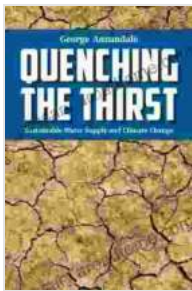


# Quenching the Thirst: Sustainable Water Supply in the Face of Climate Change

In the face of escalating climate change, safeguarding access to clean and sustainable water supplies has become imperative. The book 'Quenching the Thirst: Sustainable Water Supply and Climate Change' offers a comprehensive exploration of this critical issue, providing valuable insights into innovative solutions and strategies.



## Quenching the Thirst- Sustainable Water Supply and Climate Change by George Annandale

★★★★☆ 4.7 out of 5

Language : English  
File size : 10636 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Word Wise : Enabled  
Print length : 251 pages  
Lending : Enabled  
X-Ray for textbooks : Enabled



## The Impact of Climate Change on Water Resources

Climate change has profound implications for water resources worldwide. Rising temperatures, altered precipitation patterns, and increased extreme weather events disrupt the delicate balance of hydrological systems. Reduced snowpack and glacial melt diminish surface water supplies, while droughts and floods exacerbate water scarcity and flooding risks.

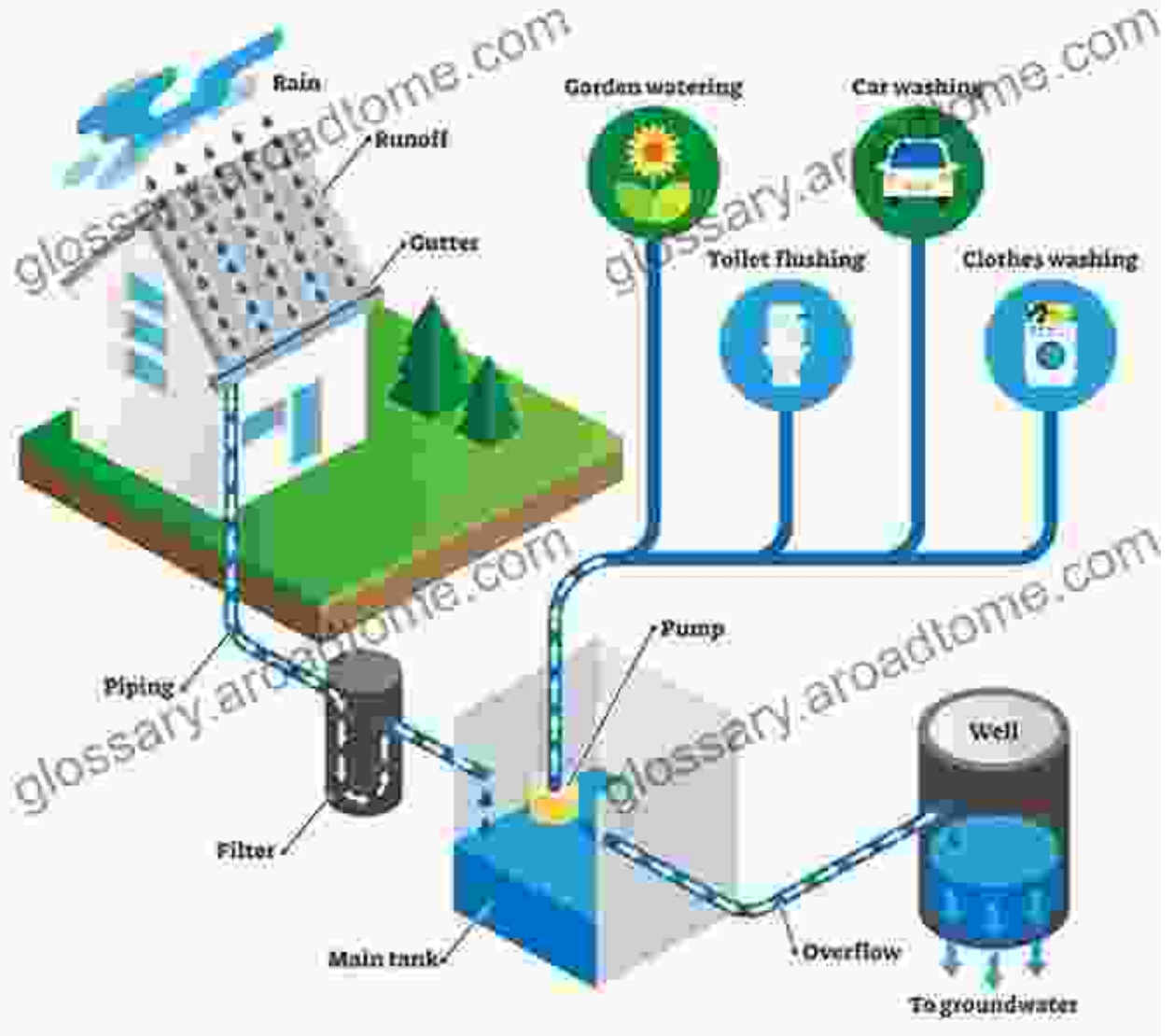
In coastal areas, sea-level rise poses additional challenges by contaminating freshwater sources with saltwater intrusion. These impacts threaten the availability and quality of water for drinking, agriculture, industry, and ecosystems.

### **Innovative Water Management Solutions**

The book 'Quenching the Thirst' presents a range of innovative solutions to address these challenges. These include:



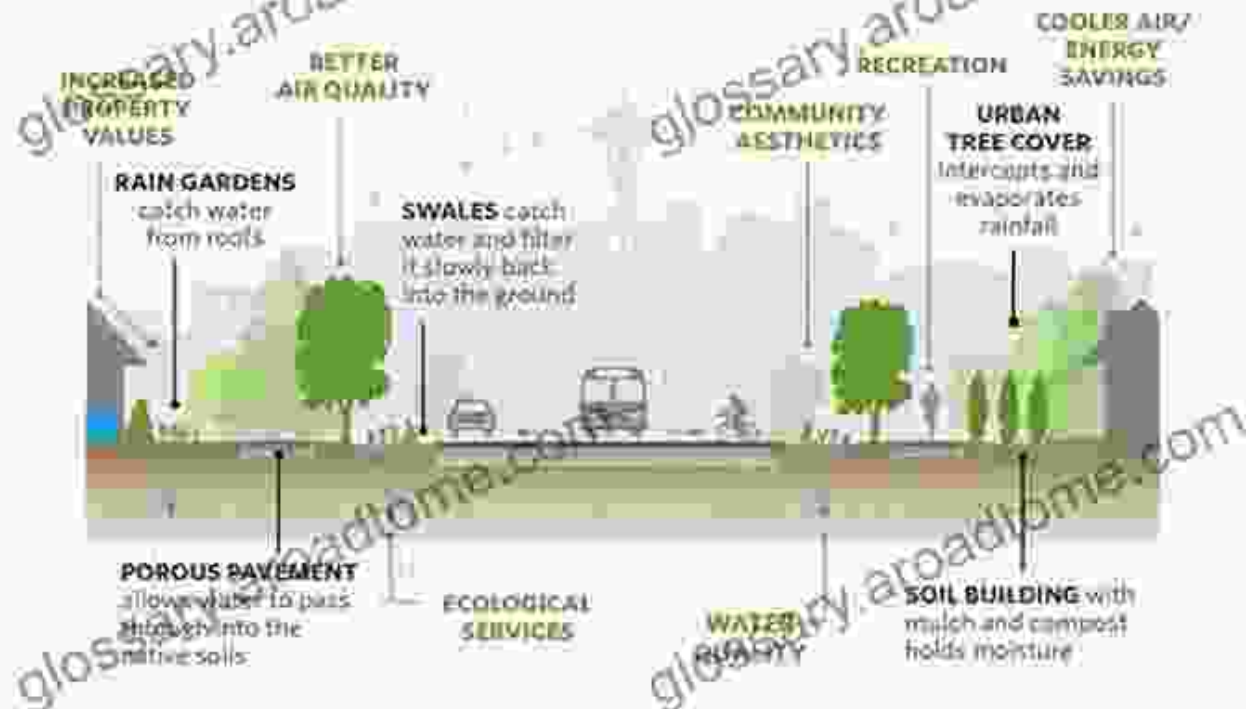
# RAINWATER HARVESTING





## HOW ARE WE RETHINKING THE PROBLEM?

Re-envisioning and re-designing cities to function more like forests so water is absorbed back into the ground, in addition to treating stormwater through traditional means, will solve our region-wide stormwater problem.



### GREEN & GRAY STORMWATER INFRASTRUCTURE

A study by the Urban Watershed Laboratory for the U.S. Environmental Protection Agency (EPA) found that green infrastructure can provide the same benefits as gray infrastructure, plus additional benefits to the community.

## Climate-Resilient Water Infrastructure

The book also emphasizes the need for climate-resilient water infrastructure. This includes:

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**QUENCHING THE  
THIRST FOR CHANGE:  
EARTHCHECK'S  
COMMITMENT TO  
WATER SUSTAINABILITY  
ON WORLD WATER DAY  
2023**







## Water Governance and Policy

Beyond technological solutions, 'Quenching the Thirst' highlights the importance of water governance and policy. This includes:







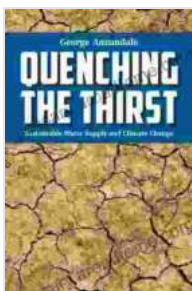
George Annandale

# QUENCHING THE THIRST

Sustainable Water Supply and Climate Change



Access to clean and sustainable water is essential for human health, economic prosperity, and environmental well-being. As climate change intensifies, innovative solutions and strategies are crucial to quench the growing thirst for water. 'Quenching the Thirst: Sustainable Water Supply and Climate Change' provides a comprehensive roadmap for addressing this critical challenge and ensuring water security for future generations.



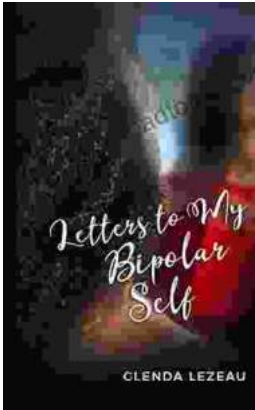
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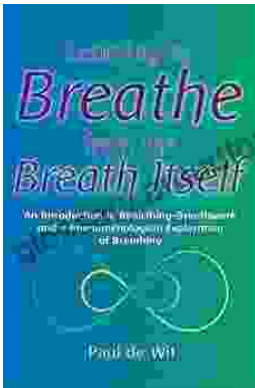
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