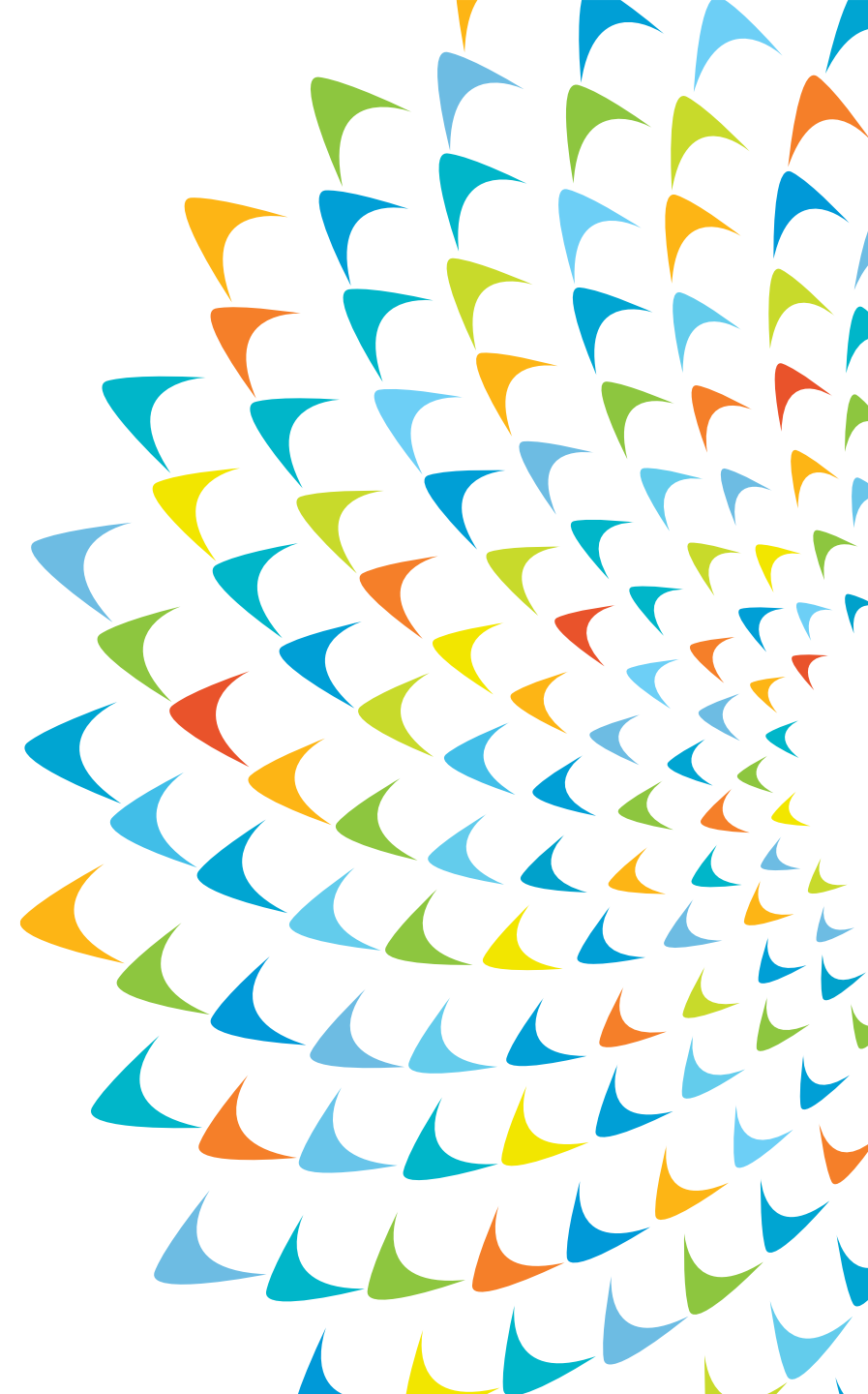




ADB in Tajikistan Energy Sector





ADB ENERGY SECTOR DIRECTIONAL GUIDE

STRATEGY 2030



Where we are. Challenges and Needs in Asia

Energy Access

=> **940mio** people in Asia and the Pacific still experience **frequent interruptions**, **350mio** people do **not** enjoy an **adequate supply**, and **150 million** people still have **no access to electricity**

Energy Security

=> The population increased by **1.7% per year** from 1990 to 2019, and **urbanization** accelerated from 36% in 1990 to **51%** in 2019. **GPD**, in constant prices, grew by an average **6% per year** from 1990 to 2019, while its primary **energy supply** increased by about **4% per year** in the same period

Environmental Sustainability

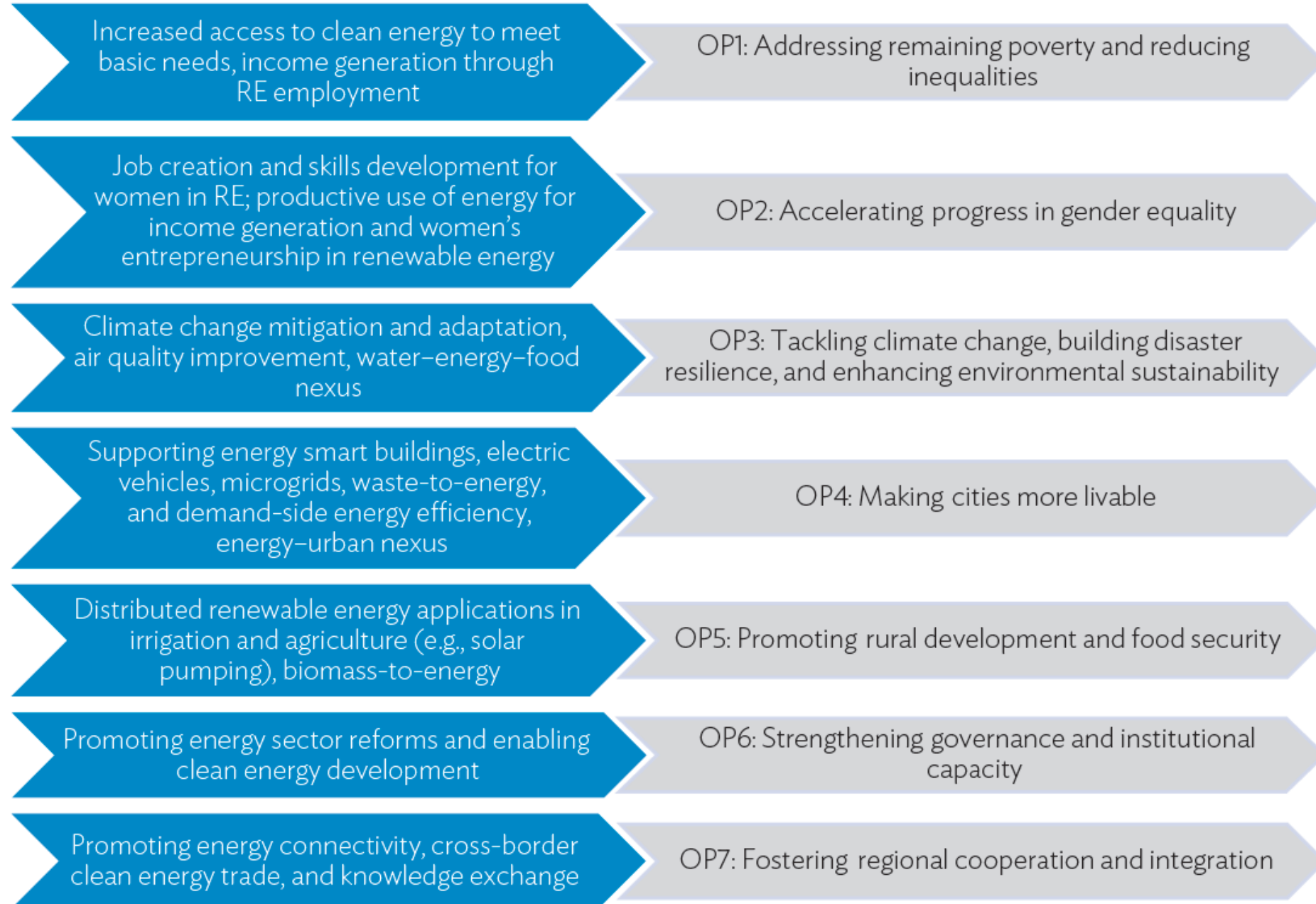
=> In 2019, about **50%** of global carbon dioxide (**CO2**) emissions from **fossil fuel** (coal, oil, and natural gas) combustion came from Asia and the Pacific

Sector Governance

=> Most of the region's **electricity market** systems and their supporting **regulations** were developed based on a **traditional, centralized** system not designed to deal with the supply-side variability that comes from intermittent renewable sources



Energy Sector Contributions to Strategy 2030 Operational Priorities





Sector Guiding Principles

Securing Energy for a Prosperous and Inclusive Asia and the Pacific

further enhance energy access including clean cooking, heating, and cooling

Building a Sustainable and Resilient Energy Future

communities with improved climate and disaster resilience energy access including clean cooking, heating, and cooling

Supporting Institutions, Private Sector Participation, and Good Governance


financially sustainable energy services integrated solutions with magnified development impacts

Promoting Regional Cooperation and Integration

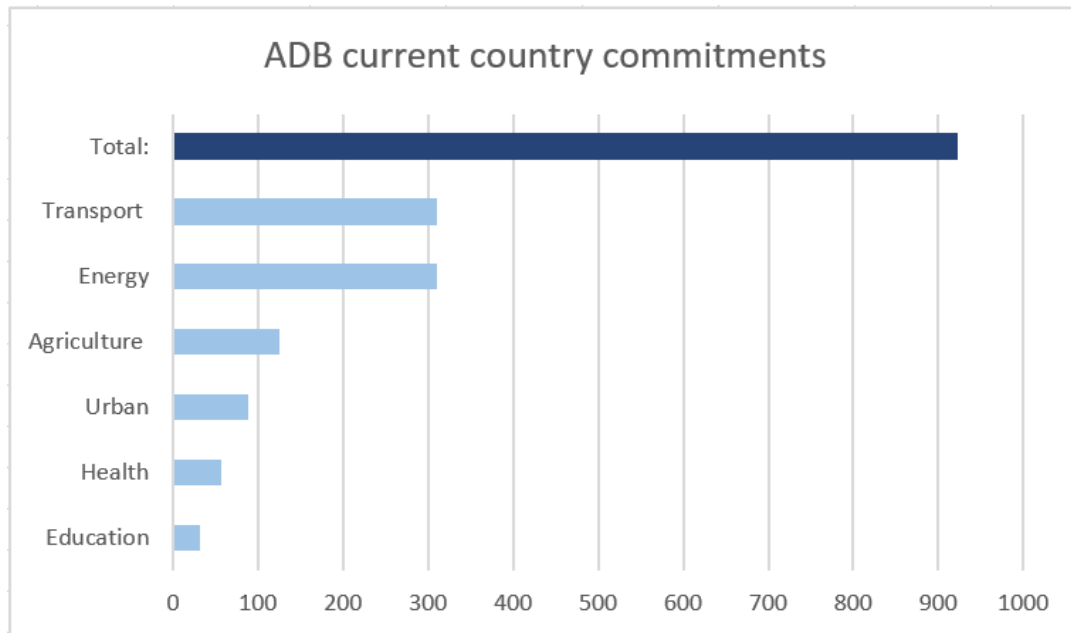
increased energy security and cross-border access to cleaner energy sources

Integrated Cross-Sector Operations to Maximum Development Impact

integrated solutions with magnified development impacts



Tajikistan Project Portfolio

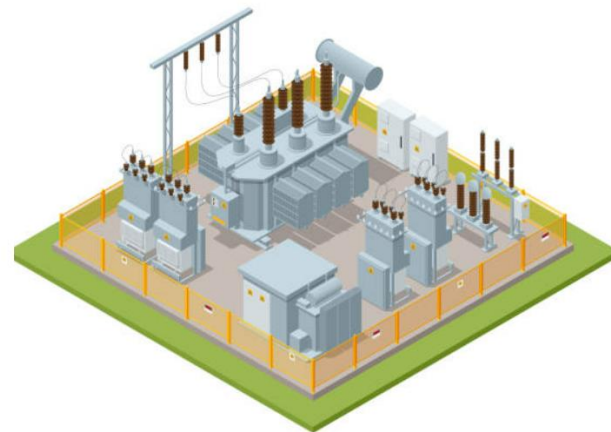


Sector	No. of Active Projects	Amount
Transport	3	310.7
Energy	4	310
Agriculture	3	124.5
Urban	2	89.2
Health	2	57
Education	1	31.5
Total:	15	922.9

Cumulative commitment in sector: **\$595M**



Rehabilitated HPPs



Newly built and upgraded SS



600km of new or upgraded power transmission and distribution lines



ADB Ongoing Energy Sector Projects

Power generation

Ongoing: Rehabilitation of 240-MW Golovnaya HPP, **\$136M**

Pipeline: AF for 240-MW Golovnaya HPP, **\$15M**

Transmission

Ongoing: Wholesale Metering and Transmission Reinforcement, **\$54M**
Reconnection to CAPS (**Regional**), **\$35M**


Pipeline: AF for RCAPS, **\$15M**

Distribution

Ongoing: Power Sector Development, **\$105M**, EBRD's co-financing \$25M



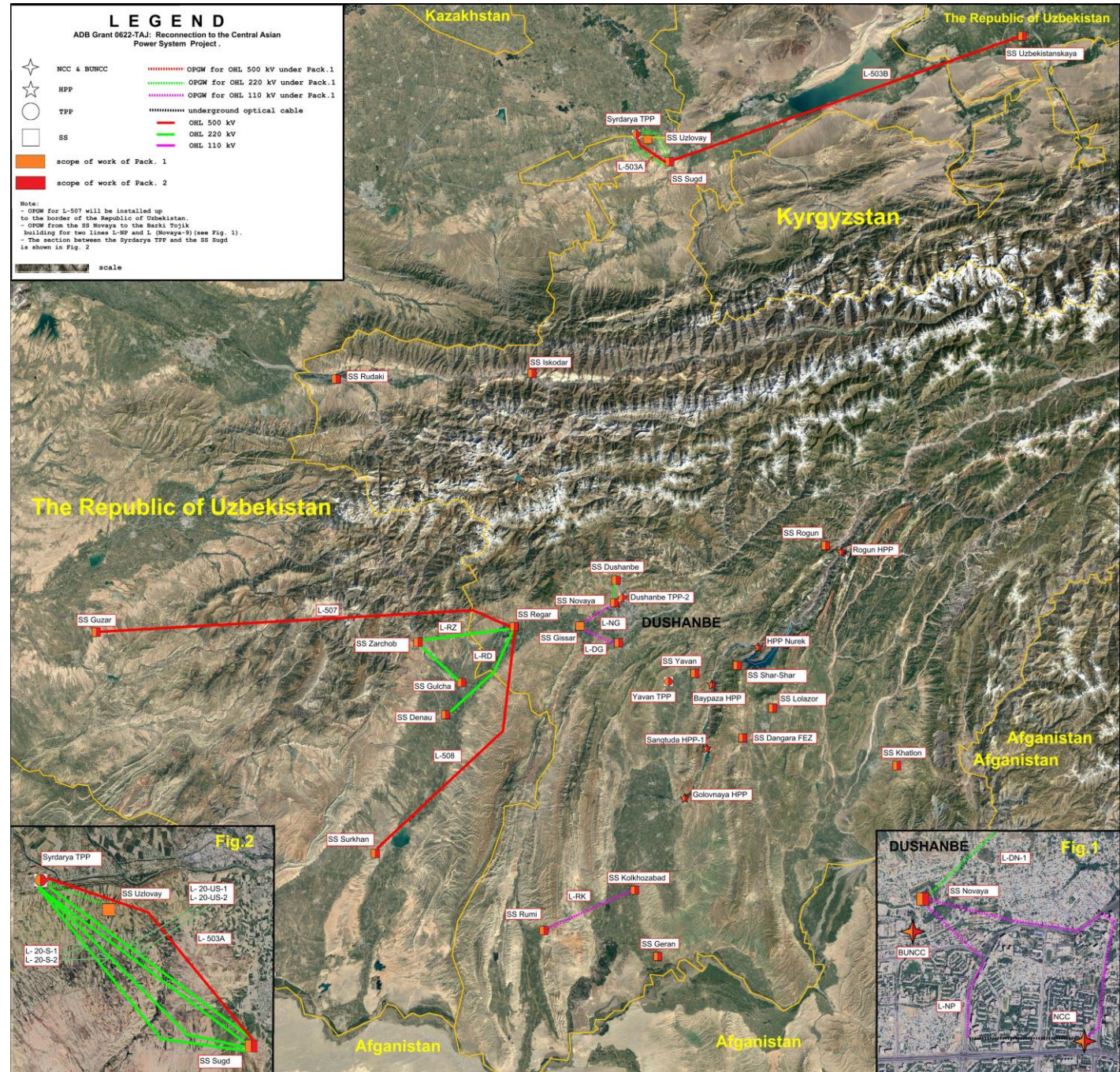
Interconnections:

6x220kV
 4x550kV  6 SS in UZ

Modern RPA and ECS equipment:
 26 SS and power generation fac.

Outcomes:

- => Spillage of surplus water in Tajikistan hydropower plants reduced (5 TWh-equivalent);
- => Increased power trade in CAPS;
- => CO2 emissions in Uzbekistan reduced (1.8 million tons);





Thank you.

