

Juan Carlos Estanga

Summary of Experience

Juan Carlos Estanga, EE, has consulted in Latin America in the electricity and water sectors for companies, governments and international organizations. He has testified as an expert in technical aspects of the electricity industry. He specializes in regulatory matters, tariff design, technical diagnostic and analysis of electric companies, reengineering of electric distribution companies, network and operations engineering, metering, technical and commercial quality of service, management optimization, technology, optimization of operations, cost control and optimization, procurement, analysis and implementation of investment programs. Eng. Estanga has provided consulting and expert testimony for cases involving utilities in several countries, including Argentina, Guatemala, and Brazil. He has significant experience working for both private and public electric utilities. He was an advisor to the director of the Argentine state-owned utility Agua y Energia Electrica from 1987-1989, and was General Manager of Servicios Eléctricos de Gran Buenos Aires (SEGBA), an electric utility servicing the Buenos Aires metropolitan area, from 1985 to 1987. Before that he worked with the electric utility Compañía Italo Argentina de Electricidad in various positions, including Director and Assistant Manager of Distribution. Eng. Estanga has taught classes in the fields of Electrical Engineering and Electrotechnics at the University of Buenos Aires and the Argentine Electrotechnic Association. He earned degrees in Electrical Engineering and Economics from the University of Buenos Aires, Argentina.

Professional Experience

Independent Consultant

- 2010-2012: Research in the field of incorporating renewable energy sources.
- 2011-2012: Provided assistance to TECO on the technical aspects of its ICSID arbitration against the government of Guatemala.
- 2009-2011: Provided assistance to Iberdrola on the technical aspects of its ICSID arbitration against the Government of Guatemala. Testified before the tribunal on July 28, 2011.
- 2008-2009: Director of the tariff revision project of Edenor, the principal electricity distributor in Argentina, on behalf of the energy regulator ENRE.

- 2007-2008: Led the technical team for the EEGSA tariff review (EEGSA is the principal energy distributor of Guatemala) and coordinated the work performed by the consultants in their development of a tariff proposal presented to the regulator.
- 2007: Developed innovations in electricity distribution facilities for EEGSA.
- 2005-2007: Project Director and presented a Feasibility Presentation for Plan III of Electrification of the Province of Misiones (Argentina), working under PROSAP (Agricultural Development Program under the Ministry of Agriculture) with Inter-American Development Bank financing. Completed projects to connect 4,969 users in their entirety.
- 2005-2006: Performed economic and financing studies for the La Elena hydroelectric project on the Carrenlefú river in the province of Chubut, Argentina under the UNIREN (Ministry of Planning) with World Bank financing.
- 2005-2006: Performed study on the operation and maintenance costs for the tariff review of EDELAP (principal electricity distributor of the province of Buenos Aires, Argentina), integrating a team from the engineering consulting firm ATEC and the energy regulator ENRE.
- 2003-2004: World Bank advisor on the evaluation of Project II of the rural electrification of the province of Misiones, Argentina (project completed in its entirety).
- 2002-2003: Deputy Director of the EEGSA tariff review process. Contracted by the consulting firm NERA, which was selected by Guatemala for the Tariff Committee.
- 2002-2003: World Bank advisor on the evaluation of the electrification project of the province of Neuquén, Argentina (project completed in its entirety).
- 2001-2002: Director of the tariff review project of Edenor on behalf of ENRE. Project awarded through the consulting firms London Economics and Atec.
- 2001: Participated in projects of VAD calculation and tariff review for the firms Electrocentro, Electronoroeste, Hidrandina, and Electronorte in Peru.
- 2000: Honorary advisor to the Undersecretary of Energy of the Government of Argentina/
- 1999-2000: Inter-American Development Bank advisor on Project I of the rural electrification of the province of Misiones, Argentina (project completed in its entirety).
- 1999: Provided assessment for New Jersey energy company GPU on the execution of the technical aspects of due diligence for the purchase of the Argentine energy companies Empresa Energía de San Juan and Catamarca. Assessment for the Government of the City of Buenos Aires on the Crisis of Electricity Provision provoked by Edesur.
Advisor for electricity to the Secretary of Energy of Argentina.

- 1997: Provided assessment to the City of Buenos Aires regarding the crisis provoked by the transmission cable fire of Edesur.
- 1995-1997: Technical, commercial, and financial assessment of ASTRA CAPSA for the evaluation of the privatization by tender deal of the distribution companies of the provinces of San Juan, Entre Ríos, Río Negro, and Jujuy.
- 1996-1998: Advisor to Edeersa (principal electricity distributor of the province of Buenos Aires, Argentina) on the following subjects: rationalization of tariffs, expansion of collections, agricultural irrigation, management of meters, tariff contracts, and commercial management.
- 1997-1998: Technical, commercial, and financial assessment for Pluspetrol on the evaluation of the tender deal and other stock sales of the distribution company of the Province of Mendoza, Argentina, and of the Brazilian states of Matto Grosso do Sul, Canta Catarina, as well as the Brazilian company Companhia Paulista de Energia Eléctrica.
- 1996-1997: Technical advisor to EASA and EDENOR1, in the tender of the distribution companies of the Province of Buenos Aires, Argentina.
Developed the Model of Standard Costs for the Association of Electricity Providers of the Province of Buenos Aires (APEBA) and served as advisor on the Electrical Rearrangement of the Province of Buenos Aires.
- 1993-1997: Advisor to the Cooperative of Olavarría (Argentina) on costs, tariffs, and renovation of the concession.
Advisor to the Electricity Cooperative of Pergamino (Argentina) on costs and restructuring.
- 1995-1996: Advisor to the Tandil Electrical Plant (Argentina)
- 1993-1994: Advisor to the Lujanense Service Cooperative (Argentina)
- 1992-1996: Advisor for the draft framework agreement for stable energy supply signed by the electrical cooperatives of the Province of Buenos Aires and Eseba.
- 1992-1993: Assessment in collaboration with Engineer Horacio V. Quaini for The Exxel Group for the evaluation of the privatization by tender deal of the distributor of the province of San Luis (Argentina).
- 1991-1992: Together with Engineers Horacio V. Quaini and Jorge Karasony, performed for Grupo Techint an evaluation of SEGBA (generation of distribution company of the city of Buenos Aires) and analyzed the deal for privatization by tender of its distinct subdivisions.
The preceding list omits various minor assignments.
- 1989-1990: The following jobs were performed independently:
 - Special Sales Representative of the Generation Division of Westinghouse Inc.
 - Representative of Endesa of Spain for studies related to generation.

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Agua y Energía Eléctrica (Argentine State Generation, Transmission, and Distribution Company)

- 1987-1989: Advisor to the Board of Directors on distribution, tariffs, and economics.

Servicios Eléctricos de Gran Buenos Aires (SEGBA)

- 1985-1987: Served as General Manager, the highest executive authority reporting directly to the Board of Directors.
- 1984-1985: Manager of Studies and Technical and Commercial Services for Distribution and Sales

Compañía Ítalo Argentina de Electricidad (CIAE)

- 1970-1982: Assistant Manager of Distribution in charge of distribution engineering, metering, electrical laboratory and quality control.
- 1975-1976: Director, while maintaining position of Assistant Manager.

Education

- Electrical Engineering, University of Buenos Aires
- Bachelor of Economics, University of Buenos Aires