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Heat Islands

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Islands

Heat Islands and Equity

Heat Island Compendium Measuring Heat Islands

Heat Island Compendium

Urban areas are usually warmer than their rural surroundings, a phenomenon known as the "heat island effect," As cities develop, more vegetation is lost and more surfaces are paved or covered with buildings. The change in ground cover results in less shade and water, which contributes to elevated surface and air temperatures. Properties of urban materials, in particular solar reflectance, thermal emissivity, and heat capacity, also influence the development of urban heat islands, as they determine how the sun's energy is reflected emitted and absorbed



Heat islands can affect communities by increasing summertime peak energy demand, air conditioning costs, air pollution and greenhouse gas emissions, heat-related illness and

Compendium of strategies

Voluntary efforts including demonstration projects, incentives, urban forestry programs, weatherisation, outreach and education programs and awards.

Communities Combatin

Heat island awarenes

Cooling strategies

