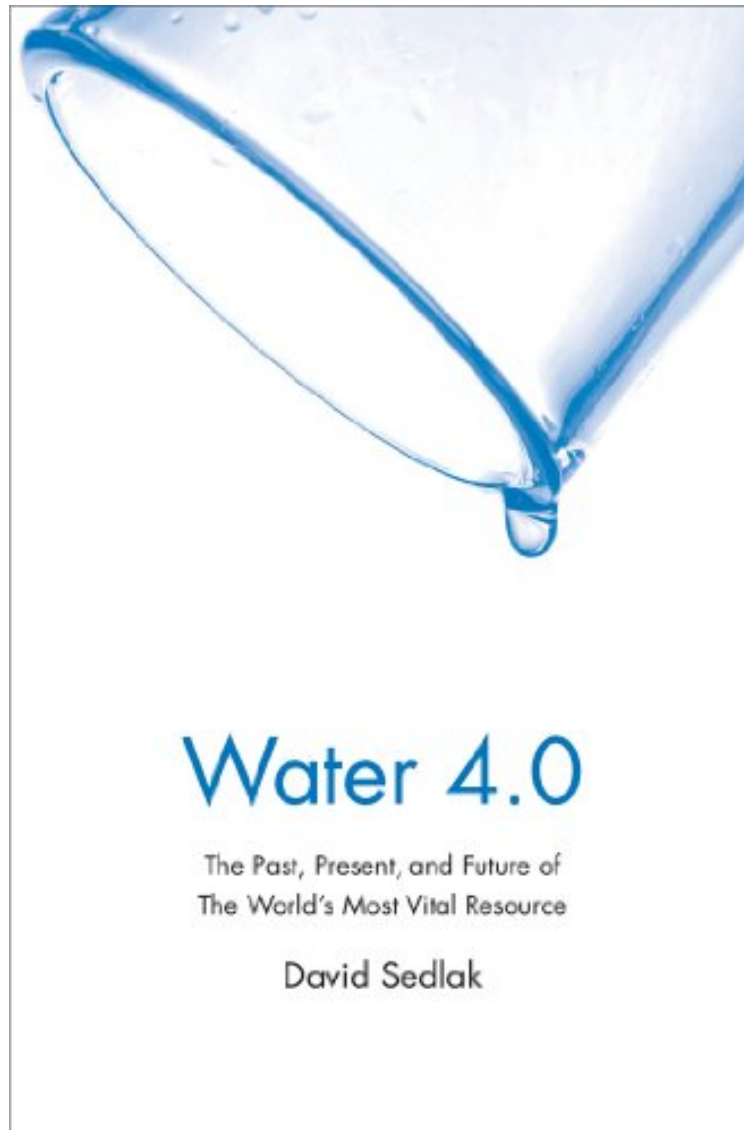


(Ebook free) Water 4.0: The Past, Present, and Future of the World's Most Vital Resource

# Water 4.0: The Past, Present, and Future of the World's Most Vital Resource

*David Sedlak*

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**David Sedlak : Water 4.0: The Past, Present, and Future of the World's Most Vital Resource** before purchasing it in order to gage whether or not it would be worth my time, and all praised Water 4.0: The Past, Present, and Future of the World's Most Vital Resource:

19 of 20 people found the following review helpful. Timely overview of the importance of waterBy RabiysRhymeIf you are looking for a dry, academic treatise on why humans have corrupted the earth, keep looking."Water 4.0" is a delightful, fascinating and ultimately very balanced treatment of humans and water: past, present, and future.David

Sedlak has won many awards and recognition for his innovative and high quality teaching at Berkeley, and it shows through in the book. You will probably put the book down and be amazed at how much you have learned about water and what an easy read it was. The author has produced a very readable tour of water and its importance to human civilization. Starting with the early efforts to channel fresh water to the present and an open view the future, the importance of water is delivered in a fascinating tour of Roman aqueducts, French sewers, Victorian battles for health, through modern systems for delivering water and removing wastes. Ultimately, the reader is given a great primer on water and its importance to life and society, and in the end, positioned to consider how human society will continue to grow given the challenges of obtaining and providing clean water while removing wastes in sustainable ways. I think that the author has succeed in his goal of calling our attention to the importance of water to all of us, and how big those challenges are for both low resource and high resource societies. More at his website: [...] 11 of 11 people found the following review helpful. Insightful and comprehensive look at the way our society treats (and mistreats) water. By Lee Ferguson David Sedlak's treatise on the history and future prospects for water resources in our society is an eye-opening look at the remarkable engineering that has helped to make our civilization what it is today. His organization of water infrastructure development into four major "revolutions" seems appropriate and logical, and this treatment helps to explain the sometimes curious ways in which we currently access and dispose of the water we use. The book is an excellent read for both the expert and novice reader, and Professor Sedlak's deep understanding of the subject matter is readily apparent. The writing style is fun and easy to follow, and I found myself having many "aha!" moments as I read about development of treatment technologies and water delivery methods. Most importantly, Sedlak takes great care to highlight the significant and critical challenges that we face at this particular moment with respect to both water quality and water quantity. It is abundantly clear that our society must reevaluate the way in which we use and dispose of water if we are to avoid serious environmental, social, and economic hardships. Water 4.0 should prove a rallying point for those interested in this important topic, and therefore I highly recommend this book to anyone who cares about the health and well-being of both our society and the global environment. 7 of 7 people found the following review helpful. An expert and engaging take on the history and future of water. By CotesduRhone This book is a great learning opportunity for audiences ranging from the casual science-minded reader to those actively working in the water field. Sedlak tells an inspiring narrative of how populations over time have risen to the challenge of developing water conveyance and improving public and environmental health through water and wastewater treatment. The particular challenges confronted by regions all around the U.S. are explored through fascinating and detailed historical anecdotes. Most importantly, the book addresses the ways in which populations of different scale and geography may continue to provide clean water in a world with a changing climate and diminishing energy reserves. The book describes a challenging yet hopeful way forward, while remaining pragmatic and engaging throughout.

Turn on the faucet, and water pours out. Pull out the drain plug, and the dirty water disappears. Most of us give little thought to the hidden systems that bring us water and take it away when we're done with it. But these underappreciated marvels of engineering face an array of challenges that cannot be solved without a fundamental change to our relationship with water, David Sedlak explains in this enlightening book. To make informed decisions about the future, we need to understand the three revolutions in urban water systems that have occurred over the past 2,500 years and the technologies that will remake the system.

"Sedlak... has contributed a gem to the growing shelf of books on the emerging crisis surrounding water... A nerdy romp through two millennia of water and sanitation practice and technology." -Nature (2014-01-16)