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This presentation is used with
Lesson Plan 8: HWTS Option
Selection in the Biosand Filter for
Project Implementers Trainer
Manual.

Available at

www.cawst.org/resources



HWTS Option Selection



Learning Expectations

1. Identify criteria to select appropriate HWTs options.
2. Evaluate and select the most appropriate HWTs option for a particular scenario.

HWTS Option Selection

WHO DECIDES?

- Decision making and option selection can take place at many levels
 - Government
 - Independent project implementers
 - Individual households.
- Many ways to make decisions
- Often made based on the information and resources available
- Decision making can be done informally or it can be a formal process undertaken by stakeholders

What is the Best Option?



There is No Best

- Household water treatment is a process and not just a single technology
- No easy answer or standard solution
- Different factors to consider:
 - Treatment effectiveness based on source water quality and local contaminants
 - Appropriateness
 - Affordability
 - Acceptability

Criteria Influencing Selection

- **Effectiveness** – How well does the technology perform?
- **Appropriateness** – How well does the technology fit into people's daily lives?
- **Acceptability** – What will people think of the technology?
- **Cost** – What are the costs for the household?
- **Implementation** – What is required to get the technology into people's homes?

Decision Making

- Tools are available to help identify the HWTS process best suited for the local context
 - Matrix scoring
 - Weighted matrix scoring
 - Ranking line
- Participatory activities to encourage involvement of different stakeholders

Technology Evaluation

Technology/ Criteria	Cloth Straining	Biosand Filter	Ceramic Pot Filter	Ceramic Candle Filter
Effectiveness				
Appropriateness				
Acceptability				
Cost				
Implementation				

Review

Which HWT option is the best choice for treating water?

It depends!

Review

List 5 criteria can you use to evaluate different HWT options.

- Effectiveness
- Appropriateness
- Acceptability
- Cost
- Implementation