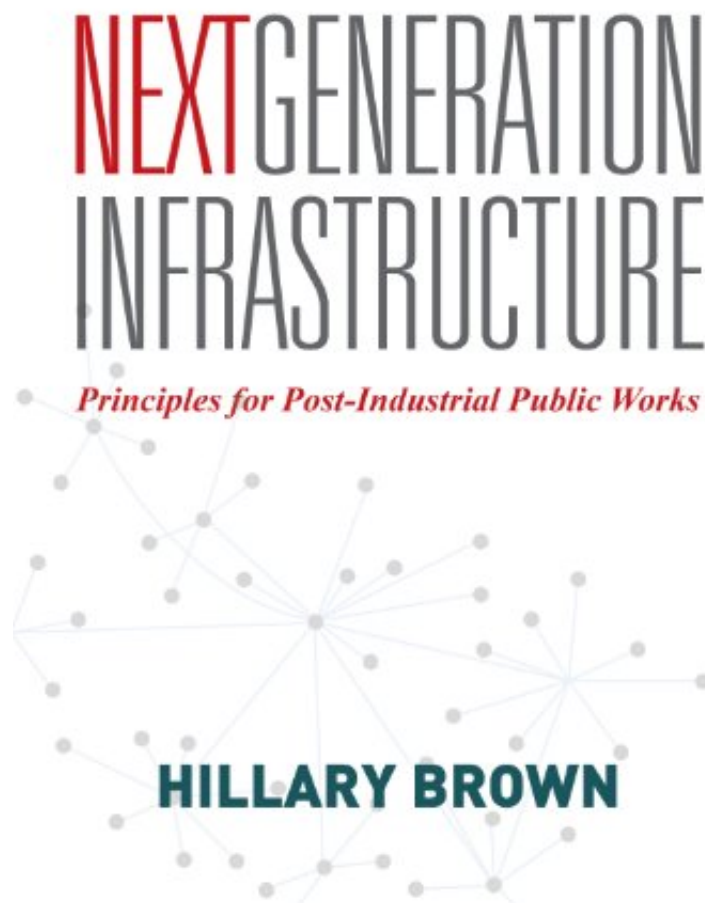


# Next Generation Infrastructure: Principles for Post-Industrial Public Works

*Hillary Brown*

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FOREWORD BY DAVID W. ORR



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**Hillary Brown : Next Generation Infrastructure: Principles for Post-Industrial Public Works** before purchasing it in order to gage whether or not it would be worth my time, and all praised Next Generation Infrastructure: Principles for Post-Industrial Public Works:

1 of 1 people found the following review helpful. Future of hopeBy joseacute; KnightonHope is a fragile thing, as two terms of President Obama's hopeless stalemate with our self-infatuated Congress has proven. Yet, we are compelled to continue our search for hope where it yet resides. Hillary Brown's book, Next Generation Infrastructure: Principles for Post-industrial Public Works, is straining at its binding with hope in abundance. At first encounter, its title may seem

daunting to one outside Ms. Brown's discipline. (An architect, former founding director of New York's Office of Sustainable Design, with her own consulting firm New Civic Works, she has been a board director of the U. S. Green Building Council.) But even a cursory perusal will reveal her book's collective insights to be readily accessible to the uninitiated. Her book is a report from the front lines of a necessarily less wasteful future; quite literally "from the trenches" where we've previously buried the pipes and cables of our decaying infrastructure with little or no regard for tomorrow's consequences. Drawing on deep research and abundant travels for her professional presentations, she has compiled an array of creative, pioneering projects, worldwide, that point the way forward, not just to surviving the future, but to thriving in the future. Author Wallace Stegner famously declared the American West to be "the native home of hope." But it was from his attentive environmental philosophy that hope actually upwelled. Similarly, it is Ms. Brown's prescriptive analysis of a future infrastructure, working in harmony with rather than in opposition to natural systems, from which further hope springs.

2 of 3 people found the following review helpful. I Was disappointed that this focused less on the infrastructure problem than ...  
By ThmasorionFast response from seller. I Was disappointed that this focused less on the infrastructure problem than on green infrastructure that doesnt really get to the current crisis.

The 2007 bridge collapse in Minneapolis-St. Paul quickly became symbolic of the debilitated interstate highway system; and of what many critics see as America's disinvestment in its infrastructure. The extreme vulnerability of single-purpose, aging infrastructure was highlighted once again when Hurricane Sandy churned its way across the northeast United States. Inundating New York City's vital arteries, floodwaters overwhelmed tunnels and sewers; closed bridges; shut down the electrical substations that control mass transit; curtailed gas supplies; and destroyed streets, buildings, and whole neighborhoods. For days and on into weeks, failures triggered by floodwaters deprived millions of electricity, heat, and water services. How can our complex, interdependent utilities support an urbanizing world, subject to carbon constraints and the impacts of climate change? How might these critical networks be made more efficient, less environmentally damaging, and more resilient? Such questions are at the heart of the approaches and initiatives explored in Next Generation Infrastructure. With a better understanding of the possible connections between different services, not only can inadvertent disruptions be reduced, but crosscutting benefits and lower costs will be possible. Next Generation Infrastructure highlights hopeful examples from around the world, ranging from the Mount Poso cogeneration plant in California to urban rainwater harvesting in Seoul, South Korea, to the multi-purpose Marina Barrage project in Singapore. Five bold organizing objectives are proposed that, in the hands of decision-makers and designers, will help bring about a future of multipurpose, low-carbon, resilient infrastructure that is tightly coordinated with natural and social systems. In their conception and design, the innovative projects highlighted in Next Generation Infrastructure encourage us to envision infrastructure within a larger economic, environmental, and social context, and to share resources across systems, reducing costs and extending benefits. Through this systems approach to lifeline services, we can begin to move toward a more resilient future.

"Next Generation Infrastructure: Principles for Post-Industrial Public Works is a journey through Brown's lively and facile mind. She has cataloged and taxonomized many public works throughout the world that harness innovative, sustainable methods and practices."