

Energy resilience is a strand of resilience that is not well-studied in the urban studies literature [36]. Of those studies addressing urban energy, only a few have discussed ...

The biogas generated from this process can be used for power generation. By 2015, 58.7% of urban solid waste produced in Brazil was sent to sanitary landfills (ABRELPE, 2015). This index tends to grow with the effective implementation of the "Brazil Without Dumps" program, since it is the cheapest option for municipalities (Agamuthu, 2013).

Despite covering less than 2% of the earth's surface, cities significantly contribute to climate change, consuming a staggering 78% of the world's energy and generating over 60% of greenhouse gas emissions.

Curitiba will lead the way for a clean energy revolution in Brazil by solarizing rooftops of buildings and bus terminals owned by the municipality. With support from C40 Cities Finance Facility ...

Proque et al. (2020), analyzed the effects of land use and transportation policies on the spatial distribution of urban energy consumption in Brazil by general equilibrium model ...

energy generation: 834 MW annually CO₂ emission reduction: 1.58 million tons annually Jobs created: 7,500 Sustainable Development Goals: SDG 7, SDG9, SDG12, SDG13 and SDG17 PROJECT DATA BACKGROUND. The Brazil Renewable Energy Projects and Associated Transmission is the first project in Brazil evaluated by the Independent Evaluation Office (IEO) of

BRASÍLIA, June 28, 2018 - A new financial instrument will allow Brazil to increase its investment in urban infrastructure and make the country more energy efficient. The Financial Instruments for Brazil Energy Efficient Cities - FinBRAZEEC will catalyze resources from the private sector and climate funds to create new markets in the areas of efficient street ...

The dawn of urban energy planning - Synergies between energy and urban planning for São Paulo (Brazil) megacity ... If a more holistic urban energy approach is adopted by integrating ...

With six Brazilian cities already part of the UTM cohort, Brazil's formal inclusion underscores the critical role of multilevel collaboration between cities, nations, and international partners in advancing sustainable energy transitions. As Brazil ramps up its leadership on urban sustainability, its involvement will further align efforts ...

Downloadable (with restrictions)! We evaluate the spatial effects of urban land use and transportation policies on energy consumption in the Brazilian economy. The model developed in this paper treats as endogenous the

urban spatial distribution of residential location, structure density, commuting behavior, and energy use, facilitating a general equilibrium energy ...

The notion of locality highlights that the urban energy transition, for instance, ... In Brazil, energy governance and planning have been centralized. Considerable importance is placed on the constitutional autonomy of subnational governments recognized by the 1988 Federal Constitution. Nonetheless, article 22 of the constitution emphasizes the ...

04/10/2024 - During the Ministers-Mayors Dialogue, the Urban Transitions Mission (UTM) welcomed Brazil, led by Empresa de Pesquisa Energética (EPE), as a core group member, ...

C-SEP has been well researched for the developed world spanning studies on urban energy planning approaches (Torabi, Delmastro, Corgnati, & Lombardi, 2017), transition ...

The notion of locality highlights that the urban energy transition, for instance, is creating a unique political arena, resulting in local solutions both for the mode of governance ...

The net effect is a profound change in the natural balance of momentum, mass, and energy. The main urban modifications affecting surface energy and radiation balance can be summarized as follows [5]: 1) the urban geometry promotes multiple reflection and radiation trapping leading to a greater absorption of incoming solar radiation, and ...

Climate change and increased urban population are two major concerns for society. Moving towards more sustainable energy solutions in the urban context by integrating renewable energy technologies ...

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