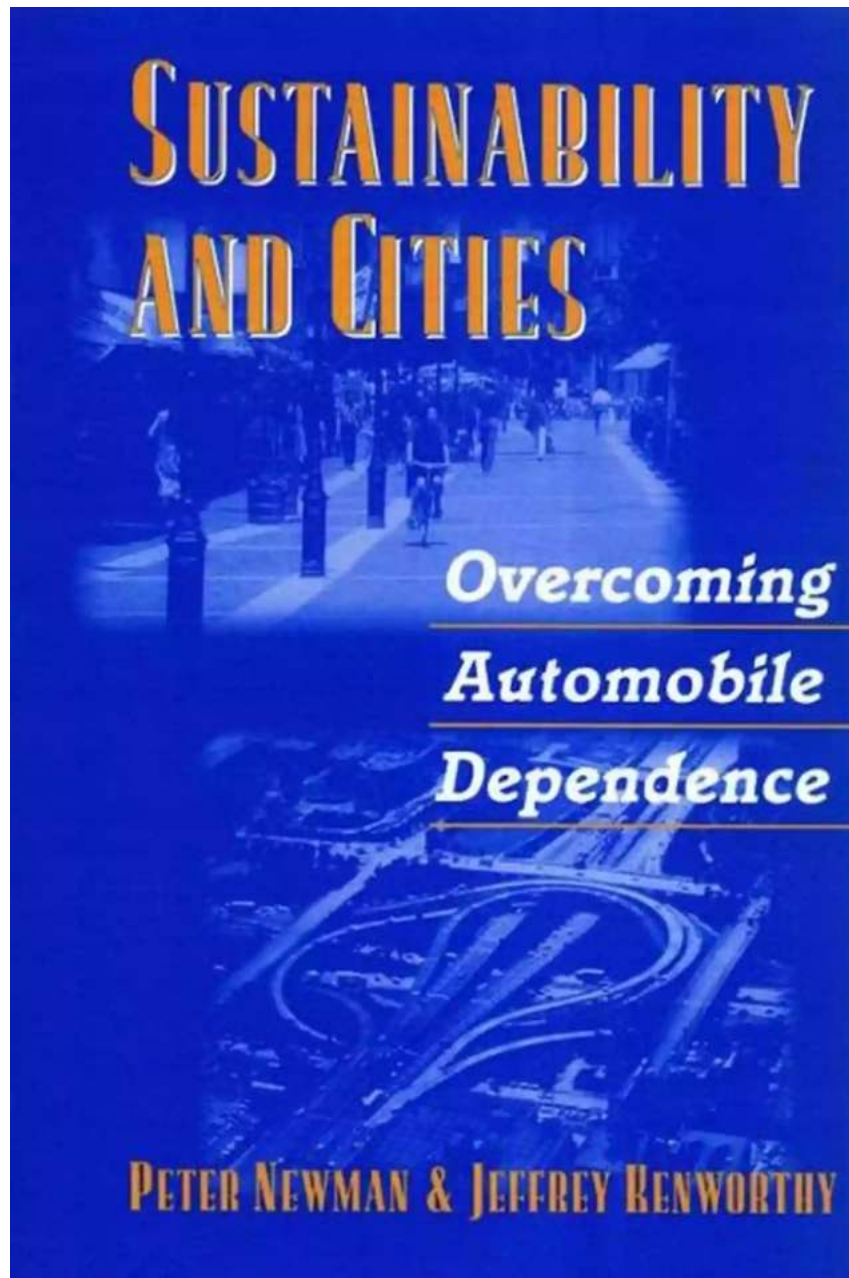


# Sustainability And Cities Overcoming Automobile Dependence: Creating a Greener Future

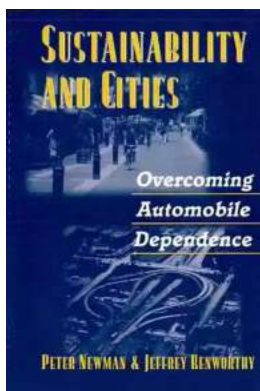


In today's world, where urbanization is rapidly increasing, cities are facing numerous challenges. One pressing issue is the over-dependence on

automobiles, leading to traffic congestion, air pollution, and noise. However, the concept of sustainability is gaining momentum, and cities are now making significant efforts to overcome this dependence and create greener, more livable spaces for their residents.

## The Impact of Automobile Dependence

The reliance on automobiles in cities has far-reaching consequences. Increased traffic congestion not only leads to frustration among commuters but also has a severe environmental impact. The emission of greenhouse gases from vehicles contributes to climate change and poor air quality, which negatively affects public health.



## Sustainability and Cities: Overcoming Automobile Dependence by Sachiyo Ishii(Kindle Edition)

★★★★☆ 4.6 out of 5

Language : English  
File size : 11748 KB  
Text-to-Speech : Enabled  
Enhanced typesetting : Enabled  
Print length : 746 pages  
Screen Reader : Supported



Moreover, the prioritization of car-centric infrastructure reduces the availability of public spaces, limits mobility options, and isolates communities. The noise pollution generated by constant traffic further deteriorates the quality of life in urban areas.

## Shifting Towards Sustainable Mobility

To combat the challenges posed by automobile dependence, cities are adopting sustainable mobility solutions. The aim is to promote alternative modes of transportation that are eco-friendly, efficient, and affordable.

## **1. Expanding Public Transportation**

Investing in public transportation infrastructure is crucial for reducing automobile dependency. Cities are developing comprehensive networks of buses, trams, and trains, ensuring better connectivity and accessibility for all residents. The implementation of smart systems like contactless payments and real-time information further enhances the convenience and reliability of public transportation services.

## **2. Encouraging Active Modes of Transport**

Promoting walking and cycling as viable transportation options is key to reducing car usage. Cities are investing in creating pedestrian-friendly infrastructure, building dedicated cycling lanes, and implementing bike-sharing programs. These initiatives not only contribute to reducing traffic congestion but also contribute to a healthier and more active population.

## **3. Carpooling and Shared Mobility**

Encouraging carpooling and shared mobility services like ride-sharing platforms is another effective strategy. By providing affordable alternatives to individual car ownership, cities can significantly reduce the number of vehicles on the road. This approach not only reduces traffic but also eases parking demand and lowers overall carbon emissions.

## **Creating Livable and Sustainable Cities**

Overcoming automobile dependence is not just about addressing the transportation aspect but also involves creating livable and sustainable cities as a

whole. Here are a few additional aspects that cities are focusing on:

## **1. Urban Planning**

Cities are adopting sustainable urban planning principles that prioritize mixed land-use, compact development, and the creation of vibrant public spaces. By designing cities to be walkable, with diverse amenities within close proximity, residents are more encouraged to use alternative transportation modes.

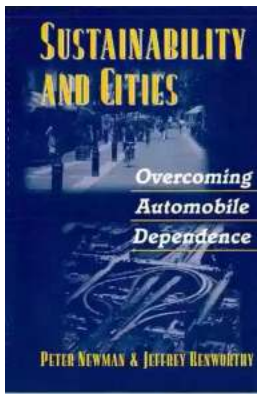
## **2. Green Spaces and Urban Parks**

Increasing access to green spaces and urban parks is crucial for enhancing the quality of life and improving air quality in cities. By providing residents with recreational areas and promoting biodiversity, cities can mitigate the effects of automobile dependency on the environment while creating an enjoyable living environment.

## **3. Digital Solutions**

Advancements in technology offer various digital solutions that help cities overcome automobile dependence. Smart traffic management systems, real-time parking availability apps, and intelligent transportation systems enable more efficient use of existing infrastructure and reduce travel time and congestion.

Overcoming automobile dependence is a significant challenge for cities in today's world. However, with the growing understanding of sustainability and the urgent need to combat climate change, cities are taking bold steps towards creating greener and livable spaces. By prioritizing public transportation, promoting active modes of transport, and adopting sustainable urban planning principles, cities can successfully reduce automobile dependency and create a sustainable future for their residents.



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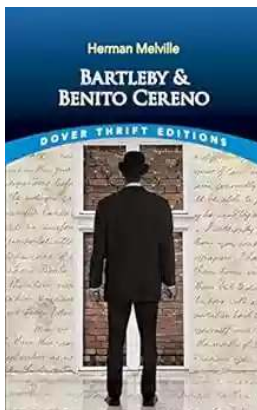


Sustainability and Cities examines the urban aspect of sustainability issues, arguing that cities are a necessary focus for that global agenda. The authors make the case that the essential character of a city's land use results from how it manages its transportation, and that only by reducing our automobile dependence will we be able to successfully accommodate all elements of the sustainability agenda.

The book begins with chapters that set forth the notion of sustainability and how it applies to cities and automobile dependence. The authors consider the changing urban economy in the information age, and describe the extent of automobile dependence worldwide. They provide an updated survey of global cities that examines a range of sustainability factors and indicators, and, using a series of case studies, demonstrate how cities around the world are overcoming the problem of automobile dependence. They also examine the connections among transportation and other issues—including water use and cycling, waste management, and greening the urban landscape—and explain how all elements of sustainability can be managed simultaneously.

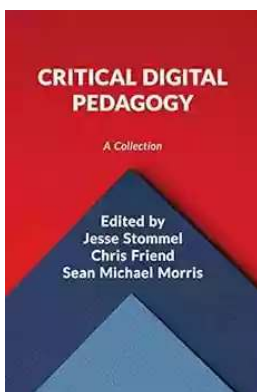
The authors end with a consideration of how professional planners can promote the sustainability agenda, and the ethical base needed to ensure that this critical set of issues is taken seriously in the world's cities.

Sustainability and Cities will serve as a source of both learning and inspiration for those seeking to create more sustainable cities, and is an important book for practitioners, researchers, and students in the fields of planning, geography, and public policy.



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