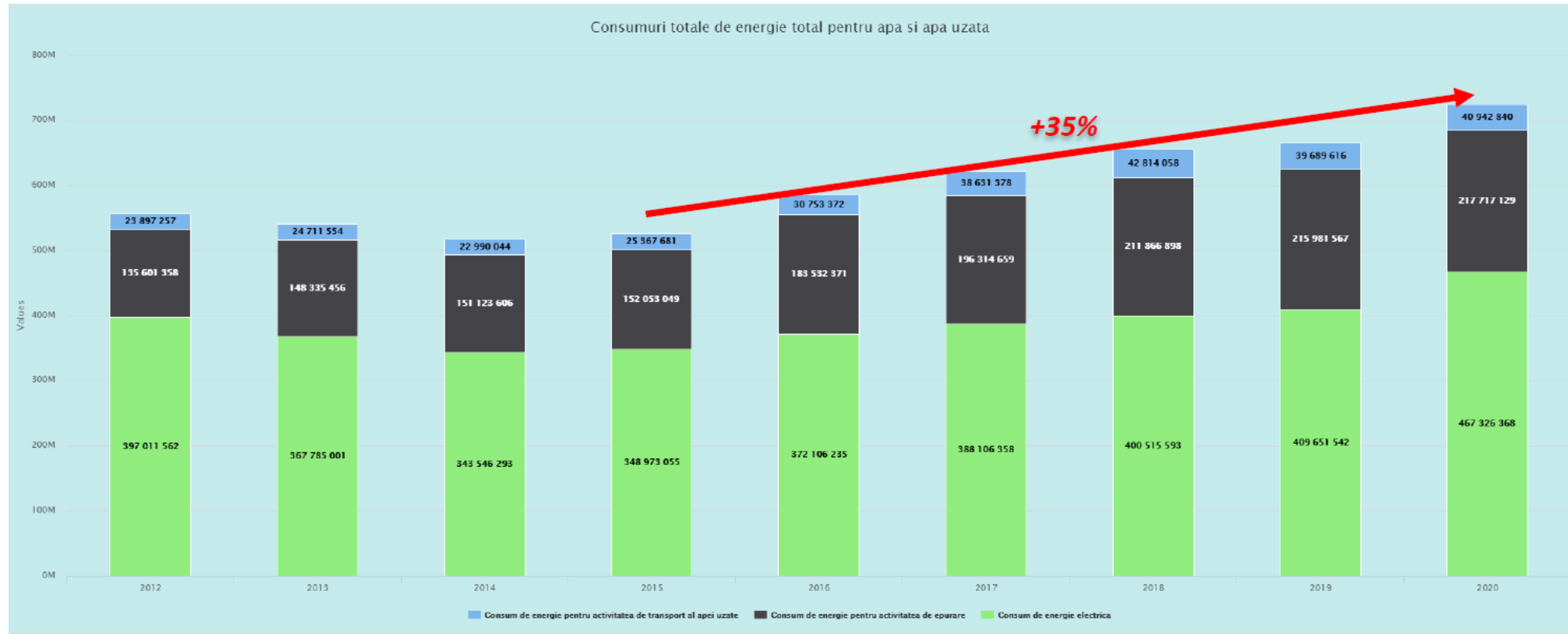
Wastewater services	2008	2020	%
Nr. of localities	6	12	+100%
Nr. of connection	18,631	27,197	+46%
Sewerage network length- km	436	761	+75%
Population served	220,257	302,233	+37%

Wastewater tariff vs Operating income



Inflation [2007- 2016] ~ 50%

Energy cost 2012- 2020, Romania

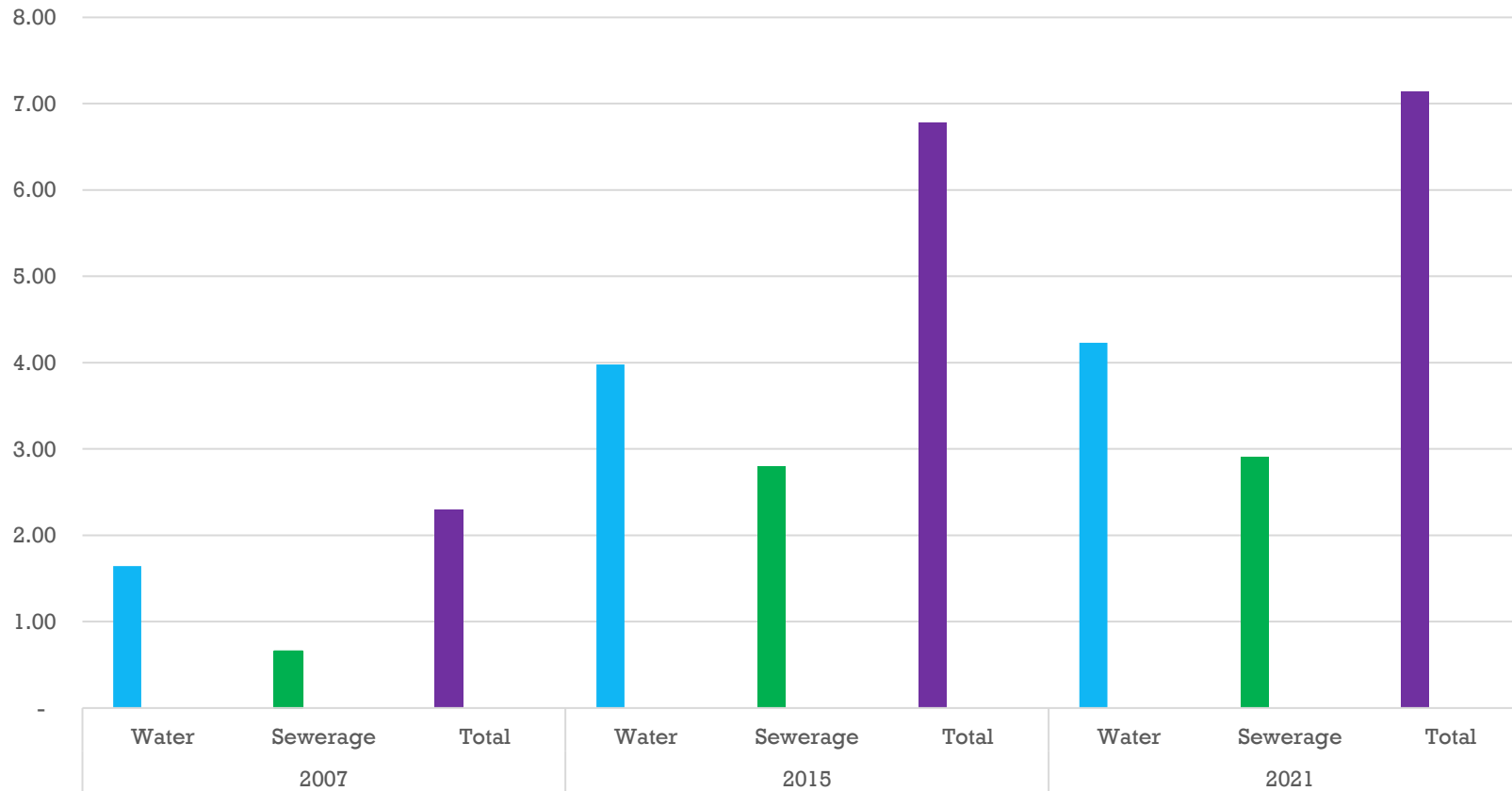


MAA-00006 Suport Sectorial Ad-hoc oferit pentru sectoarele Mediului si Energiei in Romania

Lotul 2: Mediu si Energie (MIPE PASSA 2 - AA-010424 / MMAP PASSA - AA-010532)

Green: Water
Black: Wastewater treatment
Blue: WW Transport

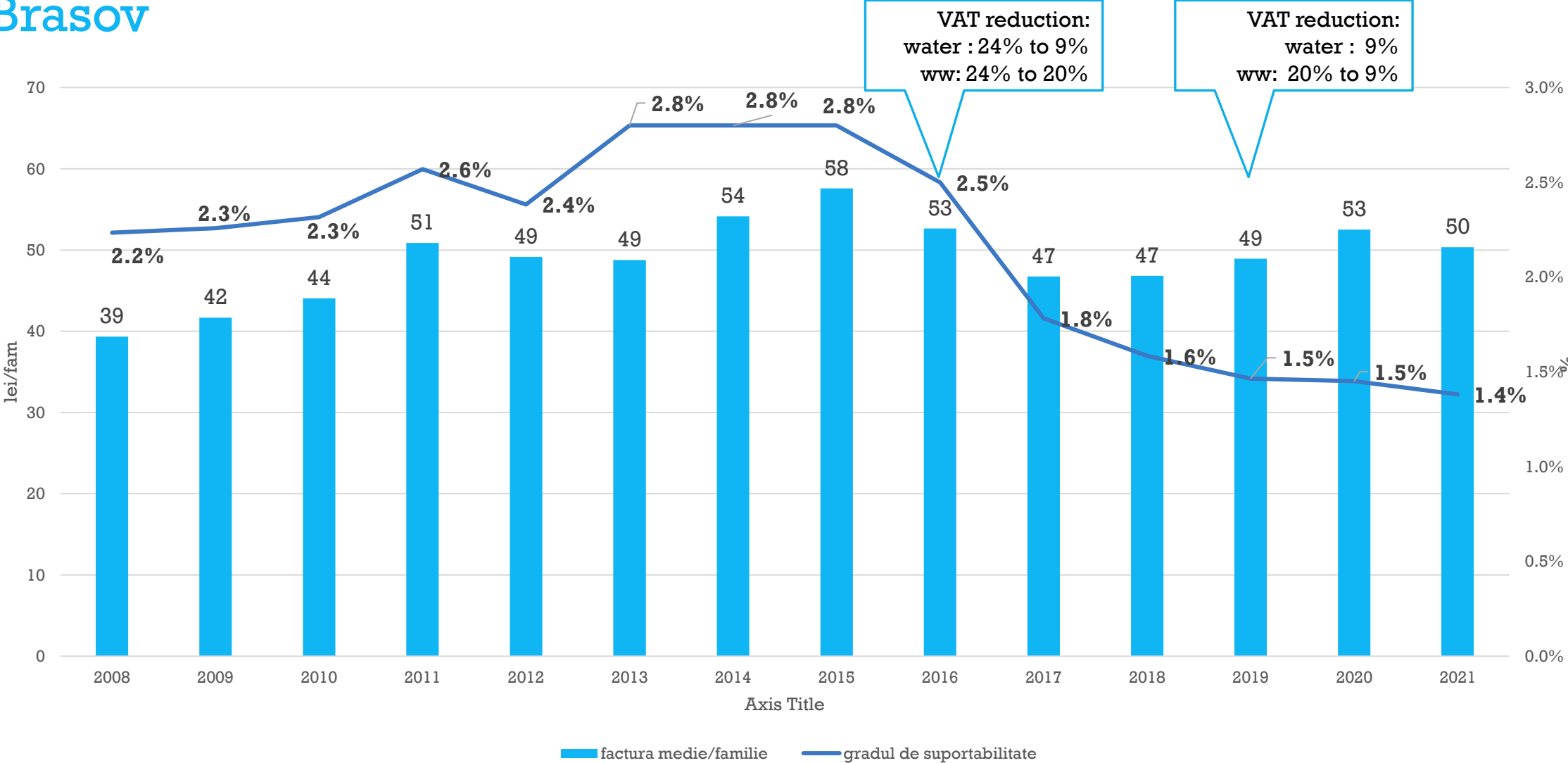
Water and wastewater tariff evolution 2007- 2015- 2021



lei/cm	Service	Brasov	% increase vs 2007
2007	Water	1.64	
	Sewerage	0.65	
	Total	2.30	
2015	Water	3.98	
	Sewerage	2.80	
	Total	6.78	
2021	Water	4.23	158%
	Sewerage	2.91	345%
	Total	7.14	211%

Inflation [2007- 2021] ~ 75%

Average water and waste water bill and affordability 2008- 2021, Brasov

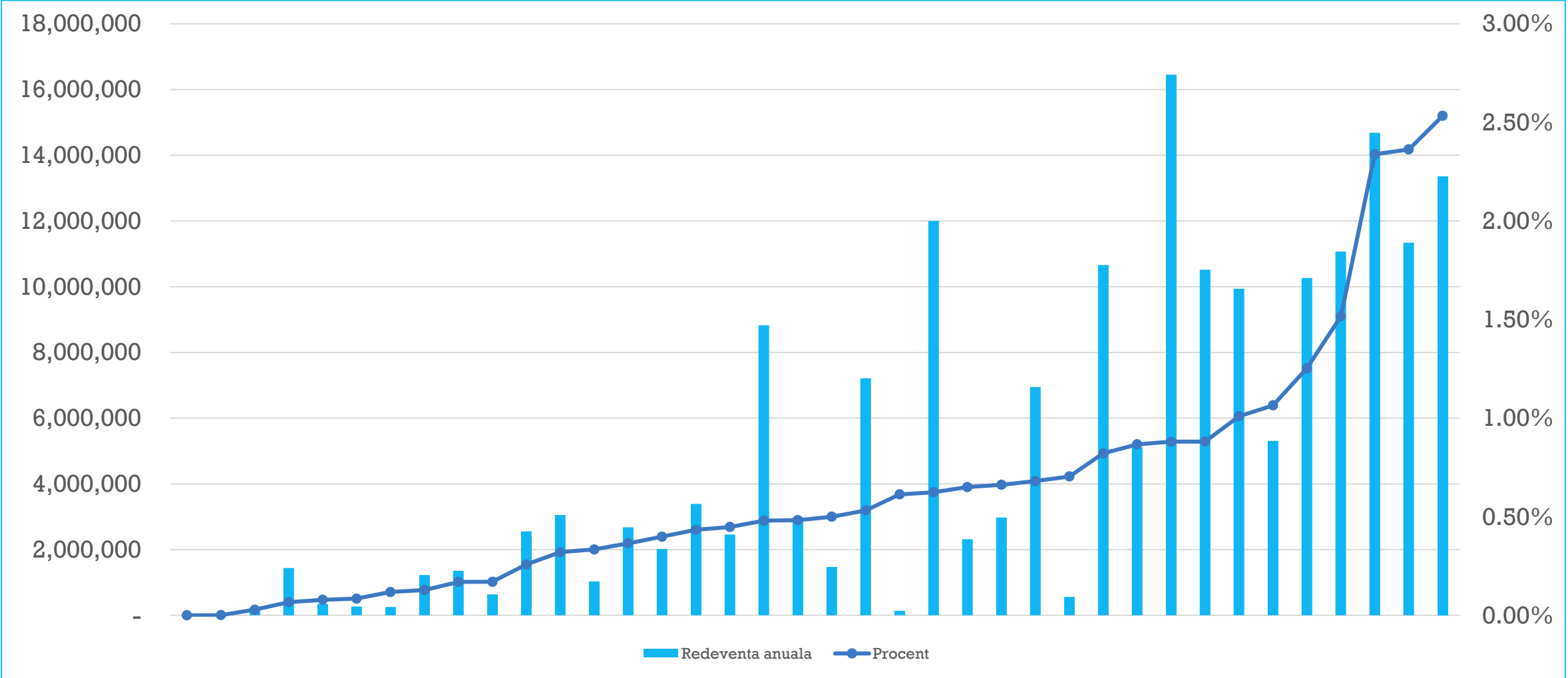


Depreciation of the assets regime

- **Private assets**
 - Depreciation according to accounting rules
- **Public assets**
 - No depreciation according to the accounting rules
 - Reflected partially by the royalty

To be included fully in the next 30 years

Royalty vs assets value, Romania



Challenges

Improving tariff structure in order to incorporate both the OPEX and CAPEX

To cope the

Finding new technical solution for providing sanitation

Moving to “green”: renewable energy and circular economy

Thank you!

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