



Delivering Progress

ENERGY

Focus Areas

- Competitive energy markets and energy trading;
- Energy security and strategic planning;
- Energy supply and demand analysis;
- Energy efficiency;
- Engineering;
- Cybersecurity;
- Regulatory impact assessments (RIAs);
- Investment advisory services for renewables; and
- Institutional development and capacity building.

About PMCG

PMCG - Policy and Management Consulting Group delivers progress for a better future. We have brought tangible impact across various areas, such as public finance management, governance, the rule of law, democracy, education, youth, gender, environment, water and wastewater management, waste management, energy, transport, and tourism. Our work is visible in more than 40 countries, primarily in the South Caucasus, Central Asia, Eastern Europe, the Middle East, and North Africa.

PROJECT HIGHLIGHTS

Advancing Wind, Solar, and Green Hydrogen Technologies

We are promoting renewables such as wind, solar, and green hydrogen in Georgia by enhancing the legislative framework, and fostering private sector involvement. Here, we analyze policy and regulatory gaps in integrating renewable energy sources to the system, establishing electricity storage facilities, and assess market potential. Furthermore, we conduct feasibility studies for battery energy storage systems (BESSs), prepare procurement documents, support bid evaluations, and boost the capacity of government agencies.

ADB; Mercados Aries International, GSE

Assessing Moldova's Potential for Waste-to-Energy Production

In Moldova, we focused on enhancing energy security and fostering sustainable waste management practices nationwide. In particular, we performed a waste characterization study, identifying waste types and calculating amounts of each type thereof in order to determine the country's waste-to-energy potential. The project entitles conducting alternative analysis of the waste-to-energy technologies with most efficient alternative identified accordingly.

USAID Moldova Energy Security Activity; Tetra Tech

Analyzing the Potential of Solar Energy Production at Enguri Reservoir

To enhance clean energy production in Georgia, we assessed the viability of developing a 50 MW floating photovoltaic (PV) project on the surface of Enguri Reservoir. In doing so, we conducted a scoping study and prepared the preliminary design. The project also involved a hydrology review of Enguri Reservoir, assessment of the solar PV regulatory framework in Georgia, identifying the project's technical, environmental, and social risks, grid infrastructure analysis, and a scoping study on the project's viability, features, and location.

EBRD, RINA



Regulatory Impact Assessments (RIAs) in the Energy Sector

PMCG supported Georgia in its efforts to attract further investment into power generation to enhance the national capacity and strengthen energy security, as well as boosting economic growth. In particular, we conducted two regulatory impact assessments (RIAs). The first focused on devising realistic and creative approaches to make selections that are economically competitive and technically controllable. The second RIA concentrated on setting community engagement standards for new development projects.

USAID Georgia Energy Security Program; Deloitte

Strengthening the Georgian State Electrosystem

To enhance the security of the energy supply in Georgia, we helped to increase the transmission reliability and capacity of the Georgian State Electrosystem (GSE). Our focus here was on upgrading and implementing the GSE's institutional, environmental, and social management systems, along with developing a strategy for institutional stakeholder engagement. Furthermore, we undertook institutional development and capacity-building activities to enable the GSE to better fulfil its role as transmission system operator.

KfW; Fichtner; GSE

Researching Various Aspects of the Electricity Market

PMCG conducted comprehensive research on numerous elements of operations in the Georgian electricity market. Our primary aim of doing so was to identify price signals and establish greater clarity with regard to the fluctuating circumstances on the power market. The study was also oriented towards the development of an electricity price index to help broaden and enrich the understanding of market dynamics, thereby contributing to a more informed and transparent electricity market landscape.

Konrad Adenauer Foundation

Developing an Organizational Strategy for the Electricity Systems Commercial Operator

PMCG increased the institutional capacity of the Electricity Systems Commercial Operator (ESCO) of Georgia. Specifically, we developed a human and institutional performance assessment report and a performance solutions package. Our activities also included elaborating a document on human resource management and internal communication, assessing the ESCO's information technology system, and issuing recommendations. In addition, we developed key performance indicators (KPIs) for different departments.

USAID HICD 2020 Activity; ME&A; Chemonics International; ESCO