Tallinna Vesi (TVE1T.TL)

Case Study by Thomas Giroux

Recommendation: (L) TVE1T.TL Price Target of 21.48 EUR (DCF #2 page VI)

Estimated Total Returns: ≈ 109.56 %

July 7th, 2024

EUR Ms ex per share	
Price	10.25
Shares Out	20
MC	205
Minus Cash	15
Plus Debt	100
EV	290
NI	12.8
EV/Net Incon	22.66

Ownership

Holders	% of Out	Shares 000's	Va	lue EUR 000's
City of Tallinn	55.60%	11,120	€	115,648.00
OÜ Utilitas	20.36%	42,349	€	440,427.52
Orion Asset Mgmt	0.02%	3	€	30.66

AS Tallinna Vesi, a water utility company, collects, treats, and supplies water for private houses, apartment associations, and commercial customers in Estonia. It operates through three segments: Water Services, Construction Services, and Other Services. The company provides drinking water and wastewater disposal services to approximately 23,900 private customers and businesses, and 470,000 end consumers in Tallinn and surrounding areas; and storm and wastewater collection, treatment, and disposal services. AS Tallinna Vesi was founded in 1967 and is based in Tallinn, Estonia.

Pros:

- Highly predictable business
- Acquisition offer in '21 for 14.20 EUR per share made by the City of Tallinn
- Price not reflecting intrinsic value (DCF analysis)
- Lot of leeway for share repurchase
- Room for leverage to finance repo, in accordance with peers' average (D/E)
- Temporary rise in cost of electricity (because of coal prices) hurt profitability

Cons:

- Estonia officially declared in recession in '23
- Cost of coal is quite volatile due to Russian conflict
- Local policies forced ESG spending which temporarily increased Opex + Capex

Suggestion:

In my view, the intrinsic value of TVE1T.TL is too low. I think it may be in part for the lowered gross margins. Even though Tallinna is a formidable business, it's hard for investors to see the potential investment in such a small company that's operating in a legacy industry. I think that this investor view is highly priced in the stock.

The company hasn't repurchased its shares ever but does pay a dividend since inception. The average dividend growth is a mere 5.28%. If the company redirected its dividend for a year, used a portion of its cash and optionally used more leverage (like its peers) the returns accrued would generate a conservative $\approx 40\%$ return.

Also, the company has established an 80% of net income dividend policy.

_	Histori	cal Year	ly Di	vidend	per Share	•																						_
		2013			2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		2024		2025	
_	€	0.87	€		0.90	€	0.90	€	0.90	€	0.54	€	0.36	€	0.75	€	1.00	€	0.65	€	0.65	€	0.33	€	0.55	€	0.60	
					3.45%		0.00%		0.00%		-40.00%		-33.33%		108.33%		33.33%		-35.00%		0.00%		-49.23%		66.67%		9.09%	

When analyzing Tallinna's peers in Europe and the US, it's clear that the company underutilizes leverage (84.6% D/E vs 103.38% D/E), which could in turn be used to repurchase its shares. In other words, they could finance growth by buying more of what they intimately know, their own business (instead of spending away on R&D in a mature business sector which has limited growth to offer, for instance).

		Comps USD 000's										
Stoci	k Price USD 21/05		Rev	MC	EV	LTM EPS	LTM EBITDA Margin	P/E	LTM Net Debt	P/BV(LTM)	LTM EV/EBITDA	Debt/Equity
\$	11.29	Tallinna Vesi	66,400	225,900	317,300	0.70	40.70%	16.2x	91,500	1.8x	11.5x	84,6%
\$	118.09	American Waterworks	4,234,000	22,998,700	35,061,700	4.89	52.90%	24.2x	12,063,000	2.7x	15.6x	127,1%
\$	117.55	Acciona	19,510,300	6,435,300	15,590,500	10.74	7.90%	10.9x	7,155,000	2.9x	8.8x	159%
\$	0.29	Aguas Andinas S.A.	659,700	1,758,400	2,979,900	0.02	49.10%	13.1x	1,221,400	2.8x	9.1x	146,2%
\$	35.48	The York Water Company	71,000	508,600	689,200	1.66	56.60%	21.6x	180,600	2.3x	17.3x	81,7%
\$	35.92	Artesian Resources	98,900	367,900	546,500	1.67	42.60%	21.4x	178,600	1.6x	12.9x	78,6%
\$	1.93	Greentech Environmental	104,800	236,200	219,800	0.12	21.40%	16.7x	(20,500)	2.9x	9.5x	27,7%
		Average (ex Tallinna)	4,113,117	5,384,183	9,181,267	3.18	38.42%	17.98x	3,463,017	2.53x	12.2x	103,38%
		Highest	19,510,300	22,998,700	35,061,700	10.74	56.60%	24.2x	12,063,000	2.9x	17.3x	146,2%
		Lowest	71,000	236,200	219,800	0.12	7.90%	10.9x	(20,500)	1.6x	8.8x	27,7%

The suggestion is the following, <u>redirect dividend spending for a year and 35% of the cash to repurchase the stock</u>. Doing so, would simply enable the company to invest in what they have a profound knowledge on, their own infrastructure and assets. It's also a way to increase the ROIC they've spent on maintenance capex. The following repo scenario <u>excludes</u> the usage of more leverage.

Assumptions:

millions ex per share items				Ca	sh Av
Share Price	€	10.40			
Shares Out.		20		Cas	sh
Toatl Cash	€	14.74		Divs	3
Cash Used for Repo	€	5.16	= 35%	Rep	o Fun
Total Divs Paid (FY23)	€	11.00			
Interest Expense	€	3.81		S	hares
TTM EBIT	€	17.35			
Old EPS	€	0.62			16.15
			_	€	
New Shares Out.	1	18.446		= 1.	554 m

0.73

17.74%

Cash Available for Repo											
Cash	€	5.157									
Divs	€	11.00									
Repo Funds (€	16.157									
Shares Rep	ourc	hased									
Shares Rep	ourc	hased									
Shares Rep											
16.157 mi	llio	n EUR 10.40									

Νe	ew	E٢	S

EBIT - I = 17.35 - 3.810 = 13.54 million EUR

13.54 million EUR

18.446 million shares = **0.73**

Share Buyback

€ 000's

New EPS

EPS Increase

Assumptions			
	Pre-Buyback	(-)	Post-Buyback
Net Income	12,820		12,820
Avg Diluted Shares Out (000's)	20,000	1,554	18,446
Diluted EPS	0.64		0.73

Share Price (€)	\$ 10.40	\$ 12.45
% Change		19.68%
P/E Ratio	17.05	17.05

DCF #1:

According to a simple DCF analysis, the implied share price of Tallinna is around 13 EUR per share. This model is quite conservative and still discounts the 14.20 EUR per share purchase the City of Tallinn and OU Utilitas made of Tallinna Vesi.

WACC	4.60%
Debt + Equity	216,118
Market Risk Premium	9.07%
Beta	0.22
Risk Free Rate	4.19%
Cost of Equity	6.19%
% Equity	54.18%
Equity Value	117,100
Tax Rate	21%
Cost of Debt	3.45%
% Debt	45.82%
Debt	99,018
EUR 000's	

WACC	4.60%									
TGR	2.44%									
Current Share Price	€ 10.40									
Implied Share Price	€ 12.96									
Upside %	24.62%									
000's EUR						1	2	3	4	
Income Statement	2018	2019	2020	2021	2022	2023	2024	2025	2026	202
Revenue	62,780	63,423	51,717	53,294	54,558	61,141	68,800	70,400	71,808	73,24
% growth		1%	-18%	3%	2%	12%	13%	2%	2%	29
EBIT	25,950	31,304	21,342	18,399	10,646	14,206	21,534	22,598	24,487	24,970
% of sales	41.3%	49.4%	41.3%	34.5%	19.5%	23.2%	31.3%	32.1%	34.1%	34.19
70 of 50.05	72.075	.5,.	12.070	3 11373	13.575	2012/0	32.370	32,170	0.1170	5
Taxes	1,791	3,537	4,610	2,226	2,236	1,364	2,961	3,107	3,367	3,43
% of EBIT	6.90%	11.30%	21.60%	12.10%	21.00%	9.60%	13.75%	13.75%	13.75%	13.75
D&A	5,790	6,109	6,283	6,520	6,817	8,055	7,912	8,096	8,258	8,42
% of sales	9.2%	9.6%	12.1%	12.2%	12.5%	13.2%	11.5%	11.5%	11.5%	11.59
CapEx	10,736	10,441	15,682	13,734	20,701	28,885	44,800	24,800	11,848	12,08
% of sales	17.1%	16.5%	30.3%	25.8%	37.9%	47.2%	65.1%	35.2%	16.5%	16.59
•										
Change in NWC	56,866	59,273	38,681	28,408	4,349	5,700	5,951	6,090	6,211	6,330
% of sales	90.58%	93.46%	74.79%	53.30%	7.97%	9.32%	8.65%	8.65%	8.65%	8.659
						1	2	3	4	
DCF	2018	2019	2020	2021	2022	2023	2024	2025	2026	202
Revenue	62,780	63,423	51,717	53,294	54,558	61,141	68,800	70,400	71,808	73,24
% growth		1%	-18%	3%	2%	12%	13%	2%	2%	29
EBIT	25,950	31,304	21,342	18,399	10,646	14,206	21,534	22,598	24,487	24,97
% margin	41.3%	49.4%	41.3%	34.5%	19.5%	23.2%	31.3%	32.1%	34.1%	34.19
Taxes	1,791	3,537	4,610	2,226	2,236	1,364	4,522	4,746	5,142	5,24
% of EBIT	6.90%	11.30%	21.60%	12.10%	21.00%	9.60%	21.00%	21.00%	21.00%	21.009
76 OJ EBIT	0.3070	11.50%	21.00%	12.10/0	21.00%	3.00%	21.00%	21.00%	21.00%	21.00
EBIAT	24,159	27,767	16,732	16,173	8,410	12,842	17,012	17,853	19,344	19,73
D&A	5,790	6,109	6,283	6,520	6,817	8,055	7,912	8,096	8,258	8,42
% of sales	9.2%	9.6%	12.1%	12.2%	12.5%	13.2%	11.5%	11.5%	11.5%	11.5
CapEx	10,736	10,441	15,682	13,734	20,701	28,885	44,800	24,800	11,848	12,08
% of sales	17.1%	16.5%	30.3%	25.8%	37.9%	47.2%	65.1%	35.2%	16.5%	16.5
io of suics	17.1/0	10.570	30.370	23.070	37.370	77.2/0	03.170	33.270	10.370	10.5
Change in NWC	56,866	59,273	38,681	28,408	4,349	5,700	5,951	6,090	6,211	6,330
% of sales	90.58%	93.46%	74.79%	53.30%	7.97%	9.32%	8.65%	8.65%	8.65%	8.659
Unlevered FCF						(13,688)	(25,827)	(4,941)	9,543	9,73
Present Value of FCF						(13,086)	(23,605)	(4,317)	7,971	7,77
						(==,000)	(==,000)	(-,,==-)	.,=	
Terminal Value	al value									461,61
Present Value of Termin	ai vaiue									368,65
Enterprise Value										343,39
Add Cash										14,74
Sub Debt										99,02 259,11
Equity Value										

DCF #2 (With Gross Margin and Discount Rate Matrix)

TVE1T.TL also spent a lot of its net income on CapEx to build renewable electricity sources by 2030. Although the CapEx spending was aggressive (as mentioned previously), it should increase gross margins to 65% - 70% in 2026 and onwards. Gross margins before the coal price increase in 2020 were 66%, 63% and 62% respectively from 2017 to 2020. With cheaper and predictable electricity prices it's very safe to say that 70% can be achieved.

Intrinsic Value Matrix (X axis = discount rate, Y axis = gross margin)

		3%		4%		5%		6%		7%		8%		9%		10%		11%
40%	€	12.16	€	11.46	€	10.82	€	10.23	€	9.69	€	9.20	€	8.75	€	8.34	€	7.96
45.0%	€	13.72	€	12.91	€	12.17	€	11.49	€	10.88	€	10.31	€	9.80	€	9.32	€	8.88
50.0%	€	15.27	€	14.35	€	13.52	€	12.76	€	12.06	€	11.43	€	10.84	€	10.31	€	9.81
55.0%	€	16.82	€	15.80	€	14.87	€	14.02	€	13.25	€	12.54	€	11.89	€	11.29	€	10.74
60.0%	€	18.37	€	17.25	€	16.22	€	15.29	€	14.43	€	13.65	€	12.93	€	12.27	€	11.67
65.0%	€	19.93	€	18.69	€	17.57	€	16.55	€	15.62	€	14.76	€	13.98	€	13.26	€	12.60
70.0%	€	21.48	€	20.14	€	18.92	€	17.81	€	16.80	€	15.87	€	15.02	€	14.24	€	13.52
75.0%	€	23.03	€	21.59	€	20.28	€	19.08	€	17.98	€	16.98	€	16.07	€	15.22	€	14.45

The average price for the rectangle in the matrix (which is the range for the most probable outcome) is 17.85 EUR or a 42.5% increase from 10.25 EUR.

From the Buffett approach of discounting with the long-term bond rate (Estonian 10 year with an average yield of 2.28%), we can discount at a rounded 3% and use a 70% gross margin, representing a price target of **21.48 EUR**. These cash flows are very predictable because of the monopolistic nature of the company and the underlying basic needs the company fulfills.

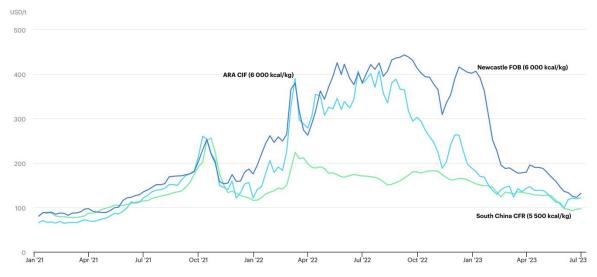
Operating Costs = Electricity Costs:

The stock peaked in August of 2021 with The City of Tallinn and OU Utilitas buying blocks of Tallinna at the 14.20 EUR price point. Afterwards, the rise in operating costs (almost entirely electricity costs) ate through operating margins, all while the company was conducting cyclical maintenance on its infrastructure, which already put financial stress on the company. Estonia's main way of generating electricity is with coal, and in late 2021 the price of coal saw a sharp increase due to early tensions from the Russia-Ukraine conflict.

Opera	atino	costs
Opon	attitio	JOOGLO

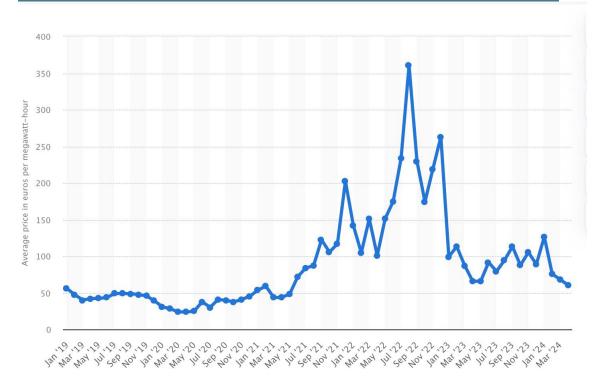
_ 1											
<i>EUR 000's</i>		2019		2020		2021		2022		2023	
Revenue		63,423		51,717		53,294		54,558		61,141	
growth				-18.46%		3.05%		2.37%		12.07%	/
Operatingcosts (electricity)		29,470		29,491		32,715		37,660		37,074	
growth				0.07%		10.93%		15.12%		-1.56%	
OperatingIncome (excl. S,G&A)		33,953		22,226		20,579		16,898		24,067	
margin %		53.53%		42.98%		38.61%		30.97%		39.36%	\sim
Price of Electricity in Estonia (EUR/MW-H)	€	55.79	€	30.82	€	53.57	€	141.86	€	99.38	
growth				-44.76%		73.82%		164.81%		-29.95%	





Price of coal

Average Monthly Wholesale Electricity Price in Estonia (EUR/Megawatt-hour)



Below is the high CapEx environment under which Tallinna operated to update its infrastructures (P, P & E) to meet regulatory requirements. A simple P, P & E Turnover analysis is also included to showcase how much more revenue Tallinna generates with its renewed P, P & E against peers:

Revenue (000's EUR) 46,300 45,676 54,558 61,141 64,198 67,408 EBITDA (millions EUR) 28,070 25,300 18,140 25,400 29,700 30,300 Cash 000's EUR 42,878 34,907 12,650 17,436 20,923 25,108 growth -18,59% -63,76% 37,83% 20,00% 20,00% Net Book Value 000's EUR (16,059) (14,259) (20,701) (28,885) (25,996.5) (23,396.9) growth -11,21% 45,18% 39,53% -10,00% -10,00% Land and Buildings 19,198 19,065 19,356 19,542 19,737 19,935 growth 162,569 162,615 186,699 206,043 226,647 249,312 Bacilities 162,569 162,615 186,699 206,043 226,647 249,312 growth 10,471 11,144 15,866 18,405 21,166 24,341 Gonstruction in progress 8,799 12,052 6,151 <th></th> <th>2020</th> <th>2021</th> <th>2022</th> <th>2023</th> <th>2024</th> <th>2025</th>		2020	2021	2022	2023	2024	2025
EBITDA (millions EUR) margin 28,070 60.63% 55.39% 33.25% 41.54% 46.26% 44.95% Cash 000's EUR ### 42,878 ### 43,878 ### 43,805 ### 43,805 ### 43,805 ### 43,805 ### 43,805 ###	Revenue (000's EUR)	46,300	45,676	54,558	61,141	64,198	67,408
Cash 000's EUR 42,878 34,907 12,650 17,436 20,923 25,108 Ret Book Value 000's EUR 42,878 34,907 12,650 17,436 20,923 25,108 Acquisition of P, P & E (CapEx) growth (16,059) (14,259) (20,701) (28,885) (25,996.5) (23,396.9) Bund and Buildings 19,198 19,065 19,356 19,542 19,737 19,935 growth 162,569 162,615 186,699 206,043 226,647 249,312 growth 10,471 11,144 15,866 18,405 21,166 24,341 growth 6,43% 42,37% 16,00% 15,00% 15,00% Construction in progress 8,799 12,052 6,151 9,025 9,206 9,390 Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 growth 202,802 206,546 229,869 256,108 281,719 309,891 10 al Right-of-use assets 1,765	growth		-1.35%	19.45%	12.07%	5.00%	5.00%
Cash 000's EUR growth A2,878 34,907 12,650 17,436 20,923 25,108 20.00% 20.00% Net Book Value 000's EUR Acquisition of P, P & E (CapEx) growth 19,198 19,198 19,065 19,356 19,356 19,542 19,737 19,935 growth 162,569 162,615 186,699 206,043 226,647 249,312 growth 10,471 11,144 15,866 18,405 21,166 24,341 growth Construction in progress 8,799 12,650 1,639 16,439 16,009 15,009 16,001 16,005 16,001 16,005 16,001 16,005 16,001 16,005	EBITDA (millions EUR)	28,070	25,300	18,140	25,400	29,700	30,300
growth -18.59% -63.76% 37.83% 20.00% 20.00% Net Book Value 000's EUR Acquisition of P, P & E (CapEx) growth (16,059) (14,259) (20,701) (28,885) (25,996.5) (23,396.9) Acquisition of P, P & E (CapEx) growth 19,198 19,065 19,356 19,542 19,737 19,935 Land and Buildings growth 162,569 162,615 186,699 206,043 226,647 249,312 Facilities growth 10,33% 14.81% 10,36% 10,00% 10,00% 10,00% Machinery and Equipment growth 10,471 11,144 15,866 18,405 21,166 24,341 growth 6,43% 42,37% 16,00% 15,00% 15,00% 15,00% Construction in progress growth 36,97% -48,96% 46,72% 2,00% 2,00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 Total P, P & E 202,802 206,546 229,869 256,108 281,719 309,891 Total P, P & E Turnover €<	margin	60.63%	55.39%	33.25%	41.54%	46.26%	44.95%
growth -18.59% -63.76% 37.83% 20.00% 20.00% Net Book Value 000's EUR Acquisition of P, P & E (CapEx) growth (16,059) (14,259) (20,701) (28,885) (25,996.5) (23,396.9) Acquisition of P, P & E (CapEx) growth 19,198 19,065 19,356 19,542 19,737 19,935 Land and Buildings growth 162,569 162,615 186,699 206,043 226,647 249,312 Facilities growth 10,33% 14.81% 10,36% 10,00% 10,00% 10,00% Machinery and Equipment growth 10,471 11,144 15,866 18,405 21,166 24,341 growth 6,43% 42,37% 16,00% 15,00% 15,00% 15,00% Construction in progress growth 36,97% -48,96% 46,72% 2,00% 2,00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 Total P, P & E 202,802 206,546 229,869 256,108 281,719 309,891 Total P, P & E Turnover €<							
Net Book Value 000's EUR Acquisition of P, P & E (CapEx) growth (16,059) (14,259) (20,701) (28,885) (25,996.5) (23,396.9) Land and Buildings 19,198 19,065 19,356 19,542 19,737 19,935 growth -0.69% 1.53% 0.96% 1.00% 1.00% Facilities 162,569 162,615 186,699 206,043 226,647 249,312 growth 0.03% 14.81% 10.36% 10.00% 10.00% Machinery and Equipment 10,471 11,144 15,866 18,405 21,166 24,341 growth 6.43% 42.37% 16.00% 15.00% 15.00% Construction in progress 8,799 12,052 6,151 9,025 9,206 9,390 growth 36.97% -48.96% 46.72% 2.00% 2.00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 growth -5.38% 7.60% 72.12% -41.80% 0.00% Total P, P & E 202,802	Cash 000's EUR	42,878	34,907	12,650	17,436	20,923	25,108
Acquisition of P, P & E (CapEx) growth Land and Buildings 19,198 19,065 19,356 19,542 19,737 19,935 growth 162,569 162,615 186,699 206,043 226,647 249,312 growth 10,471 11,144 15,866 18,405 20,701 15,00% 10,00%	growth		-18.59%	-63.76%	37.83%	20.00%	20.00%
growth -11.21% 45.18% 39.53% -10.00% -10.00% Land and Buildings 19,198 19,065 19,356 19,542 19,737 19,935 growth -0.69% 1.53% 0.96% 1.00% 1.00% Facilities 162,569 162,615 186,699 206,043 226,647 249,312 growth 0.03% 14.81% 10.36% 10.00% 10.00% Machinery and Equipment 10,471 11,144 15,866 18,405 21,166 24,341 growth 6.43% 42.37% 16.00% 15.00% 15.00% Construction in progress 8,799 12,052 6,151 9,025 9,206 9,390 growth 36.97% -48.96% 46.72% 2.00% 2.00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 growth -5.38% 7.60% 72.12% -41.80% 0.00% Total P, P&E 202,802 206,546 229,869 256,108 281,719 309,891 <t< td=""><td>Net Book Value 000's EUR</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Net Book Value 000's EUR						
growth -11.21% 45.18% 39.53% -10.00% -10.00% Land and Buildings 19,198 19,065 19,356 19,542 19,737 19,935 growth -0.69% 1.53% 0.96% 1.00% 1.00% Facilities 162,569 162,615 186,699 206,043 226,647 249,312 growth 0.03% 14.81% 10.36% 10.00% 10.00% Machinery and Equipment 10,471 11,144 15,866 18,405 21,166 24,341 growth 6.43% 42.37% 16.00% 15.00% 15.00% Construction in progress 8,799 12,052 6,151 9,025 9,206 9,390 growth 36.97% -48.96% 46.72% 2.00% 2.00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 growth -5.38% 7.60% 72.12% -41.80% 0.00% Total P, P&E 202,802 206,546 229,869 256,108 281,719 309,891 <t< td=""><td>Acquisition of P. P & F (CapEx)</td><td>(16.059)</td><td>(14.259)</td><td>(20.701)</td><td>(28.885)</td><td>(25.996.5)</td><td>(23.396.9)</td></t<>	Acquisition of P. P & F (CapEx)	(16.059)	(14.259)	(20.701)	(28.885)	(25.996.5)	(23.396.9)
Facilities 162,569 162,615 186,699 206,043 226,647 249,312 growth 10.00%	, , ,	(10,000)		, , ,	` ' '	` ' '	
Facilities 162,569 162,615 186,699 206,043 226,647 249,312 growth 10.00%							
Facilities 162,569	Land and Buildings	19,198	19,065	19,356	19,542	19,737	19,935
growth 0.03% 14.81% 10.36% 10.00% 10.00% Machinery and Equipment 10,471 11,144 15,866 18,405 21,166 24,341 growth 6.43% 42.37% 16.00% 15.00% 15.00% Construction in progress 8,799 12,052 6,151 9,025 9,206 9,390 growth 36.97% -48.96% 46.72% 2.00% 2.00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 growth -5.38% 7.60% 72.12% -41.80% 0.00% Total P, P & E 202,802 206,546 229,869 256,108 281,719 309,891 growth 1.85% 11.29% 11.41% 10.00% 10.00% P, P & E Turnover € 0.23 € 0.22 € 0.22 € 0.24 € 0.24 € 0.24 € 0.23 € 0.22 € 0.23 € 0.22	growth		-0.69%	1.53%	0.96%	1.00%	1.00%
Machinery and Equipment 10,471 11,144 15,866 18,405 21,166 24,341 growth 6.43% 42.37% 16.00% 15.00% 15.00% 15.00% Construction in progress 8,799 12,052 6,151 9,025 9,206 9,390 growth 36.97% -48.96% 46.72% 2.00% 2.00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 growth -5.38% 7.60% 72.12% -41.80% 0.00% Total P, P & E 202,802 206,546 229,869 256,108 281,719 309,891 growth 1.85% 11.29% 11.41% 10.00% 10.00% P, P & E Turnover € 0.23 € 0.22 € 0.24 € 0.23 € 0.22	Facilities	162,569	162,615	186,699	206,043	226,647	249,312
growth 6.43% 42.37% 16.00% 15.00% 15.00% Construction in progress 8,799 12,052 6,151 9,025 9,206 9,390 growth 36.97% -48.96% 46.72% 2.00% 2.00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 growth -5.38% 7.60% 72.12% -41.80% 0.00% Total P, P & E 202,802 206,546 229,869 256,108 281,719 309,891 growth 1.85% 11.29% 11.41% 10.00% 10.00% P, P & E Turnover € 0.23 € 0.22 € 0.24 € 0.24 € 0.24 € 0.23 € 0.22 € 0.23 € 0.22	growth		0.03%	14.81%	10.36%	10.00%	10.00%
Construction in progress 8,799 12,052 6,151 9,025 9,206 9,390 growth 36.97% -48.96% 46.72% 2.00% 2.00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 growth -5.38% 7.60% 72.12% -41.80% 0.00% Total P, P & E 202,802 206,546 229,869 256,108 281,719 309,891 growth 1.85% 11.29% 11.41% 10.00% 10.00% P, P & E Turnover € 0.23 € 0.22 € 0.24 € 0.23 € 0.22	Machinery and Equipment	10,471	11,144	15,866	18,405	21,166	24,341
growth 36.97% -48.96% 46.72% 2.00% 2.00% Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 growth -5.38% 7.60% 72.12% -41.80% 0.00% Total P, P & E 202,802 206,546 229,869 256,108 281,719 309,891 growth 1.85% 11.29% 11.41% 10.00% 10.00% P, P & E Turnover € 0.23 € 0.22 € 0.24 € 0.24 € 0.23 € 0.22	growth		6.43%	42.37%	16.00%	15.00%	15.00%
Total Right-of-use assets 1,765 1,670 1,797 3,093 1,800 1,800 $ext{growth}$ 1,765 1,670 1,797 3,093 1,800 1,800 1,800 $ext{Total P, P\&E}$ 202,802 206,546 229,869 256,108 281,719 309,891 1.85% 11.29% 11.41% 10.00% 10.0	Construction in progress	8,799	12,052	6,151	9,025	9,206	9,390
growth -5.38% 7.60% 72.12% -41.80% 0.00% Total P, P & E 202,802 206,546 229,869 256,108 281,719 309,891 1.85% 11.29% 11.41% 10.00% 10.00% P, P & E Turnover € 0.23 € 0.22 € 0.24 € 0.23 € 0.22 4 Year Avg. € 0.23 € 0.23 € 0.23 € 0.24 € 0.23 € 0.22	growth		36.97%	-48.96%	46.72%	2.00%	2.00%
Total P, P & E growth 202,802 206,546 229,869 256,108 281,719 309,891 1.85% 11.29% 11.41% 10.00% 1	Total Right-of-use assets	1,765	1,670	1,797	3,093	1,800	1,800
growth 1.85% 11.29% 11.41% 10.00% 10.00% P, P & E Turnover € 0.23 € 0.22 € 0.24 € 0.24 € 0.23 € 0.22 4 Year Avg.	growth		-5.38%	7.60%	72.12%	-41.80%	0.00%
P, P & E Turnover € 0.23 € 0.22 € 0.24 € 0.24 € 0.23 € 0.22	Total P, P & E	202,802	206,546	229,869	256,108	281,719	309,891
4 Year Avg. € 0.23	growth		1.85%	11.29%	11.41%	10.00%	10.00%
· · · · · · · · · · · · · · · · · · ·	P, P & E Turnover	€ 0.23	€ 0.22	€ 0.24	€ 0.24	€ 0.23	€ 0.22
· · · · · · · · · · · · · · · · · · ·	4 Year Avg.				€ 0.23		
		l			\$ 0.25		

	mps P, P	&	E Turnover							
American Waterworks 000's USD		2020		2021		2022		2023	4 Y	ear Avg.
Revenue	3	,777,000		3,930,000	;	3,792,000	4	4,234,000		
Net PPE	19	,805,000		21,176,000	2	3,305,000	2!	5,524,000	<u> </u>	
PPE Turnover	\$	0.19	\$	0.19	\$	0.16	\$	0.17	\$	0.18
Aguas Andinas S.A.									 	
Revenue		673,855		594,436		683,266		730,978		
Net PPE	2	,212,428		1,951,772	:	2,022,111	2	2,064,169		
PPE Turnover	\$	0.30	\$	0.30	\$	0.34	\$	0.35	\$	0.33
The York Water Company										
Revenue		53,852		55,119		60,061		71,031	 	
Net PPE		344,365		383,626		431,901		495,273		
PPE Turnover	\$	0.16	\$	0.14	\$	0.14	\$	0.14	\$	0.15
Artesian Resources									<u> </u>	
Revenue		88,141		90,859		98,897		98,861	į	
Net PPE		563,817		594,633		672,238		718,483] 	
PPE Turnover	\$	0.16	\$	0.15	\$	0.15	\$	0.14	\$	0.15
PPE Turnover 4 Yr Comps Avg.									\$	0.20
Tallinna Vesi PPE Turnover 4 Yr Avg.									\$	0.25

25.69%

The results of the model showcase that Tallinna generates \$0.25 for every USD of net P, P & E vs \$0.20 for its peers. Note that Acciona and Greentech have been deducted from this comp analysis because they benefit more from government aid to alleviate D & A expenses which would corrupt the model.

Bottom Line (Summary):

According to a comps analysis, Tallinna is more efficient (higher P, P & E Turnover rate vs peers), it has higher margins and is cheaper. A good way to support this view is the heavily discounted P/BV vs peers (1.8x vs 2.53x). Moreover, my DCF analysis puts the IV of Tallinna Vesi at 12.96 EUR, or a 24.62% upside potential. The company also trades at an attractive 9.74x forward EBITDA price point at current levels (next two FY's).

The opportunity comes in the form of a share repurchase which has never been done by the company. The company can undergo this exercise with or without leverage. Indeed, if the company redirects next year's dividend and uses a bit of its cash pile (which it can now safely tap into,

because most of the CapEx and facility maintenance expenses are in the past) it could repurchase a significant amount of its outstanding shares and increase EPS to 0.73 EUR (previously 0.64 EUR) resulting in a $\approx 20\%$ increase in share price. If the company does decide to use leverage (increase its D/E to its peers' level) it would obviously be able to repurchase more shares.

In sum, by combining the DCF analysis, the repurchase scenario, the comps analysis ant the City of Tallin/ OU Utilitas bid for TVE1T at the 14.20 EUR level, the price target is set at a very conservative 14.50 EUR price point, or 39.42% upside potential.

Financials:

EUR Millions	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Revenue	59.82	62.8	63.42	51.72	53.29	54.55	61.1	65.8	66.8	67.8	68.8	69.8	70.9	71.9	73.0	74.1	75.2	76.4	77.5	78.7
COGS	20.15	23.4	24.05	23.97	26.99	31.73	30.07	32.2	20.0	20.3	20.6	21.0	21.3	21.6	21.9	22.2	22.6	22.9	23.3	23.6
Gross Profit	39.67	39.4	39.37	27.75	26.3	22.82	31.03	33.6	46.8	47.5	48.2	48.9	49.6	50.4	51.1	51.9	52.7	53.5	54.3	55.1
SG&A	5.03	5.1	5.74	4.68	4.58	4.72	5.60	5.0	5.0	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3	5.3
R&D	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Income(exp)	-17.84	-1.84	4.2	4.57	3.1	-0.48	-0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Operating Expenses	22.87	6.94	1.54	0.11	1.48	5.2	6.22	5.0	5.0	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3	5.3
Operating Profit	16.8	32.46	37.83	27.64	24.82	17.62	24.81	28.6	41.7	42.4	43.1	43.8	44.5	45.2	45.9	46.7	47.4	48.2	49.0	49.8
Interest Income (exp)	-0.94	-0.99	-0.77	-0.44	-0.38	-0.67	-3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pretax income	15.86	31.47	37.06	27.2	24.44	16.95	21.71	28.6	41.7	42.4	43.1	43.8	44.5	45.2	45.9	46.7	47.4	48.2	49.0	49.8
Taxes	2.7	1.8	3.54	4.6	2.2	2.24	1.36	3.1	4.6	4.7	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.4	5.5
Net Income	13.16	29.67	33.52	22.6	22.24	14.71	20.35	25.5	37.1	37.7	38.3	39.0	39.6	40.2	40.9	41.5	42.2	42.9	43.6	44.3
Shares	20	20	20	20	20	20	20	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
EPS	2.99	3.14	3.17	2.59	2.66	2.73	3.06	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.9	3.9
LIO	2.00	0.14	0.17	2.00	2.00	2.70	0.00	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0
Gross Margin %	66%	63%	62%	54%	49%	42%	51%	51%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%
Operating Margin %	28%	52%	60%	53%	47%	32%	41%	44%	62%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%
Net Margin %	22%	47%	53%	44%	42%	27%	33%	39%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%	56%
Net Haigii 70	2270	47 70	3370	4470	4270	2770	3370	3370	3070	3070	3070	3070	3070	3070	3070	3070	3070	3070	3070	3070
Taxe Rate %	17%	6%	10%	17%	9%	13%	6%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%	11%
Taxe hate 70	1770	070	1070	1770	370	1370	070	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170
Revenue Y/Y		5%	1%	-18%	3%	2%	12%	8%	1%	1%	2%	2%	2%	1%	1%	1%	2%	1%	1%	1%
nevenue 1/1		370	170	-1070	370	270	1270	070	170	170	270	270	270	170	170	170	270	170	170	170
Cash	44.97	61.77	64.78	44.5	36.56	12.65	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74
A/R	7.72	7.63	7.24	6.4	6.64	8.99	8.61	7.60	7.59	7.58	7.63	7.81	7.97	7.83	7.72	7.73	7.75	7.78	7.80	7.80
Inventories/Stock	0.46	0.5	0.5	0.7	0.04			0.74	0.78		0.86	0.88		0.87	0.84	0.85	0.86	0.87	0.87	0.87
inventories/Stock	0.46	0.5	0.5	0.7	0.7	1.2	1.1	0.74	0.78	0.82	0.86	0.88	0.91	0.87	0.84	0.85	0.86	0.87	0.87	0.87
Current Assets Total	53.15	69.9	72.52	51.6	43.9	22.84	24.45	23.08	23.10	23.14	23.23	23.43	23.62	23.44	23.29	23.32	23.35	23.38	23.41	23.40
Current Assets Total	33.13	09.9	72.32	31.0	43.5	22.04	24.45	23.00	23.10	23.14	23.23	23.43	23.02	23.44	23.25	23.32	23.33	23.30	23.41	23.40
PP&E	285.9	294.7	309.4	326.9	340.5	360.9	391.5	412.64	434.92	458.41	483.16	509.25	536.75	565.74	596.29	628.49	662.43	698.20	735.90	775.64
Accum Depreciation	111.5	115.5	119.8	124.1	128.9	131	135.4	155.40	163.79	172.64	181.96	191.79	202.14	213.06	224.56	236.69	249.47	262.94	277.14	292.11
Net PP&E	174.4	179.2	189.6	202.8	211.6	229.9	256.1	257.24	271.13	285.77	301.20	317.47	334.61	352.68	371.73	391.80	412.96	435.26	458.76	483.53
	0.81		0.71	0.63	0.73	0.69	1.29	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
Intangibles	175.21	0.67 179.87	190.31	203.43	212.33	230.59	257.39	258.03	271.92	286.56	301.99	318.26	335,40	353,47	372.52	392.59	413.75	436.05	459,55	484.32
LT Assets	1/5.21	1/9.8/	190.31	203.43	212.33	230.59	257.39	258.03	2/1.92	286.56	301.99	318.26	335.40	353.47	3/2.52	392.59	413.75	436.05	459.55	484.32
Total Assets	227.55	249.77	262.83	255.03	256.23	253.43	281.84	281.11	295.03	309.70	325.23	341.69	359.03	376.91	395.81	415.91	437.10	459.43	482,96	507.73
TOTAL MSSELS	227.55	249.77	202.03	255.05	236.23	200.40	201.04	201.11	295.05	309.70	323.23	341.09	339.03	3/0.91	393.01	415.91	437.10	459.45	402.90	307.73
Liabilities																				
	6.2	6.05	6.7	7.09	7.84	10.23	10.9	11.45	12.02	12.62	13.25	13.91	14.61	15.34	16.10	16.91	17.75	18.64	19.57	20.55
Payables ST Debt	0.84	3.63	3.63	3.63	3.63	3.63	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	0.84		0.35	0.39	0.42	0.9	0.7	0.74	0.77	0.81	0.85	0.89	0.94	0.98	1.03	1.09			1.26	1.32
ST Lease Liabilities	2.61	0.19 2.96		2.45		3.75		3.74	3.89			4.38		4.74	4.93		1.14	1.20 5.54	5.76	5.99
Defered Revenue			2.32		3.6		3.6			4.05	4.21		4.56			5.12	5.33			
TCL	9.65	12.83	13.0	13.56	15.49	18.51	18.8	19.52	20.28	21.08	21.91	22.78	23.70	24.66	25.67	26.72	27.82	28.98	30.20	31.47
ITD-4ID	40.00	00.75	04.07	04.50	07.04	00.45	44.05	40.00	40.00	54.00	54.07	50.00	50.04	00.00	05.07	00.07	70.70	70.07	00.40	0440
LT Defered Revenue	19.63	22.75	31.07	34.56	37.24	39.15	44.65	46.88	49.23	51.69	54.27	56.99	59.84	62.83	65.97	69.27	72.73	76.37	80.18	84.19
LT Leases	0	0.62	0.96	1.4	1.24	1.61	1.9	2.00	2.09	2.20	2.31	2.42	2.55	2.67	2.81	2.95	3.09	3.25	3.41	3.58
LTDebt	95.57	91.3	87.59	83.98	80.34	76.71	92.84	92.84	92.84	92.84	92.84	92.84	92.84	92.84	92.84	92.84	92.84	92.84	92.84	92.84
Provisions	17.52	19.07	14.44	9.63	6.02	6.02	6.02	5.84	5.66	5.49	5.33	5.17	5.01	4.86	4.72	4.58	4.44	4.31	4.18	4.05
Defered Taxes	0	0	0	0.26	0.37	0.49	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.59	0.60	0.61	0.62	0.63	0.65	0.66
OLTL	0.22	0.22	0.02	0.03	0.06	0.1	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17
TLL	132.941	133.96	134.08	129.86	125.27	124.08	146.05	148.21	150.49	152.90	155.44	158.13	160.96	163.94	167.08	170.40	173.88	177.56	181.43	185.50
* - 111 1200	440.50:	440 ==	4.47.05	4 40 4-	4.40 775	4.40.55	404.0-	407.75	470 7	470.00	477.0	400.0:	4040-	400.0-	100 75	407.46	004 7:	000 5 :	044.0-	040.00
Total Liabilities	142.591	146.79	147.08	143.42	140.76	142.59	164.85	167.73	170.77	173.98	177.36	180.91	184.66	188.60	192.75	197.12	201.71	206.54	211.62	216.96