

# Latest Policies on the Global Energy Interconnection



## Overview

State of Energy Policy 2026 draws on the IEA's Global Energy Policies Hub, which tracks more than 6 500 measures across 84 countries and more than 200 policy types, highlighting where recent policy changes represent a major shift from longer-term policy trends. Global supply chain disruptions after the Covid-19 pandemic, Russia's full-scale invasion of Ukraine, trade restrictions on key products including critical minerals, several years of extreme heat affecting energy systems and conflicts affecting major energy suppliers have unfolded in successive. Geopolitical uncertainty, shifting policies, and increasing demand for power are reshaping the energy landscape. In this year's report, we present our updated view on what's to come in the energy system. This year marks the tenth anniversary of McKinsey's Global Energy Perspective, offering a. Energy transition: New energy solutions will help to accelerate the transition, as well as boosting security, reliability and resilience. We asked 6 experts how to modernize energy infrastructure to balance demand and security, while also building resilience amid the energy transition. Electricity. This UN-Energy Policy Brief was prepared in support of the SDG7 review at the High-level Political Forum 2023 in line with the UN-Energy Plan of Action Towards 2025.

## Article Content

Global Energy Interconnection: An Innovative Global Solution for ...

Paris Agreement Global Energy Interconnection Development and Cooperation Organization (GEIDCO) Research Center for Sustainable Development (RCSD)

Global Energy Interconnection: an innovative solution for

Against the background of energy consumption transformation and climate governance, Global Energy Interconnection (GEI), which features an innovative combination of advanced

IEA - International Energy Agency

The International Energy Agency works with countries around the world to shape energy policies for a secure and sustainable future.

Renewable Energy Private Equity Firms

Renewable Energy Private Equity Firms A renewable energy private equity firm is an investment company that pools capital to acquire, fund, and

EU energy infrastructure: Boosting energy security

The EU legislative framework on energy infrastructure is based on the Regulation on trans-European networks for energy (TEN-E). It sets out guidelines for EU crossborder infrastructure, including -

Research and Outlook on Global Energy Interconnection

The Global Energy Interconnection (GEI) is a clean energy-dominant, electricity-centered, interconnected and shared modern energy system. It is an important platform for large-scale

Electricity Grids and Secure Energy Transitions

It assesses signs they are not keeping pace with the new global energy economy that is emerging and the risk of them becoming a bottleneck for efforts to

Key findings - State of Energy Policy 2024 - Analysis

Against this backdrop, the IEA has produced its inaugural edition of State of Energy Policy. Intended as a "first-of-its-kind" global inventory, this annual publication

Global Energy Interconnection | Journal

The provision of low carbon energy to our society is a key issue at the heart of sustainable development of global energy supply. The (GEI) Journal publishes original research on theories and developments

The energy world is set to change significantly by 2030,

The combination of growing momentum behind clean energy technologies and structural economic shifts around the world has major

Policies - Global Energy and Climate Model - Analysis

This tracker includes over 5 000 policy records as of November 2025 and inventories the most up-to-date policies for 85 countries in the IEA's Policies and Measures

US Renewable Growth Continues into 2026

Despite policy pushback in the US, renewable energy continues to make significant strides, with clean technologies rapidly expanding across the country. The Renewable Energy Institute supports this

Global energy interconnection rules issued to boost green ...

A set of energy interconnection standards for wind farms, photovoltaic power plants and pumped storage units was issued on Friday, laying a solid foundation for global clean energy

Global Energy N Interconnection

opment, adopted a dramatic way. With by world leaders conven- of Global Energy large-scale glacial melt-ing in the UN General Interconnection ing worldwide, a drasti- Assembly in September

Renewable Energy 2025 | Global Practice Guides

This 2025 edition of the Chambers Global Practice Guide provides a jurisdiction-by-jurisdiction overview of the law and regulation shaping renewable

Energy transition infrastructure, regulation and investment

Expert insight on how countries around the world can build secure, equitable and sustainable infrastructure that underpins the global energy transition.

Global Energy Interconnection

Energy concerns the overall situation of sustainable development. To address serious challenges confronting the world energy development, Chinese President Xi Jinping, for the first time

China's Global Energy Interconnection: Exploring the

The authors of this report demystify the potential global security implications associated with the Global Energy Interconnection—China's

Large-scale electricity interconnection - Analysis

Large-Scale Electricity Interconnection: Technology and Prospects for Cross-regional Power Networks delivers policy recommendations for power sector interconnection consistent with an integrated

## Global Energy Perspective 2025 | McKinsey

Geopolitical uncertainty, shifting policies, and increasing demand for power are reshaping the energy landscape. In this year's report, we present our updated view on what's to come in the

### ACCELERATING SDG 7 ACHIEVEMENT POLICY BRIEF 25

Global energy interconnection (GEI) is a vision of globally interconnected power grids, which can become a platform for large-scale development, transmission and consumption of clean, renewable

### 2025 Global Energy Scenarios Comparison Review

This review synthesises insights from 13 leading global energy futures studies, highlighting areas of convergence, divergence, and emerging blind spots. It goes

### Global Energy Interconnection Is Crucial for Paris Goals

(Global Energy Interconnection Development and Cooperation Organization) will engage with participants with the aim of disseminating

### Three lessons on the energy transition in an age of crisis

Yet this shift introduces a fundamental tension. The energy transition requires global scale, open markets and deep interconnection, but geopolitical realities are pushing in the opposite

### UN-ENERGY POLICY BRIEF Advancing Power System Connectivity

This UN-Energy Policy Brief was prepared in support of the SDG7 review at the High-level Political Forum 2023 in line with the UN-Energy Plan of Action Towards 2025. The Plan outlines UN-Energy's

### Redefining global energy systems

The global energy system has steadily evolved over the past decade - but 2025 may mark an inflection point as long-building pressures converge to

## Contact Us

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