



## Sustainable Critical Infrastructure Systems: A Framework for Meeting 21st Century Imperatives

By Toward Sustainable Critical Infrastructure Systems: Framing the Challenges Workshop Committee, Board on Infrastructure and the Constructed Environment, Division on Engineering and Physical Sciences, National Research Council

National Academies Press. Paperback. Book Condition: new. BRAND NEW, Sustainable Critical Infrastructure Systems: A Framework for Meeting 21st Century Imperatives, Toward Sustainable Critical Infrastructure Systems: Framing the Challenges Workshop Committee, Board on Infrastructure and the Constructed Environment, Division on Engineering and Physical Sciences, National Research Council, For the people of the United States, the 20th century was one of unprecedented population growth, economic development, and improved quality of life. The critical infrastructure systems—water, wastewater, power, transportation, and telecommunications—built in the 20th century have become so much a part of modern life that they are taken for granted. By 2030, 60 million more Americans will expect these systems to deliver essential services. Large segments and components of the nation's critical infrastructure systems are now 50 to 100 years old, and their performance and condition are deteriorating. Improvements are clearly necessary. However, approaching infrastructure renewal by continuing to use the same processes, practices, technologies, and materials that were developed in the 20th century will likely yield the same results: increasing instances of service disruptions, higher operating and repair costs, and the possibility of catastrophic, cascading failures. If the nation is to

### Reviews

*This publication may be really worth a go through, and a lot better than other. It really is full of knowledge and wisdom Its been printed in an exceptionally easy way in fact it is simply after i finished reading this publication by which basically modified me, affect the way i really believe.*

-- **Troy Dietrich DDS**

*Complete guide for publication fanatics. It is full of knowledge and wisdom You will not really feel monotony at at any time of your respective time (that's what catalogues are for about should you question me).*

-- **Arely Dare**