

Electricity Transmission Tariff Design and Pricing Training Course

25 – 29 July 2027
Johannesburg

AGILE LEADERS
Training Center

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Ref: 2189_260172 **Date:** 25 – 29 July 2027 **Location:** Johannesburg **Fees:** 6000 Euro

Overview

Electricity Transmission Tariff Design and Pricing Training Course is a one-week advanced course for transmission-system, regulatory, market, tariff, and commercial teams, who leave with a Transmission Tariff Decision Model. The course connects allowed-revenue analysis, cost allocation, use-of-system charges, congestion and loss pricing, ancillary-service recovery, cross-border allocation, incentive design, scenario modeling, and stakeholder evidence. Agile Leaders Training Center presents electricity transmission tariff design and pricing practice.

Who Should Attend

- People responsible for transmission revenue requirements and tariff design
- Teams responsible for electricity-market regulation and charging methodologies
- People responsible for power-system planning and network cost evidence
- Functions responsible for utility finance, commercial analysis, and revenue recovery
- People responsible for energy policy, consultation, and tariff governance

The course assumes participants can analyze utility cost, network, and market information at work; it leaves out introductory power-system engineering, retail billing administration, and detailed legal drafting.

Departments and Industries

The course supports tariff and network-pricing decisions across regulated infrastructure and electricity markets.

- Transmission system operations and market functions
- Electricity regulation and economic-policy departments
- Utility finance and commercial planning teams
- Power-system planning and asset-strategy functions
- Energy advisory and infrastructure-investment teams
- Large industrial network-user and procurement functions

Learning Objectives

By the end of this course, participants will be able to:

- Analyze an allowed-revenue requirement and its cost drivers.
- Compare transmission charging and cost-allocation methods.
- Build charges for losses, congestion, and ancillary services.
- Evaluate incentive and cross-border allocation choices.
- Use scenario models to test tariff impacts.
- Build an evidence-based tariff recommendation.

Course Agenda

Day 1: Frame the Revenue Requirement

- Transmission Pricing Decision Architecture
- Cost-of-Service Revenue Requirement Model
- Regulated Asset and Return Input Map
- Operating Cost and Depreciation Driver Register
- Allowed-Revenue Reconciliation Worksheet

Day 2: Allocate Network Costs

- Beneficiary-Pays Cost Allocation Framework
- Postage-Stamp and Zonal Charging Comparison
- Capacity, Energy, and Demand Charge Matrix
- Connection and Use-of-System Boundary Map
- Customer-Class Cost Causation Test

Day 3: Price System Services and Constraints

- Transmission Loss Allocation Method
- Congestion Cost Recovery Decision Tree
- Ancillary-Service Charge Construction Sheet
- Balancing and Redispatch Cost Treatment Matrix
- Cross-Border Compensation Allocation Model

Day 4: Test and Govern the Tariff

- Incentive Regulation Design Canvas
- Tariff Scenario and Sensitivity Model
- Distributional Impact Assessment Matrix
- Stakeholder Consultation Evidence Log
- Tariff Governance and Review Checklist

Day 5: Practice Tariff Decisions

- Exercise: Reconcile an Allowed-Revenue Case
- Exercise: Compare Cost-Allocation Outcomes
- Exercise: Build System-Service Charges
- Exercise: Test Tariff Scenarios and Impacts
- Capstone Exercise: Complete the Transmission Tariff Decision Model

Practical Exercises

The course uses suggested activities based on transmission networks, electricity markets, and regulated infrastructure.

- Suggested activity: reconcile asset, return, operating-cost, depreciation, and other-revenue inputs.
- Suggested activity: compare zonal, capacity, energy, and beneficiary-linked allocation outcomes.
- Suggested activity: construct charges for losses, congestion, ancillary services, and cross-border flows.
- Suggested activity: present a tariff recommendation supported by scenarios, impacts, and consultation evidence.

FAQs

Who suits electricity transmission tariff design and pricing training?

Electricity transmission tariff design and pricing training suits people who analyze network costs, regulate charges, model revenue, plan systems, or prepare tariff decisions and who can already interpret utility financial and market information.

How does transmission tariff design differ from general energy economics training?

Transmission tariff design converts regulated network costs and service requirements into allocation methods and charges, while general energy economics examines wider market behavior, investment, supply, demand, and policy questions.

How is allowed revenue used in transmission tariff design?

Allowed revenue establishes the recoverable transmission cost base, which is then allocated among services and users through defined charging drivers, adjustments, and reconciliation mechanisms.

What should a transmission tariff scenario model test?

A transmission tariff scenario model should test cost drivers, demand assumptions, allocation methods, charge structures, incentive choices, user impacts, revenue sufficiency, and sensitivity to material changes.

How are congestion, losses, and ancillary services treated in transmission pricing?

Congestion, losses, and ancillary services are treated through transparent cost definitions, measurable allocation drivers, market or regulated recovery mechanisms, and controls that avoid double recovery.

Conclusion

Participants take back a Transmission Tariff Decision Model connecting allowed revenue, cost allocation, system-service charges, incentives, scenarios, impacts, and consultation evidence. The model makes pricing assumptions and allocation consequences traceable. It supports defensible tariff recommendations and structured review when network or market conditions change.