Policy development for clean energy technology

TIIAME National Research University's Contribution to SDG 7: Affordable and Clean Energy

TIIAME National Research University (TIIAME), located in Tashkent, Uzbekistan, plays a pivotal role in promoting **clean energy** and **energy-efficient technologies**. Through strategic initiatives, research contributions, and active collaboration with local and national governments, TIIAME supports the development of sustainable energy policies that align with **SDG 7: Affordable and Clean Energy**.

Commitment to Clean Energy and Energy Efficiency

TIIAME has been directly involved in supporting Uzbekistan's **national goals** related to **renewable energy** and **energy efficiency**, particularly through academic and research activities that align with government directives. TIIAME's involvement is outlined in several **presidential decrees** that emphasize the role of **green energy** in the university's operations, research, and collaboration with national energy policy efforts.

1. **Presidential Decree PQ-42 of 2021**
   The **Presidential Decree PQ-42** (2021) outlines **specific reforms at TIIAME**, where green energy and sustainable technologies are prioritized. In particular, **Point 10** of the decree emphasizes the development of **renewable energy sources**, **resource-efficient technologies**, and the promotion of **green energy** at TIIAME. This decree marks a significant national policy shift towards incorporating **clean energy** into education, research, and national development goals.
   - **Link to the Decree**: PQ-42 Presidential Decree
   - **Evidence of Support:** The decree highlights TIIAME's key role in advancing **renewable energy technologies** and **sustainable development practices** in Uzbekistan. TIIAME is tasked with contributing to the national energy strategy by fostering innovation in the **green economy** and **energy efficiency**.
2. **Support for Green Energy in Agriculture and Irrigation**
   TIIAME's unique focus on **energy in agriculture** and **irrigation** is also emphasized in the **President's decree**, reflecting the need for **clean energy** solutions in the **agriculture sector**—a significant energy consumer in Uzbekistan. The university's expertise in these areas helps drive the integration of **solar, wind**, and **resource-efficient technologies** into Uzbekistan's agricultural practices.
   - **Link to the Decree**: Green Economy and Energy in Agriculture
   - **Evidence of Support:** TIIAME's contribution to this national agenda includes the implementation of **renewable energy-based irrigation systems**, providing **clean water** and reducing carbon emissions from traditional energy sources used in irrigation.
3. **Model Training Site for Smart Agriculture and Water Management**
   In **Appendix 2** of the decree, the creation of a **model training site for "Smart Agriculture and Water Management"** at TIIAME's **educational and experimental farm** is outlined.

This initiative is a critical part of Uzbekistan's strategy to **integrate clean energy** and **smart water management** technologies into the agricultural sector, promoting **energy efficiency** and **sustainable farming practices**.

- **Link to the Decree**: [Smart Agriculture and Water Management](https://lex.uz/docs/-5767189#:~:text=Universitetning%20O%E2%80%98quv%2Dtajriba,taklif%20ishlab%20chiqis h)
- **Evidence of Support:** This initiative represents TIIAME's direct involvement in **clean energy policy development** at both the national and local levels, serving as a model for future energy-efficient and sustainable agricultural practices.

National and International Collaboration

TIIAME's contributions go beyond local and national efforts. The university actively collaborates with **international organizations** and **government bodies**, including the **UNDP**, **IRENA**, and **the World Bank**, on clean energy and **energy efficiency** initiatives. These partnerships allow TIIAME to bring global expertise to Uzbekistan's energy policies, ensuring alignment with international best practices and contributing to **global clean energy efforts**.

- **Evidence of Support:** TIIAME's participation in global **clean energy forums** and **policy dialogues** contributes to **global energy transitions**, emphasizing the importance of **renewable energy** in **sustainable development**.

Public Availability of Evidence

TIIAME ensures **public access** to all **research findings**, **policy reports**, and **program outcomes** through its **official website** and **public publications**. These materials, including **sustainability reports**, **academic papers**, and **technical reports** on energy-efficient technologies, are available to the public, promoting transparency and community engagement.

- **Link to Reports and Publications:**
  - TIIAME Publications on Renewable Energy and Energy Efficiency

TIIAME National Research University plays a significant role in shaping Uzbekistan's **clean energy** and **energy efficiency** policy landscape. Through **research**, **education**, and **strategic partnerships**, TIIAME supports the development of **sustainable energy solutions** and **green technologies**. The university's efforts are clearly aligned with both **national priorities** and **global sustainability goals**, ensuring that Uzbekistan's transition to **affordable and clean energy** continues to make progress.

TIIAME's ongoing contributions in the fields of **green energy**, **sustainable agriculture**, and **energy efficiency** are supported by **government decrees** and **national strategies**, and are also **publicly accessible**, ensuring that their impact on **SDG 7** is measurable, transparent, and globally relevant.