

Water Efficiency

Saving Visit

Prepared for

Cambo County First School | Paula Cummings

Spid: 3022919425W18

Date of visit: 23/03/2026

Executive Summary

Key Auditor Observations

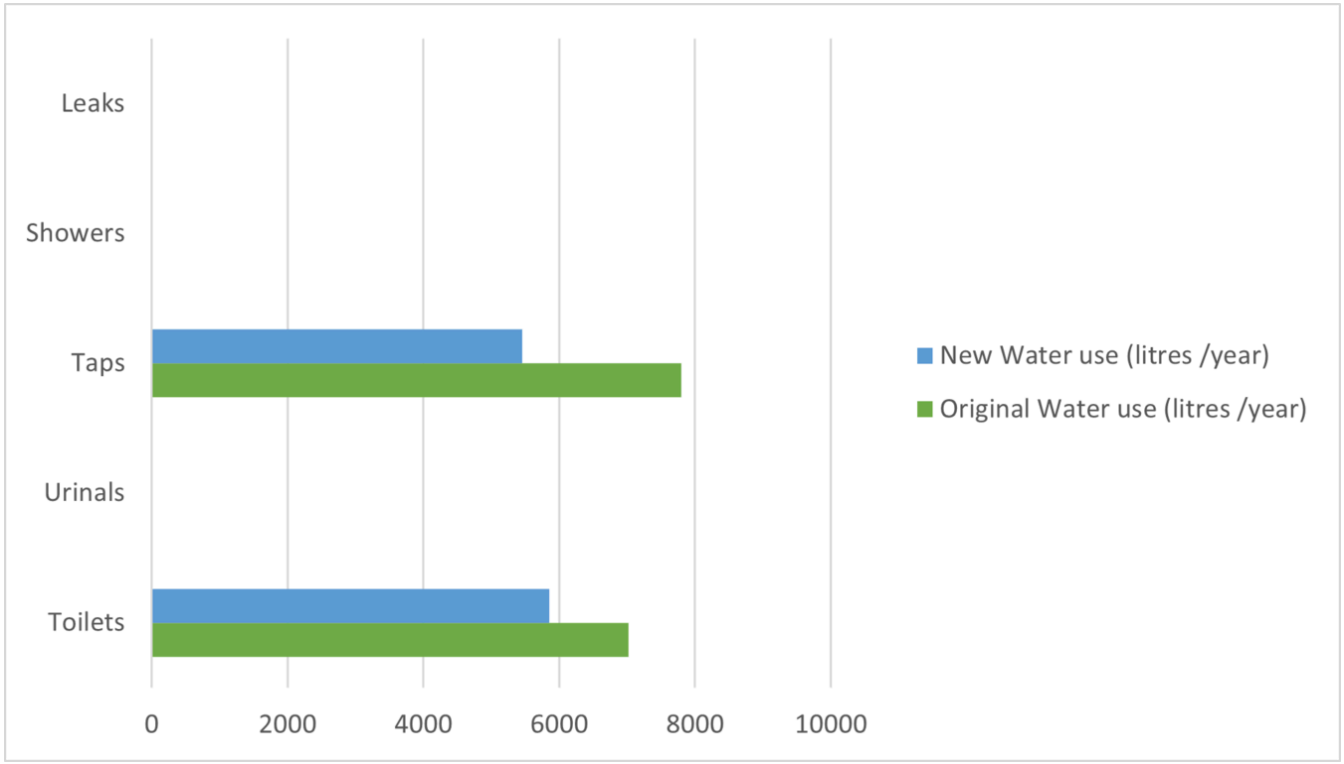
- Auditor: Andy Bates
- Water is heated using gas boilers.
- Circa 18 taps were assessed, with nearly all having varied flow rates with the average being 6 litres per minute. Due to compatibility of existing fittings, it was only possible to fit aerators onto 2 taps.
- Toilets on site have flush volumes of 4.5 or 6 litres, all toilets with exposed 6 L cisterns received a displacement bag.
- There were no urinals on site.
- There were no showers on site.
- No leaks were found on site.
- The school did not have high water demand due to its location.



Interventions Summary - Retrofits

A summary of the retrofit install interventions carried out on the day

£16	**18**	**45**	**0.01**
Annual energy & water bill (£s)	Litres saved per day (L)	Annual energy saved (kWh)	Annual carbon saved (tonne CO_2)



Interventions Summary

Original Water Usage				
Use	Original Water use (litres /year)	Annual water / wastewater charges	Annual energy consumed (kWh)	Carbon emitted (tonne co2)
Toilets	7020	£25	0	0.00
Urinals	0	£0	0	0.00
Taps	7800	£27	150	0.03
Showers	0	£0	0	0.00
Leaks	0	£0	0	0.00
Totals	14820.0	£51.87	150.2	0.0

New Water Usage				
Use	New Water use (litres /year)	Annual water / wastewater charges	Annual energy consumed (kWh)	Carbon emitted (tonne co2)
Toilets	5850	£20	0	0.00
Urinals	0	£0	0	0.00
Taps	5460	£19	105	0.02
Showers	0	£0	0	0.00
Leaks	0	£0	0	0.00
Totals	11310.0	£39.59	105.1	0.0
% Saving	23.68%	23.68%	30.00%	28.93%
Saving Quantity	3510	£12.29	45	0.01
Energy Savings (£)	£3.60			

Interventions Summary

Intervention Scope

Area Name	Fitting type	Intervention Type	Quantity	Current flow rate (L/min)	Water per flush	Estimated minutes used per day per fixture	Estimated actuations per day	Solution	Quantity	New flow rate (L/min)	New water per flush	Estimated minutes used per day per fixture	Estimated actuations per day	Annual Water Savings (L)
Staff toilet	Bathroom pillar taps	Taps	2	5		4		Aerator install 3.5 LPM	2	3.5	3.5	4	0	2340.00
Staff toilets	Single flush toilet- lever flush on cistern	Toilets	1		6		4	Save a Flush - Water Displacement Bag	1	5	5	0	4	780.00
Kitchen staff toilet	Dual flush toilet - button on cistern	Toilets	1		6		2	Save a Flush - Water Displacement Bag	1	5	5	0	2	390.00

Metering and Leaks

Leak and Flow Test

- The stop tap is located in the water meter chamber.
- The auditor was unable to access the stop tap as the meter was fitted in the way of access.
- None of the pipework was found to be lead.





Projects Summary

A summary of the benefits of the proposed project work

£25

Annual energy and water bill savings

£804

Investment required

32 Years

Return on investment

>0

Year one carbon savings (tonne CO2)

>0

Annual energy saved (kWH)

37

Litres saved per day

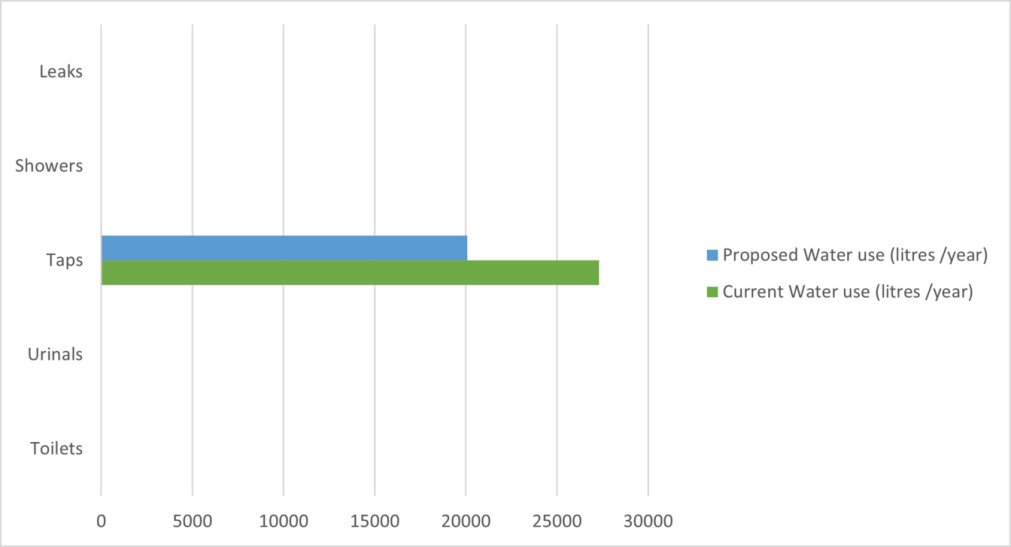
£ per l/day 21.73

Projects Summary

A summary of the proposed project upgrades

Current Water Usage

Use	Current Water use (litres /year)	Annual water / wastewater charges	Annual energy consumed (kWh)	Carbon emitted (tonne co2)
Toilets	0	£0.00	0	0.00
Urinals	0	£0.00	0	0.00
Taps	27300	£95.55	0	0.01
Showers	0	£0.00	0	0.00
Leaks	0	£0.00	0	0.00
Totals	27300.0	£95.55	0.0	0.0



Proposed Water Usage

Use	Proposed Water use (litres /year)	Annual water / wastewater charges	Annual energy consumed (kWh)	Carbon emitted (tonne co2)
Toilets	0	£0.00	0	0.00
Urinals	0	£0.00	0	0.00
Taps	20085	£70.30	0	0.01
Showers	0	£0.00	0	0.00
Leaks	0	£0.00	0	0.00
Totals	20085.0	£70.30	0.0	0.0
% Saving	26.43%	26.43%	0.00%	26.43%

Saving Quantity	7215	£25.25	0	0.00

Energy Savings	£0.00

Projects

Area Name	Fitting type	Intervention Type	Quantity	Current flow rate (L/min)	Water per flush	Estimated minutes used per day per fixture	Estimated actuations per day	Solution	Quantity	New flow rate (L/min)	New water per flush	Estimated minutes used per day per fixture	Estimated actuations per day	Annual Water Savings (L)
Staff room	Kitchen pillar taps	Taps	2	7		6		Inline restrictor 6 LPM	2	6	6	6	0	2340.00
Kitchen toilet	Bathroom pillar taps	Taps	1	12		2		Generic Pillar tap (1) + aerator	1	3.5	3.5	2	0	3315.00
Pre school area	Kitchen pillar taps	Taps	1	8		4		Inline restrictor 6 LPM	1	6	6	4	0	1560.00

Projects

Calculation Assumptions

Item	Value	Type
Water rate	£3.50	Assumption
Energy rate	£0.08	Assumption
Annual open days	195	Assumption



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