

Financial Modelling for Utility Tariff Setting - 2021

Faculty Biographies

Dr. Martin Rodriguez Pardina



Martin Rodriguez Pardina is currently Chief Economist of Ad Hoc Consulting and served in the same capacity at Macro Consulting S.A until recently.

Ad Hoc Consulting is a consulting firm specialized in economic regulation of utilities. He has experience working as a consultant in regulation and restructuring of public utilities in Latin America, Middle East, Africa, Russia and India. He has a PhD in Economics from the University of Cambridge and a degree in economics from the University of Cordoba in Argentina. He has published several articles on utility regulation in international journals and is the co-author of two books published by the World Bank one on resetting price caps and other on regulatory accounting. Until 2001 he held an academic position as Executive Director of the Economic Regulation Research Center at the Universidad Argentina de la Empresa.

Martin is also the anchor lecturer for the UCT GSB “Managing power sector reform and regulation” annual short course.

Haydn Palliser



Haydn Palliser is a Lecturer at Yale and Columbia Universities, and a Principal at Pivotal180 - a firm focused on training and advisory in the energy, infrastructure, and project finance sectors. With 18 years in the industry, Haydn has a global outlook having worked across Africa, Asia, the Middle East, Europe, the Americas, and Asia Pacific. He has advised and coached regulators and utilities on pricing, regulatory structures, conflict resolution, and valuing expansions. Haydn's particular expertise lies in simplifying complex topics with best practice financial modelling.

Haydn teaches project finance and financial modelling to a wide range of professionals in organizations from bulge bracket investment banks to small developers, regulators and Governments. He was previously the Managing Director for Corality and the co-head of infrastructure and energy for Mazars in the Americas.

Dr. Bongani Khonjelwayo



Bongani Khonjelwayo is a senior financial and economic analyst at the National Energy Regulator of South Africa, responsible for electricity pricing and tariffs. Bongani works across a wide range of topics, including the development of regulatory tools, assisting in planning, coordinating and implementing regulatory reforms, and the development of tariff structures. He previously worked with ESKOM as senior market intelligence analyst.

Bongani holds an PhD degree in business management from UKZN, a Master of Commerce degree in business management (UJ) and a BA in public administration (UJ).

Thembanani Bukula



Thembanani Bukula is an engineer with over 25 years' experience and is currently the CEO of PowerX, a licenced electricity trader in South Africa. He was previously the Regulator Member primarily responsible for electricity regulation at the National Energy Regulator of South Africa (NERSA) from 2005 to 2016. Prior to NERSA, Thembanani served as Managing Director at various entities including Testing & Conformity Services at the South African Bureau of Standards (SABS), Bytes Managed Services and IJANGA Consulting Services.

Thembanani is a registered professional engineer.

Tanaka Shumba



Tanaka Shumba is an Urban Energy Advisor at Sustainable Energy Africa (SEA). She has worked on a broad spectrum of energy and climate change projects relating to local government; notably developing Greenhouse Gas (GHG) inventories, energy modelling, municipal revenue modelling and undertaking an in-depth analysis of the impact of climate change on South Africa's largest cities.

Tanaka works closely with South African municipalities and is currently involved with delivering comprehensive Small Scale Embedded Generation (SSEG) Training to municipal officials, focusing on helping them develop SSEG tariffs for their municipality. She has also assisted in the development of a Simplified Cost of Supply Tool that could be used for electricity cost clarification and tariff justifications

Josh Dippenaar



Josh Dippenaar is an Energy Advisor at Sustainable Energy Africa, a not-for-profit company supporting municipalities with sustainable energy transitions. As part of the SALGA-GIZ-DMRE Municipal SSEG Support Program, he has supported over 40 South African municipalities develop feed-in-tariffs for solar PV customers.

He has recently been working with South Africa's energy regulator, NERSA, to develop a simplified electricity cost allocation methodology for municipal distributors. Josh's background is in mechanical engineering and he is currently researching towards a PhD in power systems engineering.

Johan Strydom



Johan Strydom is a Technical Energy Analyst with GreenCape, primarily working on pricing for solar PV and energy storage, standards and certification for small scale embedded generators, and demand side management at municipal level.

Johan holds a masters degree in smart grid engineering and a Bachelors degree in electric and electronic engineering from Stellenbosch University.

Peter Twesigye



Peter Twesigye is the course convenor for the "Financial Modelling for Utility Tariff Setting" short course. He is also a PhD candidate and research lead on Power Market Reform and Regulation at the Power Futures Lab, based at the University of Cape Town's Graduate School of Business.

Peter's research and teaching focuses on Power Markets, Regulation, Governance, Incentives and Utility Performance. Peter has expertise and interest in Utility Reform and Regulation, Energy Policy, Energy Concession Design and Analysis, Tariff Setting & Policy Reviews, Performance Contract Formulation and Design, Investment Planning and Appraisal, Strategic Planning and Managing Utility Performance Improvements. He is a member of the National Association of Regulatory Utility Commissioners (NARUC – USA).

He is also a visiting lecturer and member of the Academy of Regulatory Professionals Advisory Board – (University of Florida's PURC-USA). Until recently, Peter was the Manager Regulatory Affairs at Umeme Ltd (a private electricity distribution concession). He has also worked as a Consultant in promoting Performance Improvement Plans (PIPs) and turnaround initiatives in several Utilities in West, East and Southern Africa.

Prof. Anton Eberhard



Anton Eberhard is Emeritus Professor and Senior Scholar at the University of Cape Town, where he leads the Power Futures Lab at the Graduate School of Business. His research and teaching focuses on governance and regulatory incentives to improve utility performance, the political economy of power sector reform, power sector investment challenges and linkages to sustainable development. He has worked in the energy sector across sub-Saharan Africa and other developing regions for more than 35 years.

Prof. Eberhard served as chair of the Presidential Task Team on Eskom, and previously chaired the Deputy-President's Advisory Panel on the South African electricity crisis, served on the Ministerial Advisory Council on Energy, the National Planning Commission, the National Advisory Council on Innovation and the Board of the National Electricity Regulator of South Africa. He is also a member of the Global Commission to End Energy Poverty.