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TITLE: MEASURING THE EFFICACY OF INVENTORY WITH A DYNAMIC INPUT-OUTPUT MODEL

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ABSTRACT:

The U.S. Department of Homeland Security's National Infrastructure Protection Plan [2006] highlights the importance of preparedness activities to strengthen response and recovery following a disruptive event. Among several preparedness considerations is the use of inventory, or a surrogate, to maintain essential services following such an event. This work provides an extension to the Dynamic Input-Output Inoperability Model to measure the benefits of inventory as a preparedness strategy among interdependent economic and infrastructure sectors.