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NAIROBI CITY TWIN / POWER

Power

Domain Guide

Review the documented grid, meter and billing surface, with clear limits around household and business linkages.

City	Nairobi
Coverage	Published documentation
List price	Access and scope to be agreed
Guide edition	Striped Donkey V5.89 - 7 September 2026

Use this guide

Read the documented coverage and limitations alongside the published sample and release evidence. Model counts and sample distributions describe their stated source and period. The final accepted order specifies licensed scope, usage rights, duration and delivery.

Useful questions

- Review grid and metering entities
- Check the available service and billing scope
- Inspect continuity and linkage boundaries

Scope and limitations

No modeled mechanism connects power access or continuity to health outcomes in the current release.

Commercial and industrial tariff categories may exist without a direct relationship to a specific business identity. The marketplace does not infer one.

Household-linked meter coverage and substation peak-load are both published as disclosed realism watch-items rather than hidden - see Certification for the exact figures.

Nairobi's household-linked meter coverage runs meaningfully higher than Lagos's in this release; users should not assume symmetric coverage across cities.

Inside this guide

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01 How Power fits the City Twin.

FCTE represents Power through a grid-to-meter billing layer : substation and transmission-line context, household and business meter records, and recurring billing, outage and demand-reading history. The public site shows the analytical chain without publishing physical table layouts, field mappings, generation targets or orchestration.

Household metering context is represented directly, alongside a real KPLC customer-class taxonomy (domestic, commercial, industrial, prepaid, solar net-metering). Business and public-finance relationships are only presented where the release supports them; contextual overlap is not described as a causal mechanism.

Every public claim is backed by release evidence, regulatory context or certification. internal construction methods remain controlled.

Nairobi City Twin™

02 Known and possible relationships.

Connections follow the published domain scope. Optional, contextual and planned relationships retain their stated limits below.

Domain or context	Relationship and published scope
Grid context	substation
Substation	metered connection
Metered connection	billing context
Business identity linkage	not uniformly asserted
Health relationship	contextual unless explicitly modeled

Supporting links

Energy

Housing

Infrastructure

Health

Business

03 Grid → substation → meter → household billing.

The public Power domain presents a common semantic service chain rather than the underlying internal data design. Nairobi's grid is represented through Kenya Power's (KPLC) real customer-class taxonomy - domestic, commercial, industrial, prepaid and solar net-metering - carried on every meter record.

Substation and transmission-line context anchor the city electricity-distribution model.

KPLC's real domestic/commercial/industrial/prepaid/solar-net-metering tariff categories are carried on every meter, regulator-aligned rather than invented.

Household- and business-linked meter and billing context can be studied longitudinally.

Recurring billing context supports affordability and consumption analysis over time.

Outage and demand-reading context separates connection from continuity and quality of service.

Household and business context can be compared where the release supports a valid relationship.

Synthetic by design: this is a calibrated analytical representation of grid metering and billing, not real customer records.

□□ Public semantic relationship · □□ Disclosed boundary.

04 Follow grid power into one household.

The public traversal shows the service lifecycle semantically. Exact connection probabilities, target volumes, starting configurations and orchestration are withheld.

The Nairobi release represents Power as a connected longitudinal service context. Internal generation order and scale parameters remain controlled.

05 Grid coverage and continuity - without publishing generation model targets.

The public site exposes zone-level power service context, while exact row targets, connection probabilities, temporal thinning strategies and generation sequencing remain private.

Structural and realism certification are both complete for the current release; outcomes are reported at check level on the Certification page.

Actual PASS/WARN outcomes are only claimed when captured by the catalog. Defined rules and deployed behavior are not treated as the same thing.

06 Representative service entities.

The public Power domain shows the queryable service model while keeping generation workflows, target volumes, starting configurations, internal relationships and reconciliation methods private.

Public entity family	Represents	Disclosure boundary
Grid infrastructure	Substation and transmission-line context	Internal asset-design assumptions are controlled
Metering & tariff	Household- and business-linked meter and tariff-category context	Exact target volumes, fields and formulas are controlled
Billing	Recurring billing context through time	internal relationships and reconciliation logic are not published
Reliability & telemetry	Outage and demand-reading context	Operational simulation mechanics are controlled

07 Inspect the published utility surface.

This view reflects a completed generation run on the current release. Exact row-level output is not displayed here to protect internal data structure detail.

08 Certification maturity is public; internal construction methods remain controlled.

Nairobi's full realism battery is 6 of 7 checks PASS with 1 disclosed WARN. Certification categories and release maturity are visible here; exact thresholds, source queries, generation model logic and orchestration remain controlled. See the Power Certification page → for the complete check-by-check breakdown.

Supporting links

Power Certification page →

09 What Power does not claim.

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Household-linked meter coverage and substation peak-load are both published as disclosed realism watch-items rather than hidden - see Certification for the exact figures.

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Back to Domain Directory →

Supporting links

Back to Domain Directory →

10 Ready to work with Power?

Nairobi's Power grid is fully generated - substations and transmission lines feeding metered household and business connections, with billing, outage and demand-reading history behind every meter.

Household-linked meter coverage and substation peak-load both carry a disclosed WARN in this release - see Certification for the exact figures, city by city.

Power is presented as a semantic city-service relationship; the internal dependency design remains private.

Available as Standalone Domain · Multi-Domain Bundle · Full City Twin™

Supporting links

See Household →

See Business →

Explore the City Twin →

Review licensing & delivery details →

View Pricing & Licensing →

Browse Power Data →