



India-US Strategic Clean Energy Partnership

For Prelims: India US [Strategic Clean Energy Partnership](#), Renewable Energy Technologies Action Platform

For Mains: India-US Relations

Source: [PIB](#)

Why in the News?

The Ministerial meeting of the US-India [Strategic Clean Energy Partnership \(SCEP\)](#) was held between Indian Minister of Petroleum and Natural Gas and US Energy Secretary in New Delhi.

- Both sides noted the critical importance of bilateral clean energy engagement and the achievements of the SCEP in **strengthening energy security, creating opportunities for clean energy innovation**, addressing climate change and creating employment generation opportunities.

What are the Key Highlights of the Meeting?

- **Review of the Ambitious and Dynamic SCEP Mandate:**
 - Collaboration across a wide breadth of clean energy work streams, including clean and renewable energy, energy efficiency
 - Emerging technologies like battery storage and swapping technologies, gas hydrates, **advanced biofuels, and hydrogen and electrolyzed production.**
- **Commitments:**
 - Agreed to work toward development of **Net zero village in India** to support the clean energy transition.
 - Establishment of the **public-private Energy Storage Task Force** to support the clean energy transition;
 - Deployment of **hydrogen technologies** through the public-private Hydrogen Task Force.
 - Launch of the U.S.-India New and Emerging **Renewable Energy Technologies Action Platform (RETAP)** to accelerate development of key technologies to advance common ambitious clean energy goals.
- **Affirmed Global Biofuels Alliance:**
 - This Alliance will be aimed at facilitating cooperation and intensifying the use of sustainable biofuels, including in the transportation sector.
 - **Brazil, India and US** as leading biofuel producers and consumers, with other interested countries.
 - The Alliance shall work in collaboration with the Clean Energy Ministerial Biofuture Platform, the Mission Innovation Bioenergy initiatives, and **the Global Bioenergy Partnership (GBEP).**
- **South Asia Group for Energy (SAGE):**
 - Both sides launched the SAGE to deepen the engagement between Indian agencies and US

national laboratories **to support research, analysis and capacity building activities** such as building modelling capacity in Life Cycle Assessment of low carbon technologies and analytics on energy consumption in building sector.

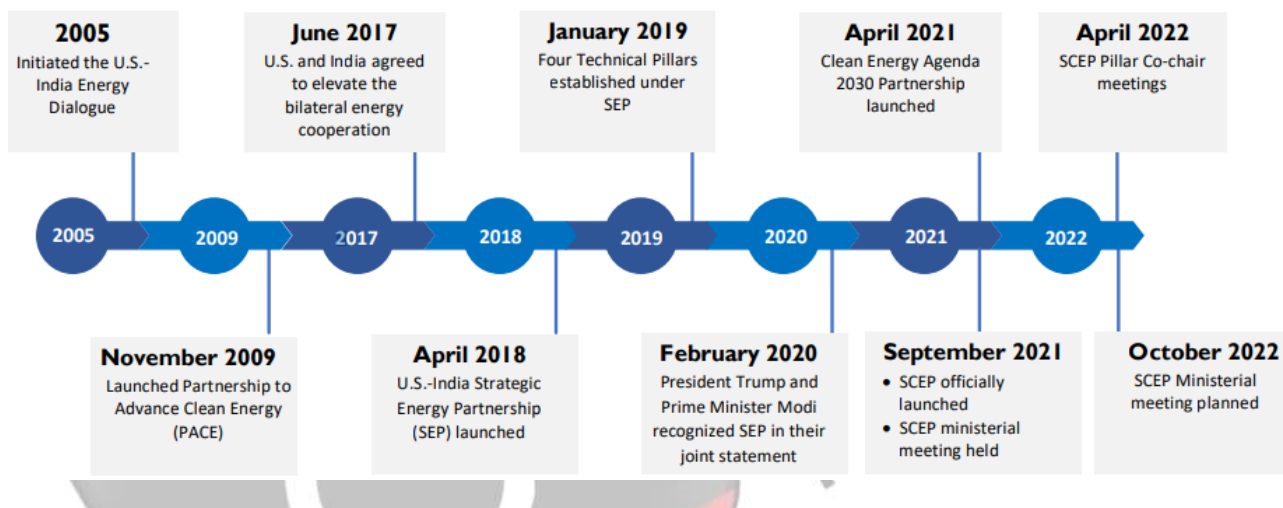
▪ **Other Concerns:**

- The addition of Carbon Capture, Utilization and Storage as a work stream under the **Emerging Fuels and Technology Pillar.**
- The collaboration of US Agency for International Development (**USAID**) with various **Indian agencies** including Indian Railways, NTPC Green National Skills Development Corporation, Skills Council for Green Jobs, and the Forum of Regulators.

What is Strategic Clean Energy Partnership?

- The SCEP was launched in **accordance with the US - India Climate and Clean Energy Agenda 2030 Partnership** announced by both countries at the Leaders’ Summit on Climate held in 2021.
- The SCEP advances energy security and innovation with greater emphasis **on electrification and decarbonization of processes and end uses**; scaling up emerging clean energy technologies; finding solutions for hard-to-decarbonize sectors; and deploying technical solutions.
- The SCEP was earlier established **as the Strategic Energy Partnership in 2018 and had replaced the U.S.-India Energy Dialogue**, the previous intergovernmental engagement for energy cooperation.

THE JOURNEY SO FAR



STRATEGIC CLEAN ENERGY PARTNERSHIP PILLARS



UPSC Civil Services Examination, Previous Year Questions (PYQs)

Mains:

Q. What is the significance of Indo-US defence deals over Indo-Russian defence deals? Discuss with reference to stability in the Indo-Pacific region. **(2020)**

Q. 'What introduces friction into the ties between India and the United States is that Washington is still unable to find for India a position in its global strategy, which would satisfy India's National self-esteem and ambitions'. Explain with suitable examples. **(2019)**

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