



The development of a WASH in school (WinS) budgeting tool: Evidence to action of SWASH+ life cycle costing studies

- **Project:** School Water Sanitation and Hygiene Plus Community Impact (SWASH+ Project)
- **Location:** Kilifi, Kisumu, Nakuru, Nariobi, Nyeri, and Mombasa Counties of Kenya
- **Target Population:** Head teachers, principles, directors, boards of management, and county officials of rural and urban schools
- **Implementing Partners:** CARE International, Kenya Ministry of Education
- **Funders:** Bill & Melinda Gates Foundation

Freeman Research Group
 Matthew Freeman, MPH, PhD
 Department of Environmental Health, Emory University
 e. matthew.freeman@emory.edu
 w. freemanresearchgroup.org



Summary Points

- **What is it?** SWASH+ costing studies aimed to facilitate adoption of life cycle cost (LCC) budgeting for WASH operation and maintenance in schools – that is, costs of WASH services over the course of its useful life, not just upfront costs
- **How was it made?** Annual reported WASH expenditures from 189 urban and rural schools and cost data from 32 local shops across six counties in Kenya were used to model expenditures required to maintain a school’s WASH program
- **What will it do?** This LCC budgetary calculator will help schools to plan their annual expenditures and support head teachers in advocacy to address gaps in WASH resources based on data for schools similar to them

Tool overview: School and government officials have expressed challenges in accurately estimating budgetary requirements for school WASH, specifically with regards to maintenance and recurrent costs (i.e., LCC) . The availability and reliability of LCC data can be problematic. SWASH+ partners, in collaboration with the Kenya Ministry of Education, have developed a **simple Excel-based tool designed to increase the application of WASH budgeting practices and increase access to LCC cost data**. Development of the tool parameters was done in accordance with the “Standards & Guidelines for WASH Infrastructure in Pre-primary and Primary Schools in Kenya.” Coupling national guidelines with representative cost data from a diverse group of 189 schools helped develop cost parameters that provide robust budget estimations specific to the school’s need.

Profile | **Budget** | **Recommendations** | **Tool Details**

Enter Your School's Information

Enter data below:

School location	Rural	Calculate Budget!
School level	Primary	
Is this a public school?	Yes	
<i>Reset Budget</i>		

Student Enrolment

Total number of pupils	400
% Female pupils	50%

WASH Characteristics

Primary water source	City Piped Water
Main type of sanitation facilities	VIP/Pit
Total number of usable latrines/toilets	20

New WASH Facilities

Is the school planning new WASH construction or major repairs?	No
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Click +/- to see options for construction or major repairs +/-

Overview: Tool tabs

“Profile” to enter your school’s information
 “Budget” to customize school’s estimated WASH budget
 “Recommendations” to review a summary of recommendations based on Kenya school WASH guidance
 “Tool Details” to review how the tool was made including budget assumptions and calculations

STEP 1: Input data:

Calculate your school’s WASH budget based on **only five key school properties**: (1) Urban or rural, (2) Primary or secondary, (3) # of students and % female, (4) Primary water source, (5) Latrine type and # usable

STEP 2: Construction or major repairs:

Identify if your school is planning any WASH construction or major repairs. If yes, there is a **list of handwashing stations, latrines, and water systems to choice from**

STEP 3: Review budget:

“Estimated Average” values are automatically calculated using average annual expenditure of WASH items for schools similar to your school’s profile. **These values are modeled from annual reported WASH expenditures from 189 urban and rural schools and cost data from 32 local shops across six counties**

STEP 4: Identify donated items:

Have item(s) listed that are donated? No problem, **simply uncheck the box and the “My Budget” value will automatically go to 0**. Here is an example of a school that receives donated sanitary pads

STEP 5: Customize budget values:

Raise or lower “My Budget” values, as desired, based on common expenditures at your school. Here is an example of a rural school that hires a caretaker for 4,000 Ksh per year instead of allocating caretaker duties to teachers and/or students (which is what was most common among rural schools). Simply, recheck the box to undo any customization and the value will automatically reflect what is in the “Estimated Average” column

STEP 6: Review construction costs:

If applicable, expand section to review construction costs

STEP 7: Add additional items:

Customize your school’s WASH budget even more by adding any other items (and their costs)

STEP 8: Total estimated budget:

Total costs and costs per pupil are automatically calculated to reflect any budget customization. **For public schools, the difference between capitation grants available for WASH and per pupil total estimated budget is also calculated**

Estimated Annual WASH Budget

WASH Category <i>All WASH items per category</i>	Estimated Average <i>Based on similar schools</i>	My Budget <i>Customize values below</i>
Operations & Maintenance: Consumables		
Brooms, Brushes, Mops	1,250	1,250
Detergent	10,800	10,800
Buckets	3,000	3,000
Disinfectant	4,680	4,680
Soap for Handwashing	3,600	3,600
Sanitary Pads	4,000	0
Sanitary Pad Disposal Bins	6,500	6,500
Toilet Paper	57,600	57,600
Water Treatment	800	800
Subtotal	92,230	Ksh88,230
Operations & Maintenance: Services		
Caretaker Wages	0	4,000
Security Guard wages	6,000	6,000
Purchased Water	10,800	10,800
Sewage Line Unblocking	15,000	15,000
Sanitary Pad Disposal	10,400	10,400
Electricity for Water Pump	0	0
Water Storage Tank Cleaning	800	800
Subtotal	43,000	Ksh47,000
Capital Maintenance		
Water Tap Replacement	3,040	3,040
Latrine Door Replacement	2,500	2,500
Latrine Door Hardware	3,000	3,000
Water Pipe Repair	4,000	4,000
Flush Toilet Repair	0	0
Latrine Compartment Painting	3,600	3,600
Latrine Compartment Superstructure Repair	9,000	9,000
Handwashing Station Repair	3,400	3,400
Latrine Slab Repair	0	0
Subtotal	28,540	Ksh28,540
Construction <i>Click +/- to see estimated costs for construction or major repairs +/-</i>		
Subtotal	0	Ksh0
Add additional items (optional) <i>Click +/- add additional items to your budget +/-</i>		
Subtotal		Ksh0
Total Estimated Annual WASH Budget		
Total	163,770	Ksh163,770
Per Pupil	409	Ksh409

***If Public, Below is a Comparison to Annual Capitation Grants Available for WASH**

Estimated FPE/FSE Available for WASH (per pupil) -- See "Tool Details" for calculation	Ksh405
Estimated WASH Budget Difference (per pupil) -- FPE/FSE available - estimated total	-Ksh4

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