NAIROBI / AUDIT & EVIDENCE REFERENCE

Utility relationship trace

Follow the published household, building and service links.

Source and scope

This document reformats the complete published source. Historical results and current-tense wording belong to that source context. It is not a new rerun or independent certification. People, histories and model counts are synthetic.

Read before use

Trace the supplied relationships

The report documents selected utility connections and shared references across the synthetic city. Read the full trace, values and source pointers in the PDF.

A recorded example has a scope

These are selected synthetic examples from the published report. They do not establish complete lineage or population-wide service coverage.

Request the full supporting notes from Fidelra

Full published source

Nairobi · Audit report

FCTE · Cross-Domain Relationship Audit

Published audit report · Read the scope with the result

Public audit view.

Release-level findings, evidence categories and outcomes are shown here. Internal identifiers, physical mappings, exact thresholds, calibration parameters, repair mechanics and orchestration remain controlled.

Audit summary

The bias is live, and it's the expected size

The latest public revalidation state for the housing-informality utility-connection bias, Nairobi.

Recorded source values
~2.0× formal-vs-informal connection-rate ratio, every domain
5 / 5 utility domains showing the expected gap direction
994,029 Nairobi households evaluated for eligibility
PASS release-level revalidation

Public coverage

What the audit establishes

Connection rate is measured as households carrying a live row in the domain's connection, meter or subscriber table, divided by all households in that housing-formality class with a current tenancy.

Domain	Formal connection rate	Informal connection rate	Ratio	Status
Water	11.77%	5.86%	2.01×	PASS
Power	11.73%	5.91%	1.98×	PASS
Gas	11.70%	5.99%	1.95×	PASS
Wastewater	10.10%	5.00%	2.02×	PASS
Energy	14.35%	7.12%	2.01×	PASS

Every domain lands within a narrow band around 2.0×, which is exactly what the design should produce: the generation method gives informal-housing households @InformalConnectionOddsPct = 50 - half the formal-housing odds - on an otherwise identical random draw. Historical defect counts and the exact draw formula are retained in the controlled engineering audit pack rather than the public website.

Household trace

Follow three real households through the same release run

Pulled live from the same 300,000-row generation release run used for the table above - not a curated or hand-picked outcome.

Source record 1

Field	Value
Citizen	Muthoni Ngugi
Household	#27
Ward	Mowlem
Housing	Informal
Water	-
Power	-
Gas	-
Wastewater	-
Energy	-
Connected	0 / 5

Source record 2

Field	Value
Citizen	Kanini Nkeri
Household	#51
Ward	Lucky Summer
Housing	Informal
Water	-
Power	Connected
Gas	-
Wastewater	Connected
Energy	Connected
Connected	3 / 5

Source record 3

Field	Value
Citizen	Gakii Kirimi
Household	#49129
Ward	Harambee
Housing	Formal
Water	Connected
Power	Connected
Gas	Connected
Wastewater	Connected
Energy	Connected
Connected	5 / 5

Muthoni and Kanini carry the identical informal-housing penalty on the identical draw mechanism - the different outcome is exactly what a probabilistic bias should produce: informal housing halves the odds per domain, it does not remove them. Gakii's household, in formal housing, had no penalty applied on any of the five draws.

Evidence posture

Transparent outcome, controlled internal methods

The public audit keeps the result inspectable: each household's housing-formality classification, its live connection status across all five utility domains, and the release-level aggregate ratio. The exact verification value-based draw formula, the household-ranking fix for a historical ID-gap defect, and the controlled process design are intentionally withheld.

Source: live NairobiCityDB generation release run (300,000 rows per domain) and release-level certification evidence, queried 2026-08-09. Public reporting is intentionally

semantic; Internal mapping and remediation methods are controlled. Not yet independently re-verified against a Lagos-scale release run - see the Lagos edition of this audit for that status.

Keep the supporting record

Ask Fidelra for the report context, applicable release, source references and full supporting notes. Availability and rights for a paid data package are confirmed in the written quote.

Request full notes and supporting artifacts

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stripeddonkey.com

Original HTML source is attached for reference. Public data-quality datasets are also attached where applicable.

Source page: https://stripeddonkey.com/cities/nairobi/audits/utility-relationship-trace

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